

FEDERAL PUBLIC SERVICE COMMISSION

Roll No.

COMPETITIVE EXAMINATION – 2023 FOR RECRUITMENT TO POSTS IN BS-17 UNDER THE FEDERAL GOVERNMENT

ESSAY

TIME	ALLOWED: THREE HOURS	MAXIMUM MARKS: 100
NOTE	of the given topics. Make sure you argumentation, description and narrat and clarity.	EHENSIVE ESSAY (2500-3000 words) on any ONE use different forms of discourses, e.g. exposition, ion. Credit will be given for organization, relevance on the answer. All the blank pages of Answer Book
1.	Instruction in youth is like engraving i	n stone.
2.	The one who uses force is afraid of rea	soning.
3.	Not all recycling projects are cost effect	etive.
4.	The fool speaks, and the wise listens.	
5.	A friend walks in when everyone else v	valks out.
6.	Online learning is not only convenient instruction.	t but often more effective than traditional classroon
7.	To encourage healthy eating, higher ta	exes should be imposed on soft drinks and junk food.
8.	People have become overly dependent	on technology.
9.	Both parents should assume equal resp	oonsibility in raising a child.
10.	Boys will be boys.	****



Roll Number

ENGLISH (PRECIS & COMPOSITION)

TIME ALLOWED: THREE HOURS PART-I (MCQS) MAXIMUM MARKS = 20
PART-I(MCQS): MAXIMUM 30 MINUTES PART-II MAXIMUM MARKS = 80

NOTE: (i) Part-II is to be attempted on the separate Answer Book.

(ii) Attempt ALL questions from PART-II.

- (iii) All the parts (if any) of each Question must be attempted at one place instead of at different places.
- (iv) Write Q. No. in the Answer Book in accordance with Q. No. in the Q.Paper.
- (v) No Page/Space be left blank between the answers. All the blank pages of Answer Book must be crossed.
- (vi) Extra attempt of any question or any part of the question will not be considered.

PART-II

Q. 2. Write a précis of the following passage and suggest a suitable title:

(20)

On the question of freedom in education there are at present three main schools of thought, deriving partly from differences as to ends and partly from differences in psychological theory. There are those who say that children should be completely free, however bad they may be; there are those who say they should be completely subject to authority, however good they may be; and there are those who say they should be free, but in spite of freedom they should be always good. This last party is larger than it has any logical right to be; children, like adults, will not all be virtuous if they are all free. The belief that liberty will ensure moral perfection is a relic of Rousseauism, and would not survive a study of animals and babies. Those who hold this belief think that education should have no positive purpose, but should merely offer an environment suitable for spontaneous development. I cannot agree with this school, which seems to me too individualistic, and unduly indifferent to the importance of knowledge. We live in communities which require co-operation, and it would be utopian to expect all the necessary co-operation to result from spontaneous impulse. The existence of a large population on a limited area is only possible owing to science and technique; education must, therefore, hand on the necessary minimum of these. The educators who allow most freedom are men whose success depends upon a degree of benevolence, self-control, and trained intelligence which can hardly be generated where every impulse is left unchecked; their merits, therefore, are not likely to be perpetuated if their methods are undiluted. Education, viewed from a social standpoint, must be something more positive than a mere opportunity for growth. It must, of course, provide this, but it must also provide a mental and moral equipment which children cannot acquire entirely for themselves.

Q. 3. Read the following passage carefully and answer the questions given at the end. (20)

The majority of people have always lived simply, and most of humanity still struggles on a daily basis to eke out a meager existence under dire circumstances. Only in affluent industrialized countries do people have the luxury of more goods and services than they need to survive. On the basis of material wealth, North Americans and Europeans should be the happiest people on earth, but according to the 2012 Happy Planet Index (HPI), they are not. Surprisingly, what had begun as an experimental lifestyle evolved into a quiet revolution that spread the word through books such as Duane Elgin's best-selling Voluntary Simplicity: Toward a Way of Life that is Outwardly Simple, Inwardly Rich (1981), as well as numerous magazines, alternative communities of the like-minded, and, later, Internet websites. Combined with a growing awareness of the environmental consequences of consumerism, the voluntary simplicity movement sought to reduce the consumption of goods and energy and to minimize one's personal impact on the environment. "Voluntary" denotes a free and conscious choice to make appropriate changes that will enrich life in a deeper, spiritual sense. "Simplicity" refers to the lack of clutter, that is, eliminating all those things, patterns, habits, and ideas that take control of our lives and distract us from our inner selves. However, this is not to be confused with poverty, which is involuntary, degrading, and debilitating. Neither does it mean that people must live on a farm or reject progress or technology, or do without what is necessary for their comfort and welfare. To practice voluntary simplicity, one must differentiate between what one wants (psychological desires) and what one needs (basic requirements of life), and seek a healthy balance that is compatible with both. In a consumer society where advertising bombards us with the message that without this, that, and the other product, we are unsuccessful, undesirable, and unimportant, being clear on what you really need and resisting what you don't can be an ongoing struggle. The beauty of voluntary simplicity is that it is a philosophy, and not a dogma. How one goes about it depends on individual character, cultural background, and climate. For this, three Rs (i.e., Reduce, Recycle & Reuse) represent the best way to get a handle on rampant consumerism. In economies driven by the quest for ever more, living with less is erroneously equated with poverty and social inferiority. By conserving energy, for instance, you are actually ensuring that more resources are available for future use. By making a frugal budget and sticking to it, you can eliminate unnecessary expenses. Recycling paper, metal, plastic, and glass and reusing building materials and old clothing keep materials in the loop and out of landfills. Pooling skills and resources through barter networks not only saves money, but sharing with others establishes bonds and fosters a sense of community. With the glut of cheap goods that are usually designed for obsolescence, quality products that last are becoming progressively harder to find. In the long run, a more expensive but durable and repairable item or even an older used item that is still in good condition is a better investment than a brand new piece of junk that will only break down and end up in the trash. Thus, at the heart of voluntary simplicity is the conscious realization that less is really more. Less consumption means more resources for future generations. Less activity that brings little satisfaction or reward is more time for yourself and your loved ones. Less stuff is more space to move around in. Less stress means more relaxation and better health. Less worry provides more enjoyment and more fulfillment in life.

Page 1 of 2

ENGLISH (PRECIS & COMPOSITION)

Questions: (4 marks each)

1. How important is happiness to most people, and what is the relationship between material wealth and happiness?

- 2. How does the author characterize the concept of 'Voluntary Simplicity' as a movement and as a philosophy?
- 3. What impact is feared by the growing consumerism of modern society?
- 4. What influences make it difficult for people to reduce their consumption patterns?
- 5. What are the challenges and rewards of voluntary simplicity?

Q. 4. Correct only FIVE of the following:

(10)

- (i) His knowledge of languages and international relations aid him in his work.
- (ii) The ambassador, with his family and staff, invite you to a reception at the embassy on Tuesday afternoon.
- (iii) This year, he will sit in the CSS examination.
- (iv) The Chief Executive will let us know whether or not he can attend the meeting.
- (v) When he came back from vacation, Aslam and me plan to look for another apartment.
- (vi) If some of you make a noise, they shall be punished.
- (vii) He came to me to enquire what is the salary attached to the appointment.
- (viii) I am too tired that I do not hunt words and idioms in my English book.

Q. 5. (a) Punctuate the following text, where necessary.

(05)

while taking a nap on the porch one hot summer day hodga dreamed that a stranger promised to give him ten pieces of gold the stranger placed them in hodgas hand one by one until he reached the tenth piece which he hesitated to give him come on what are you waiting for said hodga you promised me ten just then he woke up he immediately looked at his hand and saw that it was empty he quickly shut his eyes again stretched out his hand and said all right i ll settle for nine.

(b)	Re-write the	following	sentences	(ONLY	FIVE)	after	filling	in	the	blanks	with	appropriate
	Prepositions.											(05)

(i)	The neighbours	came	_ my house to	see what's going	on in the house.
(**)	C1 4	41 1 1	C 41 4		

(ii) She sat the shade of the tree.

(iii) The moon does not shine its own light.

- (iv) The burglar jumped the compound wall.
- (v) She entered an agreement with them.
- (vi) I have been working hard arithmetic.
- (vii) He got his bicycle.
- (viii) It cannot be done offence.

Q. 6. Use only FIVE pairs of words in sentences clearly illustrating their meanings.

(10)

(i) Antic, Antique

(ii) Draught, Drought

(iii) Quaint, Queer

- (iv) Momentary, Momentous
- (v) Compliment, Complement
- (vi) Eminent, Imminent

(vii) Faint, Feint

(viii) Immigrant, Emigrant

Q. 7. Translate the following into English by keeping in view figurative/idiomatic expressions. (10) بزرگ نے بتایا کہ جنگل کے پار ایک پہاڑ ہے جہاں وہ پھول اُگتا ہے جس کی خوشبو سے آنکھوں کی کھوئی ہوئی روشنی لوٹ آتی ہے ،مگر پہاڑ بہت بلند ہے اور اس پر بے شمار چٹانیں ہیں ،کانٹے دار جھاڑیاں ہیں اور بڑے بڑے پتھر ہیں جو راستہ روک لیتے ہیں ۔ اِس پہاڑ پر جانے کے لیے کئی لوگ آئے اور چلےگئے مگر ایسا کو ئی شخص نہیں آیا جو پھول تک پہنچا ہو۔ شاید اِسی لیے دُنیا میں دُکھ اور تکلیف ہے اور انسان روشنی کی تلاش میں ہے۔



FEDERAL PUBLIC SERVICE COMMISSION

COMPETITIVE EXAMINATION-2023 FOR ECRUITMENT TO POSTS IN BS-17 UNDER THE FEDERAL GOVERNMENT Roll Number

GENERAL KNOWLEDGE-I (GENERAL SCIENCE & ABILITY)

		D: THREE HOU MAXIMUM 30		PART-I (MCQS) PART-II	MAXIMUM MARKS MAXIMUM MARKS	
NOTE: (i) (ii)	Attemp	is to be attempted or ot ONLY FOUR questions carry EQUA	uestions from P		TWO questions from EACH S	SECTION
(iii)					ce instead of at different places.	100.com
(iv)		_		lance with Q. No. in the	` 1	
(v)	No Pag	e/Space be left blan	k between the ar	nswers. All the blank page	ges of Answer Book must be cr	ossed.
(vi)	Extra a	ttempt of any questi	on or any part of	f the question will not be	e considered.	
(vii)	Use of	Calculator is not a	llowed.	m www.examoo.com		
www.exam	oo.com	www.examoo.com	www.examoo.cc	om www.examoo.com	www.examoo.com www.exar	noo.com
			www.examoop	PART – II		
			_	CTION – A)		
- \ /				ials. Why the nano-ce te applications of ceran	ramics show better propertion in materials.	es (5)
			=			

	$\underline{(SECTION - A)}$	
Q. 2. (a)	Define ceramic and nano-ceramic materials. Why the nano-ceramics show better properties than their ceramic counterparts? Write the applications of ceramic materials.	(5)
(b)	What is 'Black Hole'? How black holes are formed and discovered?	(5)
(c)	Write two applications of each of the following electromagnetic radiations:	(5)
	(i) Ultraviolet (ii) Infra-red (iii) Microwaves	
	(iv) Radio waves (v) X-rays.	
(d)	What is Wildfire? Explain its types, causes, spread and preventions.	(5)(20)
Q. 3. (a)	(i) Why the bat and whale are considered as mammals?	(5)
	(ii) Write a note on liver juice 'Bile'.	
(b)	How the urine is formed? Describe the role of kidney in excretion.	(5)
(c)	(i) How a bacterial cell is different from a plant cell?	(5)
	(ii) What do you think cold-blooded animals are slowed down by low temperatures?	
(d)	What is hepatitis, its types, causes, prevention, and cure?	(5)(20)
Q. 4. (a)	What is the difference between fog and smog? What are the causes of smog and its effects on human health? Write short note on any one of the latest technologies to eliminate smog to avoid atmospheric pollution.	(5)
(b)	What is the role of oxygen-demanding wastes in water pollution? How it can be prevented?	(5)
(c)	What is the biosphere? Write a note on the 'Energy Resources' available in the biosphere.	(5)
(d)	What are the different layers of the atmosphere? On what basis these layers are classified? In which layer 'Auroras' are formed and where do satellites orbit?	(5)(20)
Q. 5. (a)	What are antioxidants and why are they used in foods? Write a short note on natural and synthetic antioxidants.	(5)
(b)	How the carbohydrates, proteins, and fats are digested in humans?	(5)
(c)	How does the Navstar GPS system work for different applications?	(5)
(d)	(i) Differentiate between network and internet.	(5)(20)
	(ii) What is the difference among application, program and software?	
	(CECTION D)	

(SECTION – B)

Q. 6. (a) A telephone company charges initially Rs.0.50 and then Rs. 0.11 for every minute. Write an (5) expression that gives the cost of a call that lasts N minutes.

Page 1 of 2

GENERAL KNOWLEDGE-I (GENERAL SCIENCE & ABILITY)

(b) Find the missing number in the series below

(i) 1, 8, 4, 27, 9, ?

(ii) 3,6,8,16,18,?

(iii) 2, 8, 512, ?

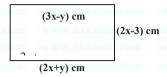
(iv) 81,9,64,8,?,12

(v) 6, 11, 21, 36, 56, ?

(c) The perimeter of the rectangle given below is 114 cm. Find the area of the rectangle.

(5)

(5)



(d) Ahmad stands at point D, 2m in front of a spotlight at point A. He is 1.6m tall and is facing the wall of a building which is 10.5m away from him. How tall (BC) is his shadow on the wall of the building.

Q. 8. (a)



Q. 7 (a) Ali is standing 10 meters away from a tree. The distance of his eyes from his feet is 1.5 meter. Given that the distance from his eyes to the top of the tree is 15 meters, find the height of the tree.

(5)

(b) Find out the correct word from the jumbled spellings given below. LNUGEF, CKANS, CIREFE, EERAANMOGTP, MNIKPPU.

(5)

(c) Draw and write the total number of lines of symmetry in a regular hexagon and octagon. How many lines of symmetry are there in a circle?

(5)(20)

- (d) The height of the Egyptian pyramid is 146.6 meters and a base length is 230.6 meters. Find the volume of that pyramid.
 - Ali buys an oven for Rs. 36800 and sells it at a gain of 8.5%. For how much does he sell it? (5)
- (b) A card is drawn at random from a box containing 12 cards numbered 1,2,3,4,5,...,12. Find (5) the probability of drawing (i) '8', (ii) an even number, (iii) a perfect square, (iv) a negative number and (v) a number less than 13.
- (c) The scintillation nuclear radiation detector detects the alpha rays per second. When the energy of the alpha rays (E_{α}) in MeV increases, the number of counts (N_c) on the detector also increases linearly as shown in the table below.

io.com www	examon com	www.examo	o.com www.	examoo.com	www.examo
E_{α} (MeV)	0.25	0.45	0.65	examol.com	1.4
N _a	17500	23500	29500	40000	52000

Draw the graph of N_c as a function of E_α (MeV) and find the energy of unknown alpha ray if the number of counts are 31600.

(d) The y is directly proportional to x^2 and y = m for a particular value of x. Find an expression (5)(20) for y in terms of m, when this value of x is doubled.

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FEDERAL PUBLIC SERVICE COMMISSION COMPETITIVE EXAMINATION-2023 FOR DECRUITMENT TO POSTS IN RS 17

FOR RECRUITMENT TO POSTS IN BS-17 UNDER THE FEDERAL GOVERNMENT www.cxamoo.c

Roll Number

GENERAL KNOWLEDGE-III (PAKISTAN AFFAIRS)

TIME ALLOWED: THREE HOURS PART-I (MCOS) MAXIMUM MARKS = 20MAXIMUM MARKS = 80 PART-I(MCOS): **MAXIMUM 30 MINUTES PART-II** NOTE: (i) Part-II is to be attempted on the separate Answer Book. Attempt ONLY FOUR questions from PART-II. ALL questions carry EQUAL marks. (iii) All the parts (if any) of each Question must be attempted at one place instead of at different places. (iv) Write O. No. in the Answer Book in accordance with O. No. in the O.Paper. No Page/Space be left blank between the answers. All the blank pages of Answer Book must be crossed. Extra attempt of any question or any part of the question will not be considered. **PART-II** Q. No. 2. Write a detailed and systematic analysis of the charismatic leadership of Quaid-e-Azam Mohammad Ali Jinnah, the leader of Indian Muslims during the crisisridden decade of 1937-47. Having the largest irrigation system in the world, the land of the sub-continent O. No. 3. (20)served as the main food supply basket for the British power for more than a century, but now Pakistan has to import food commodities. Discuss in detail the causes of this agricultural decline. Industrialization is the backbone of the modern economic system and uplifts the Q. No. 4. standard of living of the masses. Elaborate causes for the hindrance of industrial development in Pakistan. O. No. 5. The evolution of democratic system has always remained a dilemma in Pakistan, even after passing more than seven decades of its existence the democracy could not get its roots. Discuss in detail. Joining the US led coalition in the war against terrorism has many short and long O. No. 6. (20)term repercussions for Pakistan. Elaborate. Pakistan is located on the cross-road of South Asia. Explain its geo-O. No. 7. strategic/political importance and challenges. Pakistan is considered to be the fifth-largest youth bulge country in the world. O. No. 8.

Development in Pakistan.

Given this youth bulge, deliberate on ways forward for Sustainable Economic



TIME ALLOWED: THREE HOURS

PART-I(MCQS): MAXIMUM 30 MINUTES

NOTE: (i) Part-II is to be attempted on the separate Answer Book.

FEDERAL PUBLIC SERVICE COMMISSION COMPETITIVE EXAMINATION - 2023 FOR RECRUITMENT TO POSTS IN BS-17 UNDER THE FEDERAL GOVERNMENT

Roll Number

MAXIMUM MARKS = 20

MAXIMUM MARKS = 80

سوال نمبر 8: مندرجہ ذیل پر نوٹ لکھیں:

(20) (10+10)

ISLAMIC STUDIES

PART-I (MCQS)

PART-II

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(i	places. v) Write Q. No. in the Answer Book in accordance with Q. No. in the Q.Paper.	om om
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(v	nm www.erimon.com www.erimon.com www.erimon.com www.erimon.com www.erimon.com	om
	PART-II	
Q. No. 2.	What is the Qur'anic argument on the Life Hereafter? What are its impacts on the individual and collective life of a human being?	(20)
Q. No. 3.	Discuss the Holy Prophet's (*) Role as a Model for Military Strategy.	(20)
Q. No. 4.	Elaborate the rights of daughters granted by Islam and how these are denied by Muslims in the contemporary world?	(20)
Q. No. 5.	Define Ijma'(consensus) and explain its different kinds. Can legislation by a parliament of an Islamic state be regarded as a valid consensus?	(20)
Q. No. 6.	Analyze the Charter of Madina as a social contract.	(20)
Q. No. 7.	What are the motives of extremism in Pakistan? How can the society get rid of extremism by following the teachings of Islam?	(20)
Q. No. 8.	Write notes on the following: (i) Human rights in the light of the Sermon of Farewell Pilgrimage. (ii) Social Justice in an Islamic Society.	(20)
	<u>URDU VERSION</u>	
ی پر کیا اثرات	مبر 2: اخروی زندگی کے بارے میں قرآنی استدلال کیا ہے ؟اس کے انفرادی اور اجتماعی زندگ	_
ریں۔	تے ہیں؟ مبر 3: پیغمبر اقدس ﷺ کی حیات طیبہ جنگی حکمت عملی کے لیے نمونہ عمل ہے، وضاحت ک	-
	(20)	
سلمان انہیں	مبر4: اسلام نے بیٹیوں کو کیا حقوق عطا کیے ہیں؟اس کی وضاحت کریں اور معاصر دنیا کے ہ	
	ن حقوق سے محروم رکھے ہوئے ہیں؟ مبر 5: اجماع کی تعریف کریں اور اس کی مختلف اقسام کی وضاحت کریں۔ کیا ایک مسلم ریاست	_
، کے دریتے	ہبرو. * ، جمعاع کے گریف کریں ہور ، اس کے مختلف اسلام کے وقعادی کریں۔ کیا ، یک مسلم ریاست نِ سازی کو اجماع قرار دیا جا سکتا ہے۔؟ (20)	
) نمبر 6: میثاق مدینه کا بطور سماجی معاہدہ تجزیہ پیش کریں۔	
www.examoo.o	(20)	om
یسے نجات	مبر 7: پاکستان میں انتہا پسندی کے محرکات کیا ہیں؟اسلامی تعلیمات کی روشنی میں ان سے ک کے حاسکتی دیں؟	
	کی جا سکتی ہے؟	عاصس د ۱۰

(الف) ۔ معاشرے میں سماجی انصاف

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Roll Number

ACCOUNTANCY AND AUDITING, PAPER-I

TIME ALLOWED: THREE HOURS PART-I (MCQS) MAXIMUM MARKS = 20 PART-I (MCQS): MAXIMUM 30 MINUTES PART-II MAXIMUM MARKS = 80

NOTE: (i) Part-II is to be attempted on the separate Answer Book.

- (ii) Attempt ONLY FOUR questions from PART-II by selecting TWO questions from EACH SECTION. ALL questions carry EQUAL marks.
- (iii) All the parts (if any) of each Question must be attempted at one place instead of at different places.
- (iv) Write Q. No. in the Answer Book in accordance with Q. No. in the Q.Paper.
- (v) No Page/Space be left blank between the answers. All the blank pages of Answer Book must be crossed.
- (vi) Extra attempt of any question or any part of the question will not be considered.
- (vii) Use of Calculator is allowed.

<u>PART – II</u> <u>SECTION – I</u>

- Q. 2. (A) What are the Accounting Principles? Define any four accounting principles shortly. (5)
 - **(B)** What are the Accounting Conventions? Define any four accounting conventions shortly. (5)
 - (C) The below mentioned balances are extracted from the books of Emerging Technologies Pvt. Ltd. as on 31st August 2022.

Head of Account	Amount
Sundry expenses	166,000
Opening Stock	400,000
Premises	3,775,000
Furniture	1,350,000
Machinery	2,600,000
Drawings	250,000
Purchases	6,455,000
Sales	12,262,000
Discount received	47,000
Discount allowed	54,000
Carriage outward	18,000
Returns inward	122,000
Return outwards	28,000
Closing Stock	372,500
Wages and salaries	1,750,000
Cash in hand	940,000
Rent, rates and taxes	137,000
Rent received in advance	53,000
Bills receivables	192,000
Trade creditors	2,076,000
Book debts	3,150,000
Bills payable	130,000
Bank loan	580,000
Capital	6,200,000
Carriage inward	17,000

Required: Prepare a Trial Balance as on that date in a proper format.

(10) (20)

Q. 3. Deluxe Software Private Limited closes its books on 31st December every year. You are provided with the following data:

Shareholders Equity	(Rs.	°000°)
examoo.com www.examoo.com www.exar	2021	2020
Opening	700	600
Profit after tax	<u>220</u>	200
	920	800
Dividend	(100)	(100)
Closing	820	700
Other data		
Number of Shares (in '000s)	60	60

Page 1 of 4

ACCOUNTANCY AND AUDITING, PAPER-I

Required:

(a) On the basis of above data, compute the following for the year 2020 and 2021

(5)

a. Earnings per share (EPS)

b. Return on closing equity (ROE)

c. Book value per share (BV)

(5)

- **(b)** Compute dividend per share and rate of dividend for the year 2022.
- (c) For the year ending 31st December 2022 the management decided to aim for EPS Rs.4.00 (9% higher than for the year 2021) and return on closing equity of 25%. Compute the estimated book value as at 31st December 2022 assuming that management targets are achieved. Also compute estimated figures for Profit after Tax, Dividend and Equity.

(10) (20)

Q. 4. (A) Post-closing Trial Balance of Premium Fabrics Private Limited for the year ended December 31, 2021 and 2022 are as follows:

	2022	2021
Equities and Liabilities	vw.exa noo.com www	v examoo.com
Issued and paid-up capital	5,000,000	5,000,000
Short-term running finance	3,000,000	800,000
Unappropriate profit	400,000	300,000
Trade Creditors	3,000,000	1,000,000
Accumulated Depreciation:	www.c.c.a. moo.com	- Zamoo-com
Plant and Machinery	900,000	600,000
Motor Vehicle	420,000	280,000
D.COM WWW.CX2MIOO.COM WWW.CX2MIOO.COM WY	12,720,000	7,980,000
Assets	vw.exa.noo.com wwv	v.examoo.com
Land and Building	2,500,000	1,500,000
Plant and Machinery	3,000,000	2,500,000
Motor vehicles	620,000	580,000
Stock in Hand	3,600,000	1,100,000
Trade debtors	3,000,000	2,300,000
o.com www.examoo.com www.examoo.com w	12,720,000	7,980,000

Additional data:

- During the year 2022, a dividend @ 10% was distributed to the shareholders. The paid-up value of each share is Rs. 10/-
- A Motor vehicle, having original cost of Rs. 100,000 and depreciated book value of Rs. 60,000 was sold for Rs. 80,000.
- Gross funds generated from operations during the year was Rs. 1,060,000.

Required: prepare a cash flow statement of Premium Fabrics as per IAS-7 for the year 2022.

(B) Mr. Haider started a business on March 1st 2022 with a capital of Rs. 645,000. His newly appointed bookkeeper records transaction on simple papers. His cash book page shows following transactions for the year.

Particulars	ww	Amount	Particulars	Amount
Expenses Paid	WW	27,500	Sales on cash	322,000
Receipts from debtors	ww	241,000	Drawings of Mr. Haider	25,500
Purchase of Motorbike	ww	92,000	Payments to creditors	322,000
Purchases on cash	NV NV	148,000	www.examoo.com www.e	ramoo.com

On December 31st 2022 value of closing stock is 46,000. The payables and receivables are Rs.125,000 and Rs. 80,000 respectively. Useful life of motorbike is 8 years and salvage value will be 32000. Bookkeeper decided to use the straight-line method of depreciation for the whole useful life of motorbike.

Required: Prepare Trading and Profit and Loss account and Balance Sheet as on 31st (10) (20) December 2022.

SECTION - II

Q. 5. (A) Eagle Star is a manufacturing company. The Company uses Rowan Premium bonus scheme for its workers payroll. Workers are also entitled to dearness allowance of Rs. 2,400 per week of 48 hours. Mr. Afzal is one of the workers of that company. His basic wage rate is 1,200 per day of 8 hours. His time sheet for the week is as under:

Job Name	Time Allowed	Time Taken
Crafting	25 hours	20 hours
Assembling	30 hours	20 hours
Idle time (Waiting)		8 hours

Required:

Calculate gross wage of Mr. Afzal for the week.

ACCOUNTANCY AND AUDITING, PAPER-I

(B) An Automobile factory will use 500,000 tyres for its production in coming year. The incremental cost of placing an order is Rs. 8,000. The cost of storing a tyre for whole year is Rs. 2000.Lead time on an order is 5 days and the company wishes to keep reserve supply of two days usage. Usage per day will be constant in whole work year. Company work year consists of 250 days.

Required: Calculate Economic Order Quantity and Reorder point.

(10) **(20)**

Q. 6. (A) A manufacturing company of Lahore submits the following information for the year ending 31st December 2022:

Particulars	Amount	Particulars	Amount
Sales	4,500,000	Raw Material 1 st January	150,000
Purchases	2,020,000	Finished Goods 1st January	700,000
Tools Expenses	45,000	Indirect Labour	50,000
Depreciation of Plant	45,000	Power, Heat & Light	30,000
Work in process 1 st January	300,000	Finished Goods 31 st December	605,000
Purchase Retunes	20,000	Depreciation of machinery	60,000
Fire Insurance	8,000	Raw Material 31 st December	290,000
Direct Labour	590,000	Work in Process 31 st December	250,000
Misc. Manufacturing Costs	9,000	Indirect Material Consumed	50,000
Selling Expenses	5% of sales	Administrative Expenses	2% of sales

Required: Prepare an Income Statement for the year ended 31st December 2022

(10)

(B) Khizra manufacturing corporation has fixed cost for the year ended 31st December 2022 is Rs. 400,000. Variable cost per unit is Rs. 20. Each Unit sells at Rs. 100.

Required:

a) Break Even point (both in units and value)

(2)

- b) If turnover for the next year is Rs. 800,000, calculate the estimated contribution and profit, assuming the cost and selling price remain the same (4)
- c) A profit target of Rs. 400,000 has been desired for the next year. (4) (10) (20) Calculate the turnover required to achieve the desired result.
- Q. 7. The Balance Sheet of Fazal Din & Co. as on 31st December 2021 was as follows:

BALANCE SHEET

Liabilities & Capital	Amount	Assets	Amount
Current Liabilities	Rs. 17,500	Cash	Rs. 5,000
Paid-up-Capital	100.com wwx	Accounts Receivable	Rs. 10,000
3,000 ordinary shares of Rs. 10	mocom yww	Materials	Rs. 4,000
each	Rs. 30,000	Work in Process	Rs. 2,000
Retained Earnings	Rs. 10,000	Finished Goods	Rs. 6,000
o.com www.examoo.com www.exar	noo.com www	Prepaid expenses	Rs. 500
o.com www.examoo.com www.exan	noo.com www	Fixed Assets(net)	Rs. 30,000
o.com www.examoo.com www.exam	Rs. 57,500	examoo.com www.exa	Rs. 57,500

During the year 2022 the retained earnings increase 50% as a result of good business. No dividend was paid during the year. Balances of Accounts receivables, prepaid expenses, current liabilities and paid-up capital were the same as 31st December 2022 as they had been on 31st December 2021, Inventories were reduced as follows:

Material 50% Work in process 50% Finished goods 33-1/3%

Fixed Assets were reduced by depreciation of Rs. 4,000 charged 3/4th to factory overhead and 1/4th to administrative expenses. Sales were made of Rs. 60,000 on account of finished goods costing Rs. 40,000. Direct labor cost was Rs. 9,000. Factory overhead was applied at the rate of 100% of direct labor cost, leaving Rs. 2,000 under applied which was closed to cost of goods sold account. Total marketing and administrative expenses amounting to 10% and 15% respectively of the gross sales.

Required:

- (a) An Income statement for 2022, along with the details of Cost of goods manufactured (10) and sold
- **(b)** A balance Sheet as on 31st December 2022.

(10) (20)

ACCOUNTANCY AND AUDITING, PAPER-I

Q. 8. A chemical factory manufactures three kinds of chemicals namely Eucalyptus oil, Hexachlorobenzen and Toxaphene. In the last week of December 2022, the records were:

Labor Grade	No of Employees	Rate per hour (Rs.)	Hours Worked by each employee
I	12	40	40
II	36	32	42
III	8	28	40
IV	2	16	44

Output and standard times during the same week were as follows:

Components	Output (In Units)	Standard Minutes for each unit		
Eucalyptus oil	888	30		
Hexachlorobenzen	1800	54		
Toxaphene	960	66		

Normal working hours per week are 38. Overtime is paid at the premium of 50 % of the normal hour rate.

Group Incentive Scheme:

A group incentive scheme is in operation. The time saved is expressed as a percentage of hours worked and is shared between the group as a proportion of the hours worked by each grade. The incentive rate is 75% of the normal hour rate.

Required: Prepare the payroll for the last week of December 2022 showing the basic pay, overtime and incentive amount as separate totals for each grade of labor.

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Page 4 of 4



Roll Number

ACCOUNTANCY & AUDITING, PAPER-II

TIME ALLOWED: THREE HOURS PART-I (MCQS) MAXIMUM MARKS = 20 PART-I (MCQS): MAXIMUM 30 MINUTES PART-II MAXIMUM MARKS = 80

NOTE: (i) Part-II is to be attempted on the separate Answer Book.

- (ii) Attempt ONLY FOUR questions from PART-II by selecting at least ONE question from EACH SECTION. ALL questions carry EQUAL marks.
- (iii) All the parts (if any) of each Question must be attempted at one place instead of at different places.
- (iv) Write Q. No. in the Answer Book in accordance with Q. No. in the Q.Paper.
- (v) No Page/Space be left blank between the answers. All the blank pages of Answer Book must be crossed.
- (vi) Extra attempt of any question or any part of the question will not be considered.
- (vii) Use of Calculator is allowed.

<u>PART – II</u> SECTION – I (AUDITING)

- Q. 2. Define professional skepticism and explain its key characteristics. Why should auditors act as though there is always a potential conflict of interest between the auditor and the management of the enterprise under audit?
- Q. 3. What are CAATs? What are some audit procedures that can be performed using CAATs? (20) What advantages are derived from using CAATs in the financial statement audit?
- Q. 4. Define and explain the differences among several kinds of employee frauds that might occur at an audit client.

<u>SECTION – II (BUSINESS TAXATION)</u>

Q. 5. a. Zia inherited certain assets from his father in the year 20x1. The fair market values of the assets on the date of inheritance were as follows:

	Rs.
25,000 shares of a private limited company	25,00,000
21,000 shares of public listed company	4,62,000
Membership card of Pakistan Stock Exchange	20,000,000
Jewelry	15,00,000

During the tax year 20x5, Zia undertook the following transactions:

1) He gifted some of the assets to his 20-year old son Ishaq. The detail and fair market

values of the assets are as follows:
----10,000 shares of a private limited company
----10,000 shares of a public limited company
----- Membership card of Pakistan Stock Exchange

Rs.
2,000,000
1,700,000
40,000,000

2) The remaining shares were sold as follows: Rs.

---- shares of a private limited company 3,000,000 ---- shares of a public limited company . 1,500,000

Ishaq sold all the assets transferred through gift in the same year. The assets fetched the following amounts:

Rs.

10,000 shares of a private limited company	2,500,000
10,000 shares of a public limited company	1,500,000
Membership card of Pakistan Stock Exchange	55,000,000

Required:

- (i) Based upon the above information, compute the taxable income of Zia and Ishaq for the tax year 20x5 (10)
- (ii) Give a brief explanation for the items not included in the taxable income. (10) (20)

ACCOUNTANCY & AUDITING, PAPER-II

- Q. 6. Explain the correct tax treatment in each of the following situations:
 - 1. Mr. Hamza made a total contribution of Rs. 150,000 as a donation to the approved institution mentioned in the 13th schedule. His total income from a business during the tax year 2023 is Rs. 1,800,000.
 - 2. Nine years ago, Masood inherited a rare sculpture of Buddha which had a fair market value of Rs. 200,000 on the date of inheritance. In August 2022, the sculpture was sold by him at Rs. 500,000.
 - 3. In June 2022, Imran entered into an agreement for the sale of the residential plot to Ibrahim, who paid an advance of Rs. 500,000. According to the agreement, Ibrahim was required to pay the balance by August 31, 2022. However, instead of paying the balance amount, he terminated the sale agreement. Imran forfeited the advance of Rs. 500,000 in accordance with the terms of the agreement.
 - 4. In September 2022, Adnan sold his personal car, Toyota Corolla, to one of his cousins at the price of Rs. 500,000 whereas the fair market value of the car was Rs. 20,00,000. The car was purchased by him six years ago at of cost of Rs. 10,00,000.
 - 5. Imran was working as a Chief Financial Officer in Dawood Pakistan (Pvt) Limited, which is a wholly owned subsidiary of Dawood AG, Germany. According to the Company's policy, Imran was sent on secondment to Germany on January 1, 2022, for a period of five years. During this period, half of his salary will be credited to his bank account in Pakistan, whereas the remaining portion will be received by him in Germany.
 - 6. Maqsood provided consultancy services to a listed company. In consideration for his services, he received a net amount of Rs. 45,000 after a tax deduction of Rs. 5,000.

SECTION – III (BUSINESS STUDIES AND FINANCE)

Q. 7. Fitch Industries is in the process of choosing the better of two equal-risk, mutually exclusive capital expenditure projects, M and N. The relevant cash flows for each project are shown in the following table. The firm's cost of capital is 9%.

www.examoo.com www.examoo.com	Project M	Project N
Initial investment-Cash Outflow	-\$40,000	-\$40,000
Year (t)	Cash inflows	Cash inflows
www.examoo.com 1 www.examoo.com	\$14,000	\$23,000
www.examuu.com 2 www.examuu.com	14,000	12,000
3 *************************************	14,000	10,000
www.examoo.com 4 www.examoo.com	14,000	9,000

- i. Calculate each project's payback period.
- ii. Calculate the net present value (NPV) for each project.
- iii. Calculate the internal rate of return (IRR) for each project.
- iv. Summarize the preferences dictated by each measure you calculated, and indicate which project you would recommend. Explain why?
- Q. 8. How have globalization and information technology created new opportunities for entrepreneurs? How does an aging population create opportunities for entrepreneurs? Describe current demographic trends that suggest new goods and services for entrepreneurial businesses.

Page 2 of 2

(20)



PART-I(MCQS):

FEDERAL PUBLIC SERVICE COMMISSION

COMPETITIVE EXAMINATION-2023 FOR RECRUITMENT TO POSTS IN BS-17

UNDER THE FEDERAL GOVERNMENT

AGRICULTURE & FORESTRY

TIME ALLOWED: THREE HOURS PART-I (MCQS) MAXIMUM MARKS = 20**MAXIMUM 30 MINUTES PART-II** MAXIMUM MARKS = 80

Roll Number

NOTE: (i) Part-II is to be attempted on the separate Answer Book.

- (ii) Attempt ONLY FOUR questions from PART-II by selecting TWO questions from EACH **SECTION**. **ALL** questions carry **EQUAL** marks.
- (iii) All the parts (if any) of each Question must be attempted at one place instead of at different
- (iv) Write Q. No. in the Answer Book in accordance with Q. No. in the Q.Paper.
- (v) No Page/Space be left blank between the answers. All the blank pages of Answer Book must be crossed.
- (vi) Extra attempt of any question or any part of the question will not be considered.

PART-II SECTION-A

- Rural development has offered more scope under the urbanization trend in Pakistan. Q. No. 2. Discuss on the current scenario, issues, steps taken in past and your vision for the paradigm change in rural development. Q. No. 3. Integrated agriculture is an approach for sustainability of resources, profitability of (20)farmers and economic growth of the country. Discuss the issues and solutions for the
- Q. No. 4. Give an overview of rainfed agriculture in Pakistan. Discuss the issues, opportunities and give an insight into the actions required in order to realize the full potential of these areas to contribute in overall performance of agriculture in Pakistan.
- Write short notes on the following: Q. No. 5. (5-Each)
 - (a) Agricultural practices to slow down the climate change
 - (b) GMO and consequences

adoption of integrated agriculture in Pakistan.

- (c) Precision agriculture
- (d) Failure of cotton crop in Pakistan

SECTION-B

- Discuss on the degradation of old forests and values of the newly developed O. No. 6. rangelands in Pakistan. Also describe your vision to conceive climate smart polices for forests sustainability.
- Rangelands have considerable role in agricultural economy of Pakistan. Explain Q. No. 7. (20)different ways and means for integrated management of rangelands and livestock production keeping in view the climate change in Pakistan.
- Write short notes on any four of the following: (5-Each) Q. No. 8. (20)
 - Laws of forests and wildlife in Pakistan. (i)
 - (ii) Land reforms and its impact on agroforestry.
 - (iii) Wood based industries in Pakistan.
 - Social forestry and its value. (iv)
 - (v) Issues relating to Shesham and Eucalyptus
 - (vi) Watershed management

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Roll Number

ANTHROPOLOGY

	LLOWED: THREE HOURS PART-I (MCQS) MAXIMUM MARIMUM 30 MINUTES PART-II MAXIMUM MARIMUM M	
(i	 Attempt ONLY FOUR questions from PART-II. ALL questions carry EQUAL: All the parts (if any) of each Question must be attempted at one place instead of at places. Write Q. No. in the Answer Book in accordance with Q. No. in the Q.Paper. 	different
,	v) No Page/Space be left blank between the answers. All the blank pages of Answers be crossed.	ver Book
	vi) Extra attempt of any question or any part of the question will not be considered.	w.examoo.
	PART-II	
Q.No.2.	Anthropology involves the comparison of different societies to understand the scope of human cultural diversity. Discuss the subject matter of anthropology and how anthropology is related to other disciplines in social sciences.	(20)
Q.No.3.	Economic system refers to the means by which a society produces, distributes and consumes resources. Discuss how anthropologists are different from other discipline in the study of economic organization.	(20)
Q.No.4.	All groups of people develop complexes of symbols, rituals, and beliefs that connect their own experience to the essential nature of the universe. Explain evolution and function of primitive religion as discussed by anthropologists.	(20)
Q.No.5.	How anthropologist define a social problem? Discuss the causes and consequences of political instability in Pakistan.	(20)
Q.No.6.	Discuss qualitative and quantitative research approaches appropriate for anthropological research.	(20)
Q.No.7.	Define Social Institution. Discuss the manifest and latent functions of family institution.	(20)
Q.No.8.	Define Religion. Discuss various anthropological approaches to the study of religion.	(20)



Roll Number

APPLIED MATHEMATICS

TIME ALI	LOWI	ED: THREE HO	OURS				M	AXIMUM M	1ARKS = 100
(ii (iv (v)	i) All ii) Car v) No Ext	empt ONLY FIV the parts (if any) adidate must write Page/Space be le ra attempt of any of Calculator is	of each Que e Q. No. in the ft blank between or	stion must he Answer he	be attempte Book in acc swers. All tl	d at one pla cordance wi he blank pa	th Q. No. inges of Ansv	n the Q.Paper wer Book mu	r.amoo.com
Q. No. 1.	(a)	Forces of mag DA of a squar the diagonals of its line of a	e ABCD, o BD, AC. Fi	f side a and nd the mag	d forces ea	ch of mag	nitude (8√	$\overline{2}$) P act alo	ng
	(b)	A uniform rocand is maintain point <i>C</i> at a di	ned in equi	librium by	a light stri	ing of leng	th a fasten	ed to B and	to a
		**************************************		$\frac{a^2 + 2b^2}{2b}$	www.examo				
		and find the te	ension in the	e string.					
Q. No. 2.	(a)	Use Runge-Ko at <i>x</i> =1.2 by tal				e the follow	wing differ	rential equa	tion (10)
	(b)	Find the first a Newton's forv					n the follo	wing data us	sing (10)
		X	3	3.5	4	4.5	5	5.5	
		f(x)	4.1023	5.1047	8.1971	9.1096	4.1122	6.1148	
Q. No. 3.	(a)	Find the angle point $(2, -1, 2)$		ne surfaces	$x^2 + y^2 +$	$+z^2=9$ a	$\operatorname{nd} z = x^2$	$+y^2-3$ a	t the (8)
	(b)	Show that			www.examo				(6)
	com	www.examoo.com	www.cxa	$\nabla r^n = r$		o.com w	ww.examoo	.com www.e	xamoo.com
	(c)	Find the total $F = 3xy \ \mathbf{i} - 5$ $t = 1 \text{ to } t = 2$	5zj + 10x						(6)
Q. No.4.	(a)	A particle P m fixed point O	is $r = a t + a$	$-bt^2$ and	the line co	nnecting (O and P ma	akes an angl	le
		$\theta = ct^{\frac{3}{2}}$ with a velocity and a					erse compo	onents of the	xxmoo.com
	(b)	Solve the follo	owing Bern	ouli's equa $x \frac{dy}{dx} +$	4				(10)
Q. No. 5.	(a)	Solve the follo	owing differ	rential equ	ation				(10)

(10)

 $x \, dy = (x \sin x - y) \, dx$

Find the general solution of the higher order differential equation $y''' + 8y'' = -6 x^2 + 9x + 2$

APPLIED MATHEMATICS

- **Q. No. 6.** (a) Find solution of 4y'' + y = 0 in the form of power series in x. (10)
 - (b) Solve the following differential equation by variation of parameters (10)

$$y'' - 4y' + 4y = (x+1)e^{2x}$$

- Q. No. 7. (a) Find real root of the equation $2x 3\sin(x) 5 = 0$ up to 4 decimal places by secant method. (10)
 - (b) Solve the following system of equations by Guass Seidel method. Perform only five iterations. (10)

$$8x_1 - x_2 - x_3 = 6$$
$$x_1 + 6x_2 + x_3 = 8$$

$$x_1 - x_2 + 5x_3 = 5$$

- Q. No. 8. (a) Expand $f(x) = \sin x$, $0 < x < \pi$, in a Fourier cosine series. (10)
 - (b) Use the method of separation of variables to find the solution of the following boundary value problem (10)

$$\nabla^2 u = \frac{\partial^2 u}{\partial x^2} + \frac{\partial^2 u}{\partial y^2} = 0, \qquad 0 \le x \le a, \qquad 0 \le y \le b$$

$$u_x(0, y) = 0, \quad u_x(a, y) = 0,$$

$$u_y(x, b) = 0, \quad u(x, 0) = f(x).$$



Roll Number

APPLIED MATHEMATICS

TIME ALI	LOWI	ED: THREE HO	OURS				M	AXIMUM M	1ARKS = 100
(ii (iv (v)	i) All ii) Car v) No Ext	empt ONLY FIV the parts (if any) adidate must write Page/Space be le ra attempt of any of Calculator is	of each Que e Q. No. in the ft blank between or	stion must he Answer he	be attempte Book in acc swers. All tl	d at one pla cordance wi he blank pa	th Q. No. inges of Ansv	n the Q.Paper wer Book mu	r.amoo.com
Q. No. 1.	(a)	Forces of mag DA of a squar the diagonals of its line of a	e ABCD, o BD, AC. Fi	f side a and nd the mag	d forces ea	ch of mag	nitude (8√	$\overline{2}$) P act alo	ng
	(b)	A uniform rocand is maintain point <i>C</i> at a di	ned in equi	librium by	a light stri	ing of leng	th a fasten	ed to B and	to a
		**************************************		$\frac{a^2 + 2b^2}{2b}$	www.examo				
		and find the te	ension in the	e string.					
Q. No. 2.	(a)	Use Runge-Ko at <i>x</i> =1.2 by tal				e the follow	wing differ	rential equa	tion (10)
	(b)	Find the first a Newton's forv					n the follo	wing data us	sing (10)
		X	3	3.5	4	4.5	5	5.5	
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Q. No. 3.	(a)	Find the angle point $(2, -1, 2)$		ne surfaces	$x^2 + y^2 +$	$+z^2=9$ a	$\operatorname{nd} z = x^2$	$+y^2-3$ a	t the (8)
	(b)	Show that			www.examo				(6)
	com	www.examoo.com	www.cxa	$\nabla r^n = r$		o.com w	ww.examoo	.com www.e	xamoo.com
	(c)	Find the total $F = 3xy \ \mathbf{i} - 5$ $t = 1 \text{ to } t = 2$	5zj + 10x						(6)
Q. No.4.	(a)	A particle P m fixed point O	is $r = a t + a$	$-bt^2$ and	the line co	nnecting (O and P ma	akes an angl	le
		$\theta = ct^{\frac{3}{2}}$ with a velocity and a					erse compo	onents of the	xxmoo.com
	(b)	Solve the follo	owing Bern	ouli's equa $x \frac{dy}{dx} +$	4				(10)
Q. No. 5.	(a)	Solve the follo	owing differ	rential equ	ation				(10)

(10)

 $x \, dy = (x \sin x - y) \, dx$

Find the general solution of the higher order differential equation $y''' + 8y'' = -6 x^2 + 9x + 2$

APPLIED MATHEMATICS

- **Q. No. 6.** (a) Find solution of 4y'' + y = 0 in the form of power series in x. (10)
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$$u_y(x, b) = 0, \quad u(x, 0) = f(x).$$



Roll Number

ARABIC

TIME ALLOWED: THREE HOURS PART-I (MCQS) MAXIMUM MARKS = 20 PART-I (MCQS): MAXIMUM 30 MINUTES PART-II MAXIMUM MARKS = 80

- NOTE: (i) Part-II is to be attempted on the separate Answer Book.
 - (ii) Attempt ONLY FOUR questions from PART-II. Answer must be written in respective language except where specified in the question paper. ALL questions carry EQUAL marks.
 - (iii) All the parts (if any) of each Question must be attempted at one place instead of at different places.
 - (iv) Write Q. No. in the Answer Book in accordance with Q. No. in the Q.Paper.
 - (v) No Page/Space be left blank between the answers. All the blank pages of Answer Book must be crossed.
 - (vi) Extra attempt of any question or any part of the question will not be considered.

		<u>Part – </u>	Ww.examoo.com		
(20)		سبع المعلقات.	<u> جاهلي؟ اذكر خصائص</u>	ا ذا تعرف عن الأدب الع	سوال نمبر2: م
(20)		ع رية بالتفصيل.	ىن حياته ومميزاته ال <i>ش</i>	ن هو الفرزدق؟ اكتب ء	سوال نمبر3: م
(20)		سي.	الشعر في العصر العبا	<i>ع</i> دث عن أسباب ازدهار	سوال نمبر4: تح
(20)	وظ.	على روايات نجيب محف	سر الحديث مع التركيز	ف تطور الرواية في العد	سوال نمبر5: _ك
(20)		التفصيل.	قي ومميزاته الشعرية با	تتب عن حياة أحمد شو	سوال نمبر 6: اک
(20)		كر أعماله الأدبية.	اه ولي الله المحدث مع ذ	كر مقالا موجزا عن الشــــــــــــــــــــــــــــــــــــ	سوال نمبر7: اذ
(20)	(05 marks each)		موعات التالية:	نب شذرة على الموض	سوال نمبر8: اكن
	صر الأموي	ب - فن الخطابة في الع	دب العربي	ا- النقد في الأ	
		د ديوان الحماسة		ج- قس بن سا.	
		*****	***		



FEDERAL PUBLIC SERVICE COMMISSION

COMPETITIVE EXAMINATION-2023 FOR RECRUITMENT TO POSTS IN BS-17 UNDER THE FEDERAL GOVERNMENT BALOCHI Roll Number

TIME ALLOWED: THREE HOURS
PART-I(MCQS): MAXIMUM 30 MINUTES
PART-II
PART-II
MAXIMUM MARKS = 20
MAXIMUM MARKS = 80

- NOTE: (i) Part-II is to be attempted on the separate Answer Book.
 - (ii) Attempt ONLY FOUR questions from PART-II. Answer must be written in respective language except where specified in the question paper. ALL questions carry EQUAL marks.
 - (iii) All the parts (if any) of each Question must be attempted at one place instead of at different places.
 - (iv) Write Q. No. in the Answer Book in accordance with Q. No. in the Q.Paper.
 - (v) No Page/Space be left blank between the answers. All the blank pages of Answer Book must be crossed.
 - (vi) Extra attempt of any question or any part of the question will not be considered.

PART-II

(20)	بلوچی زبان میان استمانی (بین الاقوامی) زباناس چنکس اثر مند کُرتگ؟نبشتہ کن اِت.	سوالنمبر2.
(20)	بلوچی کلاسیکی شاعریءَ شہداد ء مہناز ءِ داستان ءِ چے اَرزشت اِنت؟ نگدی دروشم ءَ	سوالنمبر2.
(20)	بوپی صوصی کی ساعری سہدہ و مہدر او دانستان او پہنے اور دانستان کی دروست اور دانستان کی دروست اور دانستان کی دروست اور دانستان کی دروستان کی در دروستان کی دروستان کرد دروستان کی دروستان کر	سواسبررد.
(20)	عطاشاداے دُور ءَ بلوچی زبان ءِ مستریں شاعر گُشگ بیت؟ اِے بابت ءَ وتی حیالاں	سوالنمبر4.
www.	درشان كن اِت.	
(20)	شئے مرید ء حانی ء عشقی داستان ء سرا سرجمیں نبشتانکے نبشتہ کن اِت	سوالنمبر5.
(20)	دود ءُ ربیدگ {ثقافت} چے ءَ گُشنت؟ بلوچ دود ءُ ربیدگ ءِ جتائیں تَہرانی سرا	سوالنمبر6.
www.	نبشتانکے بنویس اِت۔ سیاس اس ا	
(20)	رِند ءُ لاشار ءِ نيام ءَ سي سالي ئيں جنگ ۽ پُشدر، تاوان ءُ آسر ۽ بابت ءَ سرجميں	سوالنمبر7.
	نبشتانکے نبشتہ کن اِت۔	www.examous
(20)	جہل ۽ داتگيں بلوچي پيراگراف ۽ انگريزيءَ ، ءُ انگريزي پيراگراف بلوچي ۽ رَجانک کنات	سوالنمبر8
(=0)	كل إت (10 each)	(الف)-
	۔۔۔ بلوچ راج چو۔ دُنیا ءِ ایدگہ راجانی ڈول ءَ ۔۔ یک کوہنیں زبان، دود ءُ ربیدگ ءُ بُن دیِترے۔	www.examoo.e
	۽ واېندانت مېر ءُ محبت، صبر و برداشت، مهمان ءُ مهمانداري بلوچ ءِ دود ءُ ربيدگ ءِ	
	مستریں بَهر اُنت بلوچ چہ کوہنیں زمانگ ء وتی پت ء پیرکی دود ء رسمانی سر پہر	
	بند أنت ءُ عمل كنگ ءِ جُهد كن أنت لِے گپّ راست إنت كم مروچى باندا بازيں دود ءُ	-(:)
	رسمانی تہا بدلی اَتکگ ، بلئے بلوچاں وتی گیشتریں دود کوہنیں دروشم ءَ داشتگ اَنت۔	www.examoo.c
	و بازیں دود نوکیں رنگ ءُ دروشم ءَ ہم دیما آیان اُنت۔	

Ever since the mid-20th century, there have been attempts to create a unified orthography (standard script) for the Balochi language. The development of written Balochi has mainly taken place in Pakistan, where there have been advocates of both the Arabic and Roman scripts. Most literature, of course has been written in Arabic script, but even here diverging systems have been used. Different writers and language developers have advocated different orthographic systems and some of the more prolific writers have also employed different systems over time.



Roll Number

BOTANY

TIME ALLOWED: THREE HOURS PART-I (MCQS) MAXIMUM MARKS = 20**PART-I(MCQS): MAXIMUM 30 MINUTES PART-II** MAXIMUM MARKS = 80NOTE: (i) Part-II is to be attempted on the separate Answer Book. Attempt ONLY FOUR questions from PART-II. ALL questions carry EQUAL marks. (iii) All the parts (if any) of each Question must be attempted at one place instead of at different places. (iv) Write Q. No. in the Answer Book in accordance with Q. No. in the Q.Paper. No Page/Space be left blank between the answers. All the blank pages of Answer Book must be crossed. Extra attempt of any question or any part of the question will not be considered. (vi) **PART-II** Write comprehensive notes on the following: (10 each) O. No. 2. (20)(a) Morphology of thallus in Algae Alternation of generation in Bryophytes **(b)** O. No. 3. Describe significance of various types of abiotic environmental factors for soil formation. Give soil characteristics formed by each agent. Describe ultra-stucture of nucleus with particular reference to nuclear membrane Q. No. 4. and pore complexes. Describe various types of environmental pollutions. Give significance of O. No. 5. biodiversity and conservation to save the living planet. Give a diagrammatic account of location of the different photosystems in granum Q. No. 6. and briefly describe their functions in photosynthesis. What are different rules of botanical nomenclature? Compare natural and artificial Q. No. 7. (20)system of classification. Write short notes on any **TWO** of the followings: Q. No. 8. (10 each) (20)(a) Reproduction and economic importance of yeast (b) Illustrative account of protein synthesis in eukaryotes (c) Endosperm development in Angiosperms



Roll Number

BRITISH HISTORY

TIME ALI PART-I(M	LLOWED: THREE HOURS MCQS): MAXIMUM 30 MINUTES PART-I (MCQS) PART-II	MAXIMUM MARKS MAXIMUM MARK	
NOTE: (i) (ii)	, 1	lecting TWO questions	s from
(iii	iii) All the parts (if any) of each Question must be attempt different places.	ed at one place instead	d of at
(iv (v)	iv) Write Q. No. in the Answer Book in accordance with Q. Nov) No Page/Space be left blank between the answers. All the must be crossed.		r Book
(vi)	vi) Extra attempt of any question or any part of the question wi	ll not be considered.	examoo.
	<u>PART-II</u> <u>SECTION-A</u>		
Q. No. 2.	How did the Glorious Revolution occur in Britain? What wand abroad?	as its fallout at home	(20)
Q. No. 3.	"The English people got so much frightened by the develop there prevailed a sort of panic across the country". Analyse t French Revolution on England.		(20)
Q. No. 4.	Why did Britain initiate the Policy of Splendid Isolation? Vopinion whether it was a right step in right direction or prove	-	(20)
Q. No. 5.	According to Rudyard Kipling, "however the world pretends are only two divisions in the world today human beings light of this statement, was the British policy in the First W not? Comment.	and Germans". In the	(20)
	SECTION-B		
Q. No. 6.	Produce an analytical essay on the causes, major developme the Second World War.	ents, and aftermath of	(20)
Q. No. 7.	"We will find those who did it, we will smoke them out of the them running and we will bring them to justice". In the copresent a balanced critique about the War on Terror with sprole of Great Britain.	ontext of this remark,	(20)
Q. No. 8.	How did the global financial crisis plunge Britain in 21st century and how did it respond?	to recession in the	(20)
	oo.com www.examoo.com www.examoo.com www.examoo.com		



FEDERAL PUBLIC SERVICE COMMISSION

COMPETITIVE EXAMINATION-2023 FOR RECRUITMENT TO POSTS IN BS-17 UNDER THE FEDERAL GOVERNMENT Roll Number

BUSINESS ADMINISTRATION

TIME ALLOWED: THREE HOURS PART-I (MCQS) MAXIMUM MARKS = 20**PART-I(MCQS): MAXIMUM 30 MINUTES PART-II** MAXIMUM MARKS = 80Part-II is to be attempted on the separate Answer Book. NOTE: (i) (ii) Attempt ONLY FOUR questions from PART-II. ALL questions carry EQUAL marks. (iii) All the parts (if any) of each Question must be attempted at one place instead of at different places. (iv) Write Q. No. in the Answer Book in accordance with Q. No. in the Q.Paper. No Page/Space be left blank between the answers. All the blank pages of Answer Book must be crossed. Extra attempt of any question or any part of the question will not be considered. (vi) PART – II Elaborate the theories of privatization. Discuss with example the impact of O. No. 2. (20)Downsizing on Telecommunication sector of Pakistan. (20)How non-tariff barriers effect international business? Critically discuss with Q. No. 3. reference to Less Developed Countries. a. Supply chain managers should be aware of the characteristic of forecasting. Q. No. 4. (20)Why or why not? Critically discuss in detail. **b.** Discuss the components of a forecast and forecasting methods with examples. Explain the role of information technology in forecasting. Critically examine Foreign Direct Investment and the strategic logic behind it for Q. No. 5. (20)the development of a country, especially for Pakistan. Q. No. 6. Discuss and evaluate the endeavors during past decades in Pakistan for the (20)development of Islamic Economic System. Q. No. 7. Discuss the difference between theories of Herzberg and Maslow. Elaborate with reasons which of these theories do you prefer in Pakistani context? Discuss the following with examples with relation to services sector: Q. No. 8. (5 each) (a) Management Information System

(b) Globalization across different cultures

(d) Reinventing Organizations

(c) Meaning and importance of entrepreneurship



TIME ALLOWED: THREE HOURS

FEDERAL PUBLIC SERVICE COMMISSION COMPETITIVE EXAMINATION-2023 FOR RECRUITMENT TO POSTS IN BS-17 UNDER THE FEDERAL GOVERNMENT

Roll Number

MAXIMUM MARKS = 20

CHEMISTRY, PAPER-I

PART-I (MCQS)

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Roll Number

CHEMISTRY, PAPER-II

TIME ALLOWED: THREE HOURS
PART-I(MCQS): MAXIMUM 30 MINUTES
PART-II (MCQS)
MAXIMUM MARKS = 20
MAXIMUM MARKS = 80

- NOTE: (i) Part-II is to be attempted on the separate Answer Book.
 - (ii) Attempt ONLY FOUR questions from PART-II. ALL questions carry EQUAL marks.
 - (iii) All the parts (if any) of each Question must be attempted at one place instead of at different places.
 - (iv) Candidate must write Q. No. in the Answer Book in accordance with Q. No. in the Q.Paper.
 - (v) No Page/Space be left blank between the answers. All the blank pages of Answer Book must be crossed
 - (vi) Extra attempt of any question or any part of the attempted question will not be considered.
 - (vii) Use of calculator is allowed.

PART-II

- Q. 2. (a) Arrange the following alkenes in order of their relative stability. How will you proceed to (5) determine the order practically?
 - i. 1-hexene
 - ii. cis-3-hexene
 - iii. trans-3-hexene
 - (iv) 2-methyl-2-pentene
 - (v) 2,3-dimethyl-2-butene
 - **(b)** Explain why?

(5)

- (i) Poly substitution is a complicating factor in aromatic alkylation but not in aromatic nitration or halogenation.
- (ii) A undergoes nitration predominantly at the ortho/ para positions but B mainly at meta position

- (c) Compare the basicity of:
 - (i) $(CH_3)_3N$
- &

(2

- (-)
- II WWW.CA

&

CH₃C₆H₄NH₂

 $(CCl_3)_3N$

B

(iii) Aniline &

C₆H₅CH₂NH₂

- Cyclohexyl amine
- (iv) CN &
- NC NH₂
- (v) NHCH $_2$ CH $_3$ & NHCOCH $_3$
- (d) Explain why?

- (2.5 each)
- **(5) (20)**

- (i) Tertiary carbocation is more stable than primary.
- (ii) Ethanol has higher boiling point than diethyl ether.
- Q. 3. (a) Write the structural formula for more stable conformation of each of the following (8) compounds.
 - a) trans-1-Fluoro-3-methylcyclohexane,
 - b) cis-1-Iodo-4-methylcyclohexane
 - c) cis-1-tert-Butyl-4-methylcyclohexane,
 - d) cis-1,3,5-Trimethylcyclohexane

(b) Mention R & S configuration of the following compounds.

(c) Draw and label the E and Z isomers for each of the following compounds.

CH₃CH₂C=CHCH₂CH₃, $CH_3CH_2CH_2CH_2$ Cl $CH_3CH_2C=CCH_2CI$ HOCH₂CH₂C=CC=CH₂ CH_3 O=CH C(CH₃)₃ $CH_3CH_2CH=CHCH_3$

(d) Draw the structure of (Z)-3-isopropyl-2-heptene.

(2) (20)

(5)

- Q. 4. (a) In benzaldehyde, two of the ring protons have resonance at 7.87 ppm, and the other three (4each) (20) have resonance in the range from 7.5 to 7.6 ppm. Explain.
 - (b) Arrange the following protons in the decreasing order of their δ values in 1H-NMR and account for your order: Methyl, ethylenic, acetylenic, aryl and aldehydic.
 - (c) List the solvents most commonly used in IR spectroscopy. Why water and ethanol are not suitable solvents?
 - (d) The UV spectrum of acetone shows absorption maxima at 166, 189, and 279 nm. What type of transition is responsible for each of these bands?
 - (e) What types of electronic transitions are possible for each of the following compounds?
 - (i) Cyclopentene,
 - (ii) Acetaldehyde,
 - (iii) Dimethyl ether,
 - (iv) Methyl vinyl ether.
- Q. 5. (a) Write down the reagents, conditions and mechanisms of the following reactions. (10 each) (20)
 - i). Kolbe reaction.
 - ii). Williamson synthesis
 - iii). Dow Process
 - iv). Reimer-Tiemann reaction
 - v). Bromination of phenol
 - **(b)** Outline all steps involved in the synthesis of the following compounds from benzene or toluene, assuming that the ortho / para mixtures are separable.
 - i). n-Butylbenzene
 - ii). m-Nitrotoluene
 - iii). p- Bromonitrobenzene
 - iv). p-Bromobenzoic acid.
 - v). 1,2-Dibromo-4-nitrobenzene
- Q. 6. (a) Describe with equations all possible methods that can be used for the preparation of n-hexane. (10)
 - (b) Why Corey-House Method is more suitable as compared to Wurtz reaction for the synthesis of alkane. Explain with examples.

Page 2 of 3

CHEMISTRY, PAPER-II

- (c) Draw the structures of following compounds and label them with IUPAC systematic rules. (5) (20)
 - i). 3-cyclopentylhexane
 - ii). 2-cyclobutyl-3-methylpentane
 - iii). Isopropylcyclodecane
 - iv). 2-methylbicyclo [3.2.0] heptanes
 - v). 8-methylbicyclo [3.2.1] octane
- Q. 7. (a) How can you prepare each of the following substances by a reaction involving Grignard (5) reagent?
 - і).
 - ii). CHCH₂OH (Two ways)
 - iii). (CH₃)₃CD
 - iv). CH₃CH₂CHOHCH₃ (Two ways)
 - v). (CH₃CH₂)₃COH (Three ways)
 - **(b)** How will you bring about the following conversions?

- (5)
- i CH₃CHBrCH₂COOC₂H₅ → HOOCCH₂CH(CH₃)CH₂COOH
- ii CH₃CH(COOC₂H₅)₂ → HOOCH₂CH(CH₃)CH₂COOH
- (c) How would you synthesize each of the following compounds by the Reformatsky (5) reaction?
- (d) How would you synthesize each of the following compounds by the Wittig reaction?
 - $C_6H_5C=CH_2$ ii). $C_6H_5CH=CHC_6H_5$
- (e) How will you synthesize each of the following substances by an actoacetic ester synthesis? (2.5) (20)
 - i. 3,4-dimethyl-2,5-hexanedione
 - ii. 3-acetyl-5-hexanoic acid.
- Q. 8. (a) Discuss the following topics.

(6 each) (12)

- 1. Prostaglandins
- 2. Terpenes
- **(b)** Name the epimers of d -glucose.

- (4)
- (c) Clearly represent the most stable conformation of the -pyranose form of each of the (4) (20) following sugars.
 - (a) D-Galactose
 - (b) D-Mannose
 - (c) L-Mannose
 - (d) L-Ribose

Page 3 of 3



FEDERAL PUBLIC SERVICE COMMISSION **COMPETITIVE EXAMINATION - 2023** FOR RECRUITMENT TO POSTS IN BS-17 UNDER THE FEDERAL GOVERNMENT

Roll Number

COMPARATIVE STUDY OF MAJOR RELIGIONS (FOR NON MUSLIMS)

TIME ALI PART-I(M	LOWED: THREE HOURS PART-I (MCQS) MAXIMUM MARK ICQS): MAXIMUM 30 MINUTES PART-II MAXIMUM MARK	
NOTE: (i) (ii) (iii) (iv (v)	 All the parts (if any) of each Question must be attempted at one place instead of at d places. Write Q. No. in the Answer Book in accordance with Q. No. in the Q.Paper. No Page/Space be left blank between the answers. All the blank pages of Answer Book be crossed. 	lifferent
(vi)	Extra attempt of any question or any part of the question will not be considered. PART-II	noo.com
Q. No. 2.	Explain in detail the significance of the Buddhist Sanga Council as well as the Panja and Dasa Silas (Ethical Teachings).	(20)
Q. No. 3.	Describe the Christian doctrines in detail with the reforming services of St. Paul in these doctrines.	(20)
Q. No. 4.	Describe in detail the sacred literature of Hinduism.	(20)
Q. No. 5.	Explain the caste system of Hinduism and the different stages of life (ashram).	(20)
Q. No. 6.	Give an explanation of the doctrine of atonement, giving a brief explanation of the doctrines of Christianity.	(20)
Q. No. 7.	Introduce Judaism and discuss their Doctrine (Thirteen Principles of Moses Bin Mammon).	(20)
Q. No. 8.	Explain in detail any one of the following:	(20)
	 (i) Zionism: History and Creeds. (ii) Belief in the end of Prophet hood/ عقيده ختم نبوت 	
	URDU VERSION	
(20)	بده سَنگا کونسل کی اہمیت نیز پنجہ اور دسہ سِلہ(نظام ِ اخلاق) پر روشنی ڈالیں۔	سوال نمبر 2:
پیش (20)	مسیحی عقائد کو تفصیلاً بیان کر کے سینٹ پال کی ان عقائد میں ترمیمی خدمات کریں ۔	سوال نمبر 3:
(20)	ریں ہندومت کے مقدس الٹریچر کو تفصیلاً بیان کریں۔	سوال نمبر4:
رم) (20)	ہندومت کے طبقاتی نظام (Caste System) اور زندگی گزارنے کے مختلف مراحل (اشر کی وضاحت پیش کریں ۔	سوال نمبر5:
(20) - 0	مسیحیت کے عقائد پر مختصر روشنی ڈال کر ، عقیدہ کفارہ کی وضاحت پیش کریا	سوال نمبر 6:
كى (20)	یېودیت کا تعارف اور بنیادی عقائد (Thirteen Principles of Moses Bin Mammon) که	سوال نمبر 7:
(20)	و ۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔	سوال مبر 8:

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TIME ALLOWED: THREE HOURS

FEDERAL PUBLIC SERVICE COMMISSION COMPETITIVE EXAMINATION-2023 FOR RECRUITMENT TO POSTS IN BS-17 UNDER THE FEDERAL GOVERNMENT

Roll Number

MAXIMUM MARKS = 20

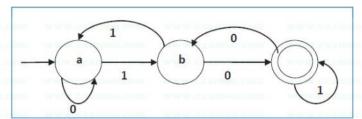
COMPUTER SCIENCE, PAPER-I

PART-I (MCQS)

PART-I(M	CQS	S): MAXIMUM 30 MINUTES PA	RT-II	MAXIMUM MARKS = 8	,O	
NOTE: (i) (ii)	A	art-II is to be attempted on the separate Auttempt ONLY FOUR questions from P	ART-II, by selecting	ΓWO questions from EAC	СН	
(iii)) Al	CCTION. ALL questions carry EQUAL ll the parts (if any) of each Question muaces.		e place instead of at differe	ent	
(iv) (v)) W No	rite Q. No. in the Answer Book in accord to Page/Space be left blank between the accordence crossed.	nwershing comment www.e		ust	
(vi)	Ez	xtra attempt of any question or any part o	f the question will not	be considered.		
www.examoo.	com	PART	-II xamoo.com www.e	xamoo.com www.examoo.com	n	
		SECTION SECTIO	N-A			
Q. No. 2.	(a)	Write a detailed note on any 03 Superworld. List key characteristics in each care		gies being used in the ((8)	
	(b)	What performance metrics are used to Discuss.	analyze the capacity	of Super Computers? ((6)	
	(c)	Discuss the role of Web Crawling, In Engine.	dexing & Searching o	perations for a Search ((6)	
Q. No. 3.	(a)	How does dynamic memory allocation program? Clarify yours understanding the	0 1 0	eramon come www.eramon.com	(8)	
	(b)	Write a note on the use of overloaded op	erators. Discuss with e	xamples.	(6)	
	(c)	What is bit twiddling? Give brief descrip	tion.	xamoo.com www.examoo.con	(6)	
	còú com	www.examoo.com www.examoo.com www.examoo.com www.examoo.com www.examoo.com www.examoo.com www.examoo.com www.examoo.com		xamoo.com www.examoo.com xamoo.com www.examoo.com	,	
Q. No	(a)	What is Polymorphism? Explain Ad-Ho & Subtyping with suitable coding exam		metric Polymorphism ((8)	
	(b)	Discuss Late Binding with a short progra	am.	examoo.com www.examoo.co	(6)	
	(c)	Differentiate between Abstraction & En	capsulation.	examoo.com www.examoo.com	(6)	
		SECT	ION-B			
Q. No. 5.	(a)	For analyzing an Algorithm theoretical Input size, unit of time & order of granthematical equations.			(8)	
	(b)	Briefly describe the four types of asymptotic behavior of an algorithm.	analysis we may per	rform to evaluate the ((6)	
	(c)	Evaluate order of growth of the func which one has higher, same or lower or	•	•	(6)	
		I. $n(n+1)$ and $2000n^2$ III. $\log^2 n$ and $\ln n$ V. $(n-1)!$ and $n!$	II. $100n^2$ and 0.01 IV. 2^{n-1} and 2^n	n^3		
Q. No. 6.	(a)	Discuss the architecture of aspect-orien	ted system.		(8)	
	(b)	Briefly discuss the motivation for aspec	ct-oriented programmir	ng.	(6)	
	(c)	Briefly describe 05 agile software deve	lopment frameworks.	examoo.com www.examoo.com	(6)	

COMPUTER SCIENCE, PAPER-I

- Q. No. 7. (a) Design and draw a finite automaton to recognize the regular language of all strings that contain the string '001' as a substring. (8)
 - (b) Consider the following state diagram and extract the standard information, i.e., Q, Σ , q₀, F and δ .



(c) How would you optimize a loop? Describe the techniques briefly.

(6)

Q. No. 8. (a) Discuss the role of Syntax Tree in representing formal text structure. Develop a Syntax Tree structure for the following piece of code:

while
$$b \neq 0$$

if $a > b$
 $a = a - b$;
else
 $b = b - a$;
return a;

- (b) Describe your understanding on Constant Folding using a brief pseudo code. (6)
- (c) What is an Optimization problem? What are its 02 general categories? Write down mathematical representation of a standard optimization problem.

Page 2 of 2



Roll Number

Se su	200		COM	IPUTER SCI	<u>ENCE, PAPER-</u>	<u>II</u>		
TIME PART			THREE HO		PART-I (MCQS) PART-II	MAXIMUM MA MAXIMUM MA		
NOTE	(ii) (iii) (iv) (v)	Attempt ALL que All the pa Candidate No Page/	ONLY FOUR questions carry EQU arts (if any) of ea e must write Q. N Space be left blan	UAL marks. ch Question must No. in the Answer nk between the ar	RT-II by selecting To be attempted at one p Book in accordance waswers. All the blank p	WO questions from EACH lace instead of at different point Q. No. in the Q.Paper. ages of Answer Book must n will not be considered.	places.	
				PART – II	(SECTION – A)			
Q. 2.	(a) (b)	chip w Consid	hereas ROMs a der a dynamic	re usually organ RAM that mus	nized with multiple b t be given a refresh	nized as only one bit per bits per chip. cycle 64 times per ms. e requires 250 ns. What	(7)	
	(c)	In the			rating time must be g he distinction betw	given to refreshes? een parallel access and	(6)	(20
Q. 3.	(a)	million	n packets/sec. I	f a route from s	-	ne load offered to it is 1.5 contains 10 routers, how (s?	(7)	
	(b)	you th	ink the option i	•	ch fragment, or is it	as to be fragmented. Do sufficient to just put it in	(7)	
	(c)	service				nich connection-oriented r which connection-less	(6)	(20
Q. 4.	(a)	selecto multip	or channel suppolexor channel talls connected to Disk drive 800	has two magn has two line o it. Assume the O Kbytes/s drive 200 Kbyt 6 Kbytes/s	etic disk and two no printers, two card following transfer ra	ultiplexor channel. Each nagnetic tape units. The readers, and ten VDTs ates.		
	(b)	Considerate to the	ate the maximum der a program to	m aggregate I/O hat access a single. Show that the		system. ompare un- buffered I/O duce the running time by	(8)	(20
Q. 5.	(a)	for I/O Suppo little p	O than using the se a short term processor time	he processor. A scheduling algorithm the recent p	processor-bound porithm favors those ast. Explain why the	spend more time waiting program is the opposite. programs that have used his algorithm favors I/O cessor time to processor-	(10)	

Page 1 of 2

Suppose that instead of using 16-bits for the network part of a class B address (5) originally, 20 bits had been used. How many class B networks would there have

What is the distinction between instruction-level parallelism and machine (5) (20)

bound programs?

been?

parallelism?

(c)

COMPUTER SCIENCE, PAPER-II

(SECTION – B)

Q. 6.	(a)	examples using a1. Compoun2. Range sea3. Set members	ny database schem d Comparison Sea arch condition (BE bership search cond	a of your choice:	www.examoo.com www.ee	(12)	Leom Leom
	(b)		operty of a transac	`	www.examoo.com www.e	(4)	
	(c)		e dependency usin			\ /	(20)
	(0)	Explain Transitiv	c dependency dsm	ig any example.		(ד)	(20)
Q. 7.	(a)	the number of accomplished in	bits transmitted packets consisting	per second. Ger	the baud rate, defined as nerally, transmission is e (8 bits) of information,	examo) com a.com a.com
			inutes would it tak ls using a 56k baud		24 ×1024 image with 256		
		•	-		entative speed of a phone		
			subscriber line) co	-	mative speed of a phone		
		DSE (Digital	subscriber fine) eo	inicetion:			
	(b)			e lower-order bit p	lanes have on the	(5)	
	an ₍₋₎ com	histogram of an i				(5)	(20)
	(c)	planes instead?	ne effect on the his	togram 11 we set to	zero the higher order bit	(5)	(20)
Q. 8.	(a)	How SEO impro	oves your website	traffic? Explain	with proper reasons and	(8)	
		coding examples.	www.examoo.com				
	(b)				ith the customer and you What pricing factors you	` '	
	(c)	consider to estim Write the jQuery jQuery		ments up and down	n. Use HTML, CSS, and	(4)	(20)
		3 (

						2	
						age 2	<u>ot 2</u>

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Roll Number

CONSTITUTINAL LAW

	ALLOWED: THREE HOURS -I(MCQS): MAXIMUM 30 MINUTES	PART-I (MCQS) PART-II	MAXIMUM MARKS MAXIMUM MARKS	
NOTE	(ii) Part-II is to be attempted on the separt (ii) Attempt ONLY FOUR questions from (iii) All the parts (if any) of each Question places.	n PART-II. ALL ques	_	
www.	(iv) Write Q. No. in the Answer Book in action(v) No Page/Space be left blank between be crossed.	the answers. All the bl	ank pages of Answer Bool	k must
W W W	(vi) Extra attempt of any question or any p	part of the question will	l not be considered.	2m00.co
	PAI	RT – II		
Q. 2.	Discuss the constitutional background Elaborate your answer with special refere	•	1	(20)
Q. 3.	Under the Constitution of Pakistan, 19 proclamation of emergency. Explain the Constitution of 1973.		1	(20)
Q. 4.	Like other democratic countries, the independence of judiciary. Elaborate th judiciary in the British Constitutional La	e important principles		(20)
Q. 5.	To enjoy the protection of law and to inalienable right of every citizen with statement in the light of the Constitution	nout any sort of disc		(20)
Q. 6.	The era of 1954 and 1955 in Pakistan ca Following this, explain the Moulvi Tami		•	(20)
Q. 7.	The Legal Framework Order 2002 was the important features of LFO 2002.	promulgated on 21st A	August, 2002.Enumerate	(20)
Q. 8.	Write notes on any two of the following:		(10 each)	(20)
	(a) Appointment of the Chief	Election Commission	er of Pakistan	

Composition of the Federal Shariat Court

Jurisdiction of the High Court



FEDERAL PUBLIC SERVICE COMMISSION

COMPETITIVE EXAMINATION-2023 FOR RECRUITMENT TO POSTS IN BS-17 UNDER THE FEDERAL GOVERNMENT Roll Number

CRIMINOLOGY

		/	MAXIMUM MARKS	
PART-I(M	CQS): MAXIMUM 30 MINUTES	PART-II	MAXIMUM MARKS	S = 80
NOTE: (i)	Part-II is to be attempted on the separat		www.examoo.com www.	examo
(ii)	1			from
(***)	EACH SECTION. ALL questions car			1 - 6 - 4
(iii)	All the parts (if any) of each Question different places.	n must be attempt	ed at one place instead	or at
(iv)	Write Q. No. in the Answer Book in acc	ordance with O. N	o. in the O.Paper.	
(v)	No Page/Space be left blank between th			Book
	must be crossed.			
(vi)	Extra attempt of any question or any par	rt of the question w	vill not be considered.	examoo
	PART -	- Www.examoo.com		
	SECTIO			
Q. No. 2.	Discuss scope of Criminology as scien	nce dealing with s	tudy of criminal law.	(20)
Q. 110. 2.	forensics and criminal investigation.	with s	tady of eliminar law,	(20)
	com www.cxamoo.com www.cxamoo.com			
Q. No. 3.	Suggest Measures to control robberies/da	acoities and urban s	street criminality in	(20)
	Pakistan?			
	SECTIO	N-II		
Q. No. 4.	How juvenile delinquency can be reduced	ed through instituti	onal role professional	(20)
Q. 1101 II	counseling and increased care?	oa meagn meman	onar rore, proressionar	(20)
	com www.examoo.com www.examoo.com			
Q. No. 5.	What challenges are faced by police in co	ontrolling crime an	d maintaining law and	(20)
	order in the country?			
	SECTION	N-III		
Q. No. 6.	Why crime scene is important for invest	igators? What are	the crime scene search	(20)
Q. 110. 0.	patterns?	igators. What are	and drine seems search	(20)
	com www.examoo.com www.examoo.com			
Q. No. 7.	How international policing and monitoring	ng organizations co	ontrol human	(20)
	trafficking?			
	SECTION	N-IV		
O No O	'Townsian and adicalization at	to maga 41	labal massa assurance	(20)
Q. No. 8.	'Terrorism and radicalization continue t and stability'. Discuss.	to pose threat to g	novai peace, economy	(20)
	www.camma.com			
Q. No. 9.	What is the role of FIA in controlling org	ganized criminality	in Pakistan?	(20)
	*****	***		examoo



COMPETITIVE EXAMINATION-2023 FOR RECRUITMENT TO POSTS IN BS-17 UNDER THE FEDERAL COVERNMENT

ECONOMICS, PAPER-I

UNDER THE FEDERAL GOVERNMENT

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Roll Number

TIME ALLOWED: THREE HOURS	PART-I (MCQS)	MAXIMUM MARKS = 20
PART-I(MCQS): MAXIMUM 30 MINUTES	PART-II	MAXIMUM MARKS = 80

- **NOTE:** (i) Part-II is to be attempted on the separate Answer Book.
 - (ii) Attempt ONLY FOUR questions from PART-II. ALL questions carry EQUAL marks.
 - (iii) All the parts (if any) of each Question must be attempted at one place instead of at different places.
 - (iv) Write Q. No. in the Answer Book in accordance with Q. No. in the Q.Paper.
 - (v) No Page/Space be left blank between the answers. All the blank pages of Answer Book must be crossed.
 - (vi) Extra attempt of any question or any part of the question will not be considered.

PART-II

- Is the slope of an indifference curve at a particular point known as the marginal Q. No. 2. (20)rate of substitution (MRS)? Justify your answer with a graph. If good 1 is a 'neutral', what is its MRS for good 2? Q. No. 3. Define opportunity costs and explain why the economic definition of profit requires that we value all inputs and the outputs at their opportunity cost? Briefly describe the functions of International Monetry Fund (IMF). How does the Q. No. 4. (20)IMF help countries trapped in financial issues? The central bank in a country is responsible for its monetary policy. What are the (20)Q. No. 5. objectives and tools of monetary policy? Use diagrams to explain your answer. What is the theory of liquidity preferences? How does it explain the downward Q. No. 6. slope of the aggregate-demand curve? Use the theory of liquidity preference to explain how a decrease in the money supply affects the aggregate-demand curve in a closed economy. Considering the current economic scenario of our economy, recommend an O. No. 7. (20)effective policy framework that can reduce budget deficit and improve the developmental outlook. Write short notes on any **FOUR** of the following: Q. No. 8. (5 each)
 - www.examoo.com www.examoo.com www.ex
 - b. Draw self-explanatory functions of: MPC, Aggregate demand, Multiplier
 - **c.** Cost minimization by a small firm.
 - d. Two methods of national income accounting.
 - e. Fuel poverty

a. Public Goods

f. Welfare economics



COMPETITIVE EXAMINATION-2023 FOR RECRUITMENT TO POSTS IN BS-17 UNDER THE FEDERAL GOVERNMENT

Roll Number

ECONOMICS, PAPER-II

TIME ALLOWED: THREE HOURS	PART-I (MCQS)	MAXIMUM MARKS = 20
PART-I(MCQS): MAXIMUM 30 MINUTES	PART-II	MAXIMUM MARKS = 80

- NOTE: (i) Part-II is to be attempted on the separate Answer Book.
 - (ii) Attempt ONLY FOUR questions from PART-II. ALL questions carry EQUAL marks.
 - (iii) All the parts (if any) of each Question must be attempted at one place instead of at different places.
 - (iv) Write Q. No. in the Answer Book in accordance with Q. No. in the Q.Paper.
 - (v) No Page/Space be left blank between the answers. All the blank pages of Answer Book must be crossed.
 - (vi) Extra attempt of any question or any part of the question will not be considered.

PART-II

		www.ciamoo.com www.ciam www.ciamoo.com www.ciamoo.com www.ciamoo.com	
Q. No. 2.		is green revolution? How would you explain that it proved an engine of h rather than development?	(20)
Q. No. 3.	Expla	in the difference between growth and development.	(20)
Q. No. 4.		rentiate between appreciation and depreciation of currency and how it affect economy.	(20)
Q. No. 5.	Expla	in the relationship between unemployment and inflation through Philips	(20)
Q. No. 6.	Diffe	rentiate between Absolute advantage and comparative advantage.	(20)
Q. No. 7.		comparative advantage becomes the basis of international trade between the ations.	(20)
Q. No. 8.	Write	short notes on any TWO of the following: (10 each)	(20)
	(i)	Globalization and economic growth and development.	
	(ii)	Social media and its merits and demerits on Pakistan society and economy.	
	(iii)	Factor of productions and two sectors flow diagram of economy.	
		www.examoo.com www.examoo.com www.examoo.com www.examoo.com www.ex	



FEDERAL PUBLIC SERVICE COMMISSION COMPETITIVE EXAMINATION-2023

Roll Number

FOR RECRUITMENT TO POSTS IN BS-17 UNDER THE FEDERAL GOVERNMENT

ENGLISH LITERATURE

TIME ALLOWED: THREE HOURS PART-I (MCQS) MAXIMUM MARKS = 20 PART-I(MCQS): MAXIMUM 30 MINUTES PART-II MAXIMUM MARKS = 80

- NOTE: (i) Part-II is to be attempted on the separate Answer Book.
 - (ii) Attempt ONLY FOUR questions from PART-II. ALL questions carry EQUAL marks.
 - (iii) All the parts (if any) of each Question must be attempted at one place instead of at different places.
 - (iv) Write Q. No. in the Answer Book in accordance with Q. No. in the Q.Paper.
 - (v) No Page/Space be left blank between the answers. All the blank pages of Answer Book must be crossed.
 - (vi) Extra attempt of any question or any part of the question will not be considered.

PART-II

Is happiness possible in modern world? Explain in the light of Russell's The Conquest of Happiness. Explain Jacque Derrida's Deconstruction theory. Do you agree that Deconstruction Q. No. 3. (20)is not destruction? Q. No. 4. What is the title significance of "The Lotus Eater" by Somerset Maugham? (20)Is there a significant relation between language and political thought? Explain rules O. No. 5. (20)of writing a good prose in the light of Orwell's "Politics and the English Language". Discuss emotional conflicts in Paul Morel the protagonist having a stifle Q. No. 6. connection with a tough mother in D.H. Lawrence "Sons and Lovers". "It is we", says Hazlitt, "who are Hamlet". Illustrate with textual examples Hamlet Q. No. 7. (20)as a universal character. Marxists and Sociologists believe literature as an expression of society. Explain Q. No. 8. this statement. Also enlist limitations of Marxist criticism in detail.



Roll Number

ENVIRONMENTAL SCIENCE

TIME ALI PART-I(M	LOWED: THREE HOURS CQS): MAXIMUM 30 MINUTES	PART-I (MCQS) PART-II	MAXIMUM MARKS MAXIMUM MARKS	
NOTE: (i) (ii) (iii)	1 1	n PART-II. ALL qu	3 -	
(v)	Write Q. No. in the Answer Book in ac No Page/Space be left blank between must be crossed.	the answers. All the	e blank pages of Answer	Book
(vi)	Extra attempt of any question or any p	part of the question w	ill not be considered.	xamoo. xamoo.
	PAR	T-II		
Q. No. 2.	Discuss in detail the salient features of l	Pakistan environmen	tal protection act 1997.	(20)
Q. No. 3.	Discuss in detail the climate mitigation the climate change risk index of Pakista	*	tegies keeping in view	(20)
Q. No. 4.	What are the effects of Environmen Diversity? Explain in detail.	tal Pollution and H	abitat loss on Global	(20)
Q. No. 5.	What are sustainable approaches for sol	id waste managemen	t?	(20)
Q. No. 6.	What are the main causes of Biodiversity?	sity loss? How can w	ve protect and preserve	(20)
Q. No. 7.	What is sustainable development? Describe with protecting the environment?	cribe its goals and wh	ny it is often associated	(20)
Q. No. 8.	Write notes on any TWO of the following	ng:	(10 each)	(20)
	(i) Kyoto Protocol(ii) Geographic Information(iii) Occupational Health and	C		
	****	****		



Roll Number

EUROPEAN HISTORY

TIME ALI PART-I(M	LOWED: THREE HOURS CQS): MAXIMUM 30 MINUTES	PART-I (MCQS) PART-II	MAXIMUM MARKS MAXIMUM MARKS	
	1 1	from PART-II by searry EQUAL marks. ion must be attempt eccordance with Q. No	ed at one place instead . in the Q.Paper.	of at
(vi)		art of the question wi	ll not be considered.	amoo. amoo
	PAR'SECT	<u>Γ – II</u> ION-I		
Q. No. 2.	What was the continental system and 1806? Why did he fail? Explain.	why did Napoleon	try to enforce it after	(20)
Q. No. 3.	Discuss the attempts made by Metter between 1815 to 1848. Why did revolut			(20)
Q. No. 4.	"Thirty lost years" Is this a fair assess (1825-1855)? Give reasons.	sment of the reign of	f Nicholas I of Russia	(20)
Q. No. 5.	"Italy was unified by improvisat comprehensively.	ion rather than o	calculation". Analyze	(20)
	SECT	ION-II		
Q. No. 6.	Why did the European war of 1939 be to support your answer.	come the World War	of 1941? Give reasons	(20)
Q. No. 7.	The soviet invasion on Ukraine in 2022 Analyze the statement with reasons.	2 is the beginning of a	another era of cold war.	(20)
Q. No. 8.	Write comprehensive notes on any TW(a) Foreign policy of Bismarck bet(b) Problems of Habsburg Monarch	ween 1871 to 1890.	(10 each)	(20)

United Nations succeeded in peace keeping but not quite. Analyze.

(c)



Roll Number

GENDER STUDIES

W.C.A.BHINNI.L.	LOWED: THREE HOURS ICQS): MAXIMUM 30 MINUTES	PART-I (MCQS) PART-II	MAXIMUM MARKS = : MAXIMUM MARKS =	
NOTE: (i))UAL
(ii		uestion must be atten	mpted at one place instead	d of at
(iv	w) Write Q. No. in the Answer Boo	ok in accordance wi	th Q. No. in the Q.Paper.	
(v	, 2 1	etween the answers.	All the blank pages of A	nswer
w.examoo.co	Book must be crossed.	com www.examoo.co	om: www.examoo.com ww	rw.exa
(v)	i) Extra attempt of any question of	or any part of the que	estion will not be consider	ed.
	<u>P</u> 2	ART-II		
Q. No. 2.	Write a note on status of gender autonomy verses integration deba		•	(20
Q. No. 3.	Differentiate between gender stude the multidisciplinary nature of ge		tudies. Discuss in detail	(20
Q. No. 4.	Define the terms masculinity at traditional gender roles come from		your opinion where do	(20
Q. No. 5.	Outline and explain the three m West. Discuss the influence of Pakistan.	2		(20
Q. No. 6.	Write a detailed note on the color	nial and capitalistic 1	perspectives of gender.	(20
Q. No. 7.	Elucidate the current health stat could be taken to improve the arguments with suitable examples	women's status as a		(20
Q. No. 8.	Define gender based violence. I women in Pakistan and devise			(20

helpful in the eradication of gender based violence from our society.



FEDERAL PUBLIC SERVICE COMMISSION **COMPETITIVE EXAMINATION-2023**

FOR RECRUITMENT TO POSTS IN BS-17 UNDER THE FEDERAL GOVERNMENT

Roll Number

GEOGRAPHY

	LOWED: THREE HOURS CQS): MAXIMUM 30 MINUTES	PART-I (MCQS) PART-II	MAXIMUM MARK MAXIMUM MARK	
(ii) EA (iii) diff (iv) (v)	st be crossed.	from PART-II by security EQUAL marks. tion must be attempt accordance with Q. No the answers. All the	ted at one place instead to in the Q.Paper. to blank pages of Answer	d of at
	LOOM WAVE EXAMON COM WAVE EXAMEN COM	<u>T – II</u> ION – I		
Q. No. 2.	Differentiate between global warming causes and effects of ozone depletion a		Briefly describe the	(20)
Q. No. 3.	Discuss the processes of wind-driven water. How are surface oceanic current			(20)
Q. No. 4.	Describe the formation of a floodplain oxbow lakes, and backswamps produce		rraces, natural levees,	(20)
Q. No. 5.	What is subduction zone? How does formation of the Andes mountain range	• •	tectonics explain the	(20)
	SECT	TION – II		
Q. No. 6.	What is commercial farming? Discus region of Russia-Ukraine in producing wheat in the global food market.			(20)
Q. No. 7.	Describe least cost industrial location factors of industrial location, particular	•	<u> </u>	(20)
Q. No. 8.	Distinguish between material and Discuss cultural traits of nomadic cultural		ements of culture.	(20)



FEDERAL PUBLIC SERVICE COMMISSION **COMPETITIVE EXAMINATION-2023**

FOR RECRUITMENT TO POSTS IN BS-17 UNDER THE FEDERAL GOVERNMENT

Roll Number

GEOGRAPHY

	LOWED: THREE HOURS CQS): MAXIMUM 30 MINUTES	PART-I (MCQS) PART-II	MAXIMUM MARK MAXIMUM MARK	
(ii) EA (iii) diff (iv) (v)	st be crossed.	from PART-II by security EQUAL marks. tion must be attempt accordance with Q. No the answers. All the	ted at one place instead to in the Q.Paper. to blank pages of Answer	d of at
	LOOM WAVE EXAMON COM WAVE EXAMEN COM	<u>T – II</u> ION – I		
Q. No. 2.	Differentiate between global warming causes and effects of ozone depletion a		Briefly describe the	(20)
Q. No. 3.	Discuss the processes of wind-driven water. How are surface oceanic current			(20)
Q. No. 4.	Describe the formation of a floodplain oxbow lakes, and backswamps produce		rraces, natural levees,	(20)
Q. No. 5.	What is subduction zone? How does formation of the Andes mountain range	• •	tectonics explain the	(20)
	SECT	TION – II		
Q. No. 6.	What is commercial farming? Discus region of Russia-Ukraine in producing wheat in the global food market.			(20)
Q. No. 7.	Describe least cost industrial location factors of industrial location, particular	•	<u> </u>	(20)
Q. No. 8.	Distinguish between material and Discuss cultural traits of nomadic cultural		ements of culture.	(20)



Roll Number

GOVERNANCE AND PUBLIC POLICIES

TIME ALLOWED: THREE HOURS PART-I (MCQS) MAXIMUM MARKS = 20**PART-I(MCQS):** MAXIMUM MARKS = 80 **MAXIMUM 30 MINUTES PART-II**

NOTE: (i) Part-II is to be attempted on the separate Answer Book.

- Attempt ONLY FOUR questions from PART-II. ALL questions carry EQUAL marks.
- (iii) All the parts (if any) of each Question must be attempted at one place instead of at different places.
- (iv) Write Q. No. in the Answer Book in accordance with Q. No. in the Q.Paper.
- No Page/Space be left blank between the answers. All the blank pages of Answer Book must be crossed.
- Extra attempt of any question or any part of the question will not be considered.

PART-II

- O. 2. Theories of Governance provide an intellectual base to formulate sound Public Policies. In this (20)context, elaborate:-
 - (a) What are the Governance Theories more applicable to developing countries like Pakistan and how those could be applied?
 - (b) How would you differentiate between Classical and New Public Administration approach? Relate those with Postmodern Public Administration relevant to Pakistan?
- What is Good Governance and how it is different in Private and Public Sectors? Elaborate seven Q. 3. (20)good Governance Indicators. Also indicate where Pakistan stands in those indicators.
- Quaid-e-Azam M. A. Jinnah viewed governance as mechanism for social justice and fair play to Q. 4. (20)all; in that context explain:
 - (a) What was his vision of governance in Pakistan and how he intended to implement it?
 - (b) What was his approach towards functioning of the State Institutions in relation with matters of Legislative, Executive and Judiciary?
- There has been fluctuating (declining mostly) economic growth of Pakistan especially since Q. 5. (20)1990s, adversely impacting governance and social development. In this context, answer the following:
 - (a) How Incompatible Economic Growth has impacted the middle and poor segment of the society? Relate it with governance issues.
 - (b) What kind of Financial Discipline do you suggest for Pakistan including accountability and safeguards against malpractices?
- Equality and fair-play in socio-political activities form the basis of Islamic Philosophy of Q. 6. Governance and public administration. In this context, elaborate:
 - (a) What obligations, Islamic Concept of Governance and Public Services place on the Public Servants?
 - (b) How personal accountability impacts community growth and social order in character and integrity?
- What do you understand of Ethics in politics? How public policies become an instrument of O. 7. (20)political gains by those in power especially in countries like Pakistan? Under the situation of political tug of war, what roles do you idealize for the civil servants to keep the public interest at forefront?
- Write short notes on any five of the following: O. 8. (4 each) (20)
 - (a) Distinctive features of Governance, Administration and Management.
 - (b) Reforms and restructuring required in civil bureaucracy of Pakistan
 - (c) Success criteria of local governments for Pakistan including political restructuring.
 - (d) Public Policies in dealing with the World Bank and IMF, lessons for the developing countries
 - (e) Merits, demerits and choice of Privatization, Deregulations and Liberalization in Pakistan.
 - (f) Success factors for Public-Private Partnerships in the scenario of Pakistan
 - (g) Presidential versus Parliamentary form of government in Pakistan



Roll Number

HISTORY OF PAKISTAN & INDIA

TIME ALLOWED: THREE HOURS PART-I (MCQS) MAXIMUM MARKS = 20PART-I(MCQS): MAXIMUM 30 MINUTES **PART-II** MAXIMUM MARKS = 80NOTE: (i) Part-II is to be attempted on the separate Answer Book. (ii) Attempt ONLY FOUR questions from PART-II. ALL questions carry EQUAL marks. (iii) All the parts (if any) of each Question must be attempted at one place instead of at different places. (iv) Write Q. No. in the Answer Book in accordance with Q. No. in the Q.Paper. No Page/Space be left blank between the answers. All the blank pages of Answer Book must be crossed. Extra attempt of any question or any part of the question will not be considered. (vi) **PART-II** Q. No. 2. Write a detailed note on the public administration under Muslim rule in (20)India. Critically examine the origin and growth of the East India Company as an (20)O. No. 3. imperialist power in India. Give an historical account of the growth of Hindu nationalism during 1858-O. No. 4. (20)Evaluate the causes and effects of the Khilafat Movement on the Muslim Q. No. 5. (20)struggle for independence. Discuss the outcomes of the three sessions of the Round Table Conference. (20)O. No. 6. Q. No. 7. Critically evaluate the role of political parties in the separation of East (20)Pakistan in 1971. Q. No. 8. Write short notes on any TWO of the following. (10 each) (20)a) Kargil War

b) 1984 Referendum

c) Allahabad Address 1930



COMPETITIVE EXAMINATION-2023 FOR RECRUITMENT TO POSTS IN BS-17 UNDER THE FEDERAL GOVERNMENT Roll Number

HISTORY OF USA

TIME ALLOWED: THREE HOURS	PART-I (MCQS)	MAXIMUM MARKS = 20
PART-I(MCQS): MAXIMUM 30 MINUTES	PART-II	MAXIMUM MARKS = 80

- NOTE: (i) Part-II is to be attempted on the separate Answer Book.
 - (ii) Attempt ONLY FOUR questions from PART-II ALL questions carry EQUAL marks.
 - (iii) All the parts (if any) of each Question must be attempted at one place instead of at different places.
 - (iv) Write Q. No. in the Answer Book in accordance with Q. No. in the Q.Paper.
 - (v) No Page/Space be left blank between the answers. All the blank pages of Answer Book must be crossed.
 - (vi) Extra attempt of any question or any part of the question will not be considered.

PART-II

Q. No. 2. Discuss the role & significance of geopolitical features of Northwest Passage and Middle Passage in shaping the history of the US. O. No. 3. Why did President Andrew Jackson sign the Indian Removal Act for the exchange of land? Elaborate with rational arguments. O. No. 4. How the nativist thoughts formed the Know-Nothing political party and became a strong public voice in US? Explain with examples. Discuss in detail the mainstream agenda of Theodore Roosevelt's domestic-level Q. No. 5. Square Deal program. Discuss in detail how the Iroquoian people and their cultural traits are associated Q. No. 6. with early American history. O. No. 7. How the strict-constructionist ideas of Jefferson and the loose-constructionist thoughts of Hamilton created major debates in domestic US politics? Provide comprehensive arguments. Q. No. 8. Write short notes on any TWO of the following; (10 each) (20)Missionary Diplomacy (a) New Nationalism (b) Border Ruffians (c)



PART-I(MCQS):

FEDERAL PUBLIC SERVICE COMMISSION **COMPETITIVE EXAMINATION-2023**

FOR RECRUITMENT TO POSTS IN BS-17 UNDER THE FEDERAL GOVERNMENT

INTERNATIONAL LAW

TIME ALLOWED: THREE HOURS PART-I (MCQS) MAXIMUM MARKS = 20

Roll Number

MAXIMUM MARKS = 80

MAXIMUM 30 MINUTES NOTE: (i) Part-II is to be attempted on the separate Answer Book.

- (ii) Attempt ONLY FOUR questions from PART-II. ALL questions carry EQUAL marks.
- (iii) All the parts (if any) of each Question must be attempted at one place instead of at different places.

PART-II

- (iv) Write Q. No. in the Answer Book in accordance with Q. No. in the Q.Paper.
- (v) No Page/Space be left blank between the answers. All the blank pages of Answer Book must be crossed.
- Extra attempt of any question or any part of the question will not be considered. (vi)

PART - II

- "States continue to be the principal subjects of international legal relations but non-Q. No. 2. (20)state entities to exert a great deal of influence on the legal system". Examine the statement with reference to rights and duties of international organizations under the law.
- O. No. 3. Territory is undoubtedly the basic characteristic of a state as well as the most widely accepted and understood – elaborate with reference to the exclusive rights of states on land and air territory.
- Q. No. 4. Does the customary International Law grant the right to use force to a state in (20)response to a terrorist attack on it? Substantiate your answer by arguing from Article 51 and Paragraph 4 of the Article 2 of the UN Charter and other recent examples in this regard.
- Define treaty according to Vienna Convention on the law of treaties 1969 and O. No. 5. explain the following:
 - Nature of relationship of a state with an individual
 - (ii) Territorial and Extra-Territorial asylum
 - (iii) The Nottebohm Case
- Q. No. 6. According to Austin's laws "properly so-called" are the commands of a sovereign, and "International Law is no law, it is only positive morality". In Fitzmaurice view, "a necessary characteristic of any system of law, "properly so-called" is its enforceability, and "international law possesses that characteristic, even if only in a rough and rudimentary form." In the light of the above statements, discuss the true nature of international law while taking into account the development that have taken place after the Second World War
- What are the constituent elements of international responsibility? Also discuss the Q. No. 7. (20)forms of reparation for the breach of an obligation by a State with the help of relevant provisions of the Draft Code of International Law Commission on Responsibility of States for Internationally Wrongful Acts, 2001.
- The International Court of Justice (ICJ) has no so-called compulsory jurisdiction. Q. No. 8.
 - (a) Explain under what circumstances the ICJ has jurisdiction to settle an inter- (10) state dispute.
 - (b) Explain whether or not in the view of the ICJ its "provisional measures" are (10) (20) binding.



Roll Number

INTERNATIONAL RELATIONS, PAPER-I

TIME ALL PART-I(M	LOWED: THREE HOURS CQS): MAXIMUM 30 MINUTES	PART-I (MCQS) PART-II	MAXIMUM MARKS MAXIMUM MARKS	
NOTE: (i) (ii) (iii) (iv) (v) mus (vi)	places. Write Q. No. in the Answer Book in ac No Page/Space be left blank between	must be attempted at accordance with Q. Non the answers. All the	one place instead of at di in the Q.Paper. e blank pages of Answer	fferen
	PAF	RT-II		
Q. No. 2.	Discuss the main principles of Constructivism			(20)
Q. No. 3.	What are the best policy options to deal	with asymmetrical w	arfare?	(20)
Q. No. 4.	Role of IMF in developing countries is are some positive and negative implicat			(20)
Q. No. 5.	Discuss the significance of IAEA. Oppoliferation.	Critically evaluate its	s role in nuclear non-	(20)
Q. No. 6.	Do you think global power structure contours of big powers strategic realign	1 0 0	ansition? What are the	(20)
Q. No. 7.	Discuss the concept of state sovereignt interference in International Law?	ry. What are the majo	r arguments about non-	(20)
Q. No. 8.	Does China's rise challenge the global on Balance of Power Politics?	political system? Wh	hat are the implications	(20)
	****	****		



COMPETITIVE EXAMINATION-2023 FOR RECRUITMENT TO POSTS IN BS-17 UNDER THE FEDERAL GOVERNMENT Roll Number

INTERNATIONAL RELATIONS, PAPER-II

TIME ALL PART-I(MO	OWED: THREE HOURS CQS): MAXIMUM 30 MINUTES	PART-I (MCQS) PART-II	MAXIMUM MARKS MAXIMUM MARKS	
NOTE: (i) (ii) (iii) (iv) (v)	Part-II is to be attempted on the separ Attempt ONLY FOUR questions from All the parts (if any) of each Question places.	m PART-II. ALL que must be attempted at coordance with Q. No the answers. All the	one place instead of at difference in the Q.Paper. be blank pages of Answer	fferen
	PAR	RT-II		
Q. No. 2.	John Mearsheimer blames the United do you assess this crisis? Support yo from the conflict scenarios.			(20)
Q. No. 3.	What are the various strands of the Inc What are the options for Pakistan to d the Indo-pacific region?			(20)
Q. No. 4.	Write a detailed note on evolving do the wake of U.S. withdrawal from Pakistan's foreign policy towards Afgl	the country. Disci		(20)
Q. No. 5.	Pakistan is reckoned among the top change. What urgent policy measure climate effects?	-		(20)
Q. No. 6.	Pakistan has affirmed its commitmed Development Goals (SDGs). How me what are the challenges that Pakistan f	nodest is Pakistan's	progress on SDGs and	(20)
Q. No. 7.	How has India's scrapping of its congrants special status to the Indianstanding of Kashmir dispute?			(20)
Q. No. 8.	How are international financial instogranizations used as tool of coercic Pakistan to safeguard their interests?			(20)



COMPETITIVE EXAMINATION-2023 FOR RECRUITMENT TO POSTS IN BS-17 UNDER THE FEDERAL GOVERNMENT

ISLAMIC HISTORY & CULTURE

Roll Number

	OWED: THREE HOURS CQS): MAXIMUM 30 MINUTES	PART-I (MCQS) PART-II	MAXIMUM MARKS MAXIMUM MARKS	
(iii)	Part-II is to be attempted on the set Attempt ONLY FOUR questions from EACH SECTION. ALL questions All the parts (if any) of each Quest different places. Write Q. No. in the Answer Book is	rom PART-II by set as carry EQUAL mation must be attempt	lecting TWO questions rks. ted at one place instead	
(v) (vi)	No Page/Space be left blank betwee Book must be crossed. Extra attempt of any question or ar		www.examoo.com ww	
ww.examoo.com ww.examoo.com	PAR	T-II	www.examoo.com ww	vw.exam
	SECT	ION-I		
Q. No. 2.	"Treaty of Hudaybiyyah is a master Prophet "". Argue this statement with the statement will be statement with the statement win			(20)
Q. No. 3.	Derive Islamic principles of election the Rightly Guided Caliph Usmān	_	s of the selection of	(20)
Q. No. 4.	Explain the causes and effects of muslims during first three islamic co		and schisms among	(20)
Q. No. 5.	Give an overall comparison betwee Abbās.	en the rule of Banu	Umayyah and Banu	(20)
	SEC	TION-II		
Q. No. 6.	Discuss critically the political role the caliphate of the Abbasids.	and influence of Ba	rmuk family during	(20)
Q. No. 7.	Discuss critically the causes and effe	ects of the end of isl	amic rule in Spain.	(20)
Q. No. 8.	Write a scholarly note on contribution	on of Islam to mode	rn civilization.	(20)
	****	****		



FEDERAL PUBLIC SERVICE COMMISSION COMPETITIVE EXAMINATION-2023

FOR RECRUITMENT TO POSTS IN BS-17 UNDER THE FEDERAL GOVERNMENT Roll Number

JOURNALISM & MASS COMMUNICATION

TIME ALL PART-I(M	OWED: THREE HOURS CQS): MAXIMUM 30 MINUTES	PART-I (MCQS) PART-II	MAXIMUM MARKS = MAXIMUM MARKS =	
NOTE: (i) (ii) (iii) (iv) (v)	places. Write Q. No. in the Answer Book in ac No Page/Space be left blank between the second	n PART-II. ALL que must be attempted at ecordance with Q. No.	one place instead of at diff in the Q.Paper.	fferent
(vi)	be crossed. Extra attempt of any question or any p	art of the question wil	ll not be considered.	
www.examo www.examo	o.com www.examoo.com www.examoo.co	T – II	www.examoo.com www.ex www.examoo.com www.ex	amoo.co
Q. No. 2.	What is social responsibility theory arguments. Also give examples with re-			(20)
Q. No. 3.	The excessive use of mobile phone af Give your opinion with logic and argum		school/college students.	(20)
Q. No. 4.	Explain in detail the code of ethics for i	nedia professionals.		(20)
Q. No. 5.	Elaborate in detail the diffusion and innapplicability in Pakistani society.	novation theory, its mo	erits and demerits and its	(20)
Q. No. 6.	What is development support commudevelopment? Support your answer wit		be helpful for national	(20)
Q. No. 7.	Suppose you are a PRO of Police department of the country.	rtment. Suggest a pla	n and measure to control	(20)
Q. No. 8.	Write notes on any TWO of the following	ng:	(10 each)	(20)
	(a) Press-Government relatives	s in Pakistan		
	(b) PEMRA			
	(c) Role of media in Democrac	y		
	****	****		



COMPETITIVE EXAMINATION-2023 FOR RECRUITMENT TO POSTS IN BS-17 UNDER THE FEDERAL GOVERNMENT Roll Number

LAW

properties of the judgement debtor or there are certain types of property which are exempted from attachment and sale? Discuss. Q. No. 3. Define and distinguish Review and Revision. Q. No. 4. "No one can be allowed to contradict his past statement or action." Elaborate this phrase with reference to the relevant articles of the QSO 1984. Q. No. 5. There are three different types of statements of an accused which can be recorded by a magistrate and a court. One is during investigation and two are during trial. Elaborate these statements and differentiate them with each other. Q. No. 6. When can a Court of Sessions alter the charge? If the charge is altered, what will be the effect of this alteration on the trial proceedings against the accused? Discuss. Q. No. 7. Define and distinguish the offences of Theft, Extortion, Robbery and Dacoity. Give examples to support your answers.	TIME ALI PART-I(M	OWED: THREE HOURS CQS): MAXIMUM 30 MINUTES	PART-I (MCQS) PART-II	MAXIMUM MARKS MAXIMUM MARKS	
(v) No Page/Space be left blank between the answers. All the blank pages of Answer B must be crossed. (vi) Extra attempt of any question or any part of the question will not be considered. PART-II Q. No. 2. Can an executing court attach and sell all kinds of moveable and immoveable properties of the judgement debtor or there are certain types of property which are exempted from attachment and sale? Discuss. Q. No. 3. Define and distinguish Review and Revision. Q. No. 4. "No one can be allowed to contradict his past statement or action." Elaborate this phrase with reference to the relevant articles of the QSO 1984. Q. No. 5. There are three different types of statements of an accused which can be recorded by a magistrate and a court. One is during investigation and two are during trial. Elaborate these statements and differentiate them with each other. Q. No. 6. When can a Court of Sessions alter the charge? If the charge is altered, what will be the effect of this alteration on the trial proceedings against the accused? Discuss. Q. No. 7. Define and distinguish the offences of Theft, Extortion, Robbery and Dacoity. Give examples to support your answers. Q. No. 8. Write notes on the following: (a) Power of court to appoint or remove arbitrators (b) Arbitration in suits	(ii)	Attempt ONLY FOUR questions from All the parts (if any) of each Question	n PART-II. ALL que		
PART-II Q. No. 2. Can an executing court attach and sell all kinds of moveable and immoveable properties of the judgement debtor or there are certain types of property which are exempted from attachment and sale? Discuss. Q. No. 3. Define and distinguish Review and Revision. Q. No. 4. "No one can be allowed to contradict his past statement or action." Elaborate this phrase with reference to the relevant articles of the QSO 1984. Q. No. 5. There are three different types of statements of an accused which can be recorded by a magistrate and a court. One is during investigation and two are during trial. Elaborate these statements and differentiate them with each other. Q. No. 6. When can a Court of Sessions alter the charge? If the charge is altered, what will be the effect of this alteration on the trial proceedings against the accused? Discuss. Q. No. 7. Define and distinguish the offences of Theft, Extortion, Robbery and Dacoity. Give examples to support your answers. Q. No. 8. Write notes on the following: (a) Power of court to appoint or remove arbitrators (b) Arbitration in suits ***********************************		No Page/Space be left blank between			r Book
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phrase with reference to the relevant articles of the QSO 1984. Q. No. 5. There are three different types of statements of an accused which can be recorded by a magistrate and a court. One is during investigation and two are during trial. Elaborate these statements and differentiate them with each other. Q. No. 6. When can a Court of Sessions alter the charge? If the charge is altered, what will be the effect of this alteration on the trial proceedings against the accused? Discuss. Q. No. 7. Define and distinguish the offences of Theft, Extortion, Robbery and Dacoity. Give examples to support your answers. Q. No. 8. Write notes on the following: (a) Power of court to appoint or remove arbitrators (b) Arbitration in suits	Q. No. 3.	Define and distinguish Review and Rev	vision.		(20)
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examples to support your answers. Q. No. 8. Write notes on the following: (a) Power of court to appoint or remove arbitrators (b) Arbitration in suits ***********************************	Q. No. 6.		_		(20)
(a) Power of court to appoint or remove arbitrators(b) Arbitration in suits	Q. No. 7.		Theft, Extortion, Rob	bery and Dacoity. Give	(20)
(b) Arbitration in suits ***********************************	Q. No. 8.	Write notes on the following:		(10 each)	(20)
*****		(a) Power of court to appoint	or remove arbitrators		
		(b) Arbitration in suits			
		****	****		



COMPETITIVE EXAMINATION-2023 FOR RECRUITMENT TO POSTS IN BS-17 UNDER THE FEDERAL GOVERNMENT

Roll Number

MERCANTILE LAW

	OWED: THREE HOURS CQS): MAXIMUM 30 MINUTES	PART-I (MCQS) PART-II	MAXIMUM MARKS MAXIMUM MARKS	
diffe (iv) (v) mus	erent places. Write Q. No. in the Answer Book in a No Page/Space be left blank between t be crossed.	in PART-II. ALL que tion must be attempt ccordance with Q. No the answers. All the	ed at one place instead . in the Q.Paper. blank pages of Answer	of at
(vi)	Extra attempt of any question or any p	part of the question wi	ll not be considered.	moo.c
	PAR	T-II		
Q. No. 2.	Who is an Unpaid Seller? What are the Sale of Goods act 1930?	his rights against the	Goods, as provided by	(20)
Q. No. 3.	What ideology lays behind the regis 'Articles of Association' as distinct other?			(20)
Q. No. 4.	Discuss the powers of Court, as far rescission of award granted by the ar	•		(20)
Q. No. 5.	What considerations have been Ordinance, for the purpose of recogn			(20)
Q. No. 6.	What is Competition Law? Why it is and functions of Competition Comm		he composition, powers	(20)
Q. No. 7.	In case of unauthorized electronic fu would be determined?	nd transfer by the cor	sumer, how his liability	(20)
Q. No. 8.	Write short notes on following conce a) Contract of Indemnity.	pts of Contract Act 18	372. (5 each)	(20)

b) Contract of Guarantee.c) Contract of Bailment.d) Contract of Agency.



Roll Number

MUSLIM LAW AND JURISPRUDENCE

TIME AL PART-I(N	LOWED: THREE HOURS MCQS): MAXIMUM 30 MINUTES	PART-I (MCQS) PART-II	MAXIMUM MARKS = 3 MAXIMUM MARKS = 8	
di (i (v	Attempt ONLY FOUR questions from i) All the parts (if any) of each Quest fferent places. v) Write Q. No. in the Answer Book in ac) No Page/Space be left blank between ust be crossed.	n PART-II. ALL que tion must be attemp eccordance with Q. No the answers. All the	ted at one place instead of o. in the Q.Paper. e blank pages of Answer Boo	at
	PAR	Γ-II		
Q. No. 2.	The Quran provides Legal validity to oth down in the Quran, the rest of the Sou Discuss.	=	_ `	20)
Q. No. 3.	3Discuss and explain the importance of a discuss the difference between Sunnah and		ce of Islamic law. Also (2	20)
Q. No. 4.	Define Qiyas (Analogy). How does from the texts? What is the difference be			20)
Q. No. 5.	Ijtehad is a necessity where there is no sources of Islamic law. Explain the quality		· · · · · · · · · · · · · · · · · · ·	20)
Q. No. 6.	What are the objects of punishment in Islamic law.	Islam? Also elaborate	e the different kinds of (2	20)
Q. No. 7.	Explain the idea of State sovereignty in head of State under Islamic Law?		e qualifications for the (2	20)
Q. No. 8.	(a) What is your take on the current judge on Riba?	lgment by Federal Sh	ariah Court of Pakistan (10)	
	(b) What are the measures which can Islamic finance in Pakistan?	be taken to showca		20)



Roll Number

PERSIAN

TIME ALLOWED: THREE HOURS PART-I (MCQS) MAXIMUM MARKS = 20 PART-I (MCQS): MAXIMUM 30 MINUTES PART-II MAXIMUM MARKS = 80

NOTE: (i) Part-II is to be attempted on the separate Answer Book.

- (ii) Attempt ONLY FOUR questions from PART-II by selecting TWO questions from EACH SECTION. Answer must be written in respective language except where specified in the question paper. ALL questions carry EQUAL marks.
- (iii) All the parts (if any) of each Question must be attempted at one place instead of at different places.
- (iv) Write Q. No. in the Answer Book in accordance with Q. No. in the Q.Paper.
- (v) No Page/Space be left blank between the answers. All the blank pages of Answer Book must be crossed.
- (vi) Extra attempt of any question or any part of the question will not be considered.

<u>PART – II</u> SECTION – I

سوال نمبر2: از موضوعات زیر دربارهٔ دو به زبان فارسی بنویسید.

۱- روابط ایران و پاکستان

ب- جشن نو روز در کشور های ایران، پاکستان و افغانستان

ج- علامه اقبال شاعر ملی پاکستان

سوال نمبر3: ۱- شبه جمله چیست با امثال توضیح بدهید.

ب- از مصادر مرکب زیر پنج را در جمله ها به کار ببرید.

(10)

ب- از مصادر مرکب زیر پنج را در جمله ها به کار ببرید.

از دست دادن ، آواز خواندن ، به در د خور دن ، تصمیم گرفتن ، دوست داشتن ، درس دادن ، فرا یافتن ، درست کردن.

سوال نمبر 4: تاثیر زبان فارسی بر اردو را مورد بحث قرار دهید.

(20)

سوال نمبر5: متن زير را به فارسى ترجمه كنيد:

(20)

Quaid-i- Azam Mohammad Ali Jinnah was the great democrat. He hated dictatorship and its various forms. He believed in the fundamental rights of every man and woman. He said that every citizen of Pakistan was free to hold his belief, both political and religious. He believed that every person should be free to say what he believes. He told his people to criticize the government officers to behave as servants and not rulers of the country.

SECTION - II

سوال نمبر 6: " فلسفهٔ خودی علامه اقبال" چیست؟ بحث کنید . سوال نمبر 7: متن زیر را به زبان انگلیسی ترجمه کنید .

(20)

مجد بن قاسم فرزند قابل فخر امت مسلمه بود. او نه تنها به وسیلهٔ جهاد در دیار هند سلطه اهل هنود را بخاک یکسان ساخت بلکه وسیله ای به میان آمدن یک کشور اسلامی بنام پاکستان نیز گردید. در قلوب مسلمانان احساس بیدار کرد و آنها را مجبور به قیام در مقابل اهل هنود ساخت و به همین مناسبت آمدن این جنرال جوان به سند برای مسلمانان پاکستان قابل اهمیت و افتخار است. مردم این سپه سالار جوانِ باعزم را از نزدیک دیدند سخنانش را شنیدند و از دل و جان آن را پذیرفتند. و از همین جا دین مقدس اسلام در این منطقه جهان پخش گردید. بابای پاکستان حضرت قایداعظم مجمد علی جناح فرمود: "بنیان پاکستان آن روزی گذاشته شد که مجمد بن قاسم در این سر زمین قدم گذاشت." فاتح سند مجمد بن قاسم در 75 هجری در سر زمین طایف در عربستان سعودی چشم به جهان گشود و در همان منزل ایام طفولیت را سبری نمود.

Page 1 of 2

(الف) بیا که قصر اَمَل سخت سست بنیادست غلام همتِ آنم که زیر چرخ کبود چه گویمت که به میخانه دوش مست و خراب که ای بلندنظر شاهباز سدره نشین

بیار باده که بنیادِ عمر بر بادست ز هر چه رنگِ تعلق پذیرد آزادست سروشِ عالمِ غیبم چه مژدهها دادست نشیمن تو نه این گنج محنت آبادست

(ب) بنمای رخ که باغ و گلستانم آرزوست دی شیخ با چراغ همیگشت گرد شهر گفتند یافت مینشود جستهایم ما گفت آن که زین همرهان سست عناصر دلم گرفت

بگشای لب که قند فراوانم آرزوست کز دیو و دد ملولم و انسانم آرزوست گفت آنکه یافت می نشود آنم آرزوست شیر خدا و رستم دستانم آرزوست

(ح) کسی به فکر گل ها نیست کسی به فکر ماهی ها نیست کسی نمی خواهد کسی نمی خواهد باور کند که باغچه دارد می میرد که قلب باغچه در زیر آفتاب ورم کرده است که ذهن باغچه دارد آرام آرام از خاطرات سبز تهی می شود. و حس باغچه انگار چیزی مجردست که در انزوای باغچه پوسیده ست....

Page 2 of 2



Roll Number

PHILOSOPHY

TIME ALLOWED: THREE HOURS	PART-I (MCQS)	MAXIMUM MARKS = 20
PART-I(MCQS): MAXIMUM 30 MINUTES	PART-II	MAXIMUM MARKS = 80

- **NOTE:** (i) Part-II is to be attempted on the separate Answer Book.
 - (ii) Attempt ONLY FOUR questions from PART-II. ALL questions carry EQUAL marks.
 - (iii) All the parts (if any) of each Question must be attempted at one place instead of at different places.
 - (iv) Write Q. No. in the Answer Book in accordance with Q. No. in the Q.Paper.
 - (v) No Page/Space be left blank between the answers. All the blank pages of Answer Book must be crossed.
 - (vi) Extra attempt of any question or any part of the question will not be considered.

PART-II

Q. No. 2.	How does Ibn-Rushd reconcile Philosophy with Religion? Discuss in detail.	(20)
Q. No. 3.	What is Pragmatism? Discuss Pragmatism as a method with reference to William James.	(20)
Q. No. 4.	Discuss Kant's moral proof for the existence of God.	(20)
Q. No. 5.	Hegelian Philosophy is mainly responsible for the contemporary anti-metaphysical movement (e.g., Logical Positivism). Discuss.	(20)
Q. No. 6.	Discuss the need of principle of movement in the structure of Islam in the Philosophy of Iqbal.	(20)
Q. No. 7.	State and explain the cardinal principles of Leibniz monadology.	(20)
Q. No. 8.	Give critical exposition of Berkeley's doctrine of Esse Est Percipi or "To be is to be perceived".	(20)



Roll Number

PHYSICS, PAPER-I

TIME ALLOWED: THREE HOURS MAXIMUM MARKS = 20PART-I (MCQS) **PART-I(MCQS): MAXIMUM 30 MINUTES PART-II** MAXIMUM MARKS = 80

- NOTE: (i) Part-II is to be attempted on the separate Answer Book.
 - Attempt ONLY FOUR questions from PART-II. ALL questions carry EQUAL marks.
 - (iii) All the parts (if any) of each Question must be attempted at one place instead of at different
 - Write Q. No. in the Answer Book in accordance with Q. No. in the Q.Paper.
 - No Page/Space be left blank between the answers. All the blank pages of Answer Book must be crossed.
 - Extra attempt of any question or any part of the question will not be considered. (vi)
 - Use of Calculator is allowed. (vii)

PART – II

- (a) What is Gradient of a scalar function? Give its physical significance and show (10) Q. 2. that $Grad\varphi = \overrightarrow{\nabla} \cdot \varphi$
 - (b) Define the term 'acceleration' and find its Cartesian components. (06)
 - (04)(c) If $\vec{A} = xz^3\hat{\imath} - 2x^2z\hat{\jmath} + 2yz^4\hat{k}$, then find curl of A at the point (1,-1,1)
- (a) Explain the rotational kinetic energy and determine its formula for a disc, hoop (10) Q. 3. and sphere.
 - What do you mean by the term 'inertia' in physics? Calculate respectively the rotational inertia of a solid cylinder and a hollow cylinder about an axis of symmetry.
 - Calculate the angular speed of the second's hand, minutes hand and hour's hand (04) of a watch.
- What was Physics like before relativity and how did Einstein come up with his (10) O. 4. theory? Mathematically explain how mass and energy is interchangeable?
 - Discuss in detail the relativity of length using Einstein's special theory of relativity.
 - (c) Calculate the mass equivalent of energy from an antenna radiating 10KW for 24 hours.
- Define capillarity and derive an expression for the rise of liquid in a capillary (10) Q. 5. tube to show that the height of the liquid column supported is inversely proportional to the radius of the tube.
 - What are fluids? Write their important characteristics. (06)
 - A cylindrical swimming pool has radius 2m and depth 1.3m. It is filled (04)completely with salt water. Given, density of salt water = $1.03 \times 10^3 \text{kgm}^{-3}$, volume of water = 16.34m^3 , and the atmospheric pressure = $1.013 \times 10^5 \text{Pa}$. Calculate the pressure at the bottom of the pool.

Page 1 of 2

PHYSICS, PAPER-I

Q. 6.	(a)		volume is always			the total energy per ne half the potentia		
	(b)	The	longitudinal waves	s can pass through of such waves wil		oossible and on wha	t (06)	
	(c)					10 ¹⁵ s ⁻¹ . Calculate the quilibrium position.	; (04) ((20)
Q. 7.	(a)	done	on such gas and sl	now that pressure f	orce is non-conserv	Calculate the work vative.	(10) (06)	
	(b) (c)	Oxyg	gen gas having a nded until its vol	ume is 1530cm ³	m ³ at 42°C and a	pressure of 101kPas 106kPa. Find the rature.		(20)
Q. 8.	a	. Kep	rt notes on any TW bler's Law of Perio chelson interferome ang's double slit ex	eter	www.examoo.com	(10 each)	www.exame	(20)
				*****	****			
				www.caamoo.com	www.examoo.com			
						www.examoo.com P	age 2 of 2	00.000

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Roll Number

PHYSICS, PAPER-II

	OWED: THREE HOURS CQS): MAXIMUM 30 MINUTES	PART-I (MCQS) PART-II	MAXIMUM MARKS = 20 MAXIMUM MARKS = 80
NOTE: (i)	Part-II is to be attempted on the separ		
(ii)	Attempt ONLY FOUR questions from	n PART-II. ALL que	stions carry EQUAL marks.
(iii)	All the parts (if any) of each Question 1	must be attempted at o	one place instead of at different
	places.		
(iv)	Write Q. No. in the Answer Book in ac	ccordance with Q. No.	in the Q.Paper.
(v)	No Page/Space be left blank between	the answers. All the	blank pages of Answer Book
vw.examoo.com	must be crossed.		vw.examoo.com www.examoo.com
(vi)	Extra attempt of any question or any p	art of the question wil	ll not be considered.
(vii)	Use of Calculator is allowed.	www.examoo.com wv	vw.examoo.com www.examoo.com

		PART – II		
Q. 2.	A pa	article of mass m is in the state		
		$\psi(x,t) = A e^{-a\left[\left(\frac{mx^2}{h}\right) + it\right]}$		
		ere A and a are positive constants.	v.exam	
	(a)	Find A.	(5)	
	(b)	For what potential energy function $V(x)$ does $\psi(x,t)$ satisfy the Schrodinger equation?	(5)	
	(c)	Calculate the expectation values of x, x^2 , p, and p^2	(5)	
	(d)	Find σ_x and σ_y . Is their product consistent with the uncertainty principle?	(5)	(20)
Q. 3.	(a)	Consider a pair of copper wires 1 mm in diameter and 5 cm apart. In copper the	(8)	
		number of conduction electrons per cubic meter is 8.45 x 10 ²⁸ . Suppose their mean		
	(b)	drift velocity v is 0.3 cm/s, calculate current in each wire. If the wires are 20 cm apart, calculate the magnetic force on the wires.	(8)	
	(c)	Define electric current in a wire with respect to number of charges and their drift	(4)	(20)
	00.C0	velocity.	v.exam	oo.com
Q. 4.		Give expressions for the following quantities in terms of e , h , c , k , m_e and m_p .		
ww.exam	(a)	The energy needed to ionize a hydrogen atom.	(5)	
	(b)	The difference in frequency of the Lyman alpha line in hydrogen and deuterium atoms.	(5)	
	(c)	The magnetic moment of the electron.	(5)	
	(d)	The spread in measurement of the π^0 mass, given that the π^0 lifetime is τ .	(5)	(20)
Q. 5.	(a)	An atom is capable of existing in two states: a ground state of mass M and an	(7)	
		excited state of mass $M + \Delta$. If the transition from ground to excited state		
		proceeds by the absorption of a photon, what must be the photon frequency in the laboratory where the atom is initially at rest?		
	(b)	Derive the energy levels of the hydrogen atom, from Coulomb's law and the	(7)	
	100.00	simple quantization of angular momentum.	(/)	
	(c)	In radio astronomy, hydrogen atoms are observed in which, for example, radiative	(6)	(20)
		transitions from $n = 109$ to $n = 108$ occur. What are the frequency and wavelength of the radiation emitted in this transition?		
ww.exan	ioo.cor		v.exam	
Q. 6.	(a)	Consider the elastic vibrations of a crystal with one atom in the primitive cell and calculate the frequency of an elastic wave in terms of the wavevector that	(12)	
		describes the wave and in terms of the elastic constants.		
	(b)	Describe vibrations of crystal.	(8)	(20)
Q. 7.	(a)	Discuss density of states in Three Dimension	(8)	
ww.exan	(b)	Describe Debye Model for Density of States	(8)	
	(c)	Define phonon heat capacity.	(4)	(20)
Q. 8.	Writ	te Notes on any TWO of the following: (10 each)		(20)
		(a) Maxwell's Equations		
		(b) Magnetic Materials: (Ferro-Dia-Para) (a) Plack Pody Padiation		
		(c) Black Body Radiation		



COMPETITIVE EXAMINATION-2023 FOR RECRUITMENT TO POSTS IN BS-17 UNDER THE FEDERAL GOVERNMENT Roll Number

POLITICAL SCIENCE, PAPER-I

TIME ALL PART-I(MO	OWED: THREE HOURS CQS): MAXIMUM 30 MINUTES	PART-I (MCQS) PART-II	MAXIMUM MARKS = MAXIMUM MARKS =	
www.examo	Part-II is to be attempted on the separ Attempt ONLY FOUR questions from SECTION. ALL questions carry EQU	n PART-II, by select J AL marks.	www.examoo.com www.exa	
(iii)	All the parts (if any) of each Question places.	n must be attempted a	at one place instead of at di	fferen
(iv)	Write Q. No. in the Answer Book in ac			
(v)	No Page/Space be left blank between the crossed.	the answers. All the b	olank pages of Answer Book	x mus
(vi)	Extra attempt of any question or any p	eart of the question wi	ll not be considered.	
	o.com www.eximoo.com www.eximoo.co	m www.examoo.com		
	o com www.examoo.com www.exam os.co	<u>RT-II</u> ΓΙΟΝ-Α		
	o.com www.examoo.com www.e	ITON-A		
Q. No. 2.	Explain Bentham's greatest happiness	s of the greatest numb	er.	(20)
Q. No. 3.	What are Al-Ghazali's pre-requisites	for becoming a Khal	ifa?	(20)
Q. No. 4.	Expound Iqbal's vision for rise of Mu	aslims in South Asia i	n the era of colonialism.	(20)
Q. No. 5.	Write short notes on the following		(10 each)	(20)
	(a) Existentialism is humanis	sm		
	(b) Cogito, ergo sum (I think	t, therefore I am)		
	<u>SI</u>	ECTION-B		
Q. No. 6.	Rights and duties are two facets of the	e same coin Flahorat	www.examoo.com www.cxxamoo.com	(20)
Q. 110. 0.	rights and duties are two facets of the	same com. Liaborat	www.examoo.com www.exa	(20)
Q. No. 7.	In an Islamic state, Islam is consider guidelines for proper management of			(20)
Q. No. 8.	What are salient features of a professi	onal and apolitical bu	reaucracy?	(20)



FEDERAL PUBLIC SERVICE COMMISSION **COMPETITIVE EXAMINATION-2023** FOR RECRUITMENT TO POSTS IN BS-17

UNDER THE FEDERAL GOVERNMENT

POLITICAL SCIENCE, PAPER-II

Roll Number

TIME ALL PART-I(M	OWED: THREE HOURS CQS): MAXIMUM 30 MINUTES	PART-I (MCQS) PART-II	MAXIMUM MARKS MAXIMUM MARKS	
(ii) (iii) (iv)	Part-II is to be attempted on the separ Attempt ONLY FOUR questions for SECTION-A and THREE questions marks. All the parts (if any) of each Question is places. Write Q. No. in the Answer Book in account of the Page/Space be left blank between	from PART-II by so from SECTION-B . must be attempted at accordance with Q. No	ALL questions carry EQ one place instead of at div. in the Q.Paper.	QUAL
mus	st be crossed.			
(vi)	Extra attempt of any question or any p	part of the question w	ill not be considered.	xamoo.
	com www.examoo.com www.examou.com	RT-II ION-A		
Q. No. 2.	The people of South Asia had suff regional development, connectivity, of SAARC in the light of this statement	and cooperation. Eva		(20)
Q. No. 3.	"The military's political role has und of democratic political culture". Analy		www.avamaa.co.	(20)
	SEC	CTION-B		
Q. No. 4.	WTO is a tool of developed countries countries. Do you agree? Give argume	-	loitation of developing	(20)
Q. No. 5.	Pakistan China friendship is based on	reciprocal developme	ents. Analyze.	(20)
Q. No. 6.	Judicial activism is the natural corolla agree?	ary of poor governan	ce in Pakistan. Do you	(20)
Q. No. 7.	What do you understand by the term developed in Pakistan?	"Start Up" and How	Start Up culture can be	(20)
Q. No. 8.	Despite the enactment of 18th amend the question of political devolution is			(20)



Roll Number

PSYCHOLOGY

TIME ALI PART-I(M	LOWED: THREE HOURS ICQS): MAXIMUM 30 MINUTES	PART-I (MCQS) PART-II	MAXIMUM MARKS MAXIMUM MARKS	
 NOTE: (i) Part-II is to be attempted on the separate Answer Book. (ii) Attempt ONLY FOUR questions from PART-II. ALL questions carry EQUAL marks. (iii) All the parts (if any) of each Question must be attempted at one place instead of a different places. (iv) Write Q. No. in the Answer Book in accordance with Q. No. in the Q.Paper. (v) No Page/Space be left blank between the answers. All the blank pages of Answer Book must be crossed. (vi) Extra attempt of any question or any part of the question will not be considered. 				
www.exalmor	p Extra attempt of any question of any p	art of the question wi	in not be considered.	xamoo.
	PAR	Γ-II		
Q. No. 2.	What is gestalt school of thought? perception.	Write major Gesta	lt principles of visual	(20)
Q. No. 3.	Describe in detail the Jean Piaget's Theo	ory and Stages of Cog	nitive Development.	(20)
Q. No. 4.	Narrate how Wallas Stage Model of Cr idea? Is the Gardner theory of multi explanation of intelligence? Support you	ple intelligences an	accurate and sufficient	(20)
Q. No. 5.	What are personality disorders? Explain	in detail.		(20)
Q. No. 6.	What are the different ways in which co the major Conflict Management Styles t			(20)
Q. No. 7.	Write a note on the importance of en major theories that describe the significa			(20)
Q. No. 8.	What are major tests to assess human human intelligence in detail.	intelligence? Write re	elevant tests to measure	(20)
	*****	****		



Roll Number

PUBLIC ADMINISTRATION

TIME ALLOWED: THREE HOURS **MAXIMUM MARKS = 20** PART-I (MCQS) **PART-I(MCQS): MAXIMUM 30 MINUTES PART-II** MAXIMUM MARKS = 80 Part-II is to be attempted on the separate Answer Book. NOTE: (i) Attempt ONLY FOUR questions from PART-II. ALL questions carry EQUAL marks. (ii) (iii) All the parts (if any) of each Question must be attempted at one place instead of at different (iv) Write Q. No. in the Answer Book in accordance with Q. No. in the Q.Paper. (v) No Page/Space be left blank between the answers. All the blank pages of Answer Book must be crossed. Extra attempt of any question or any part of the question will not be considered. (vi) **PART-II** Q. No. 2. What are the different ways in which policies and programs can be evaluated? Discuss (20)the approaches and explain the distinctions in these approaches. A great deal of political debate in the last two decades has focused on strategies for Q. No. 3. (20)controlling the federal budget deficit. Why is this an important issue for the government and what strategies have been employed by governments to manage the deficit? Give examples. Contemporary perspectives on leadership suggest that leadership is not just the Q. No. 4. (20)responsibility of those in positions of authority but can and should be exercised throughout the organization. Write an essay defending this suggestion. Can individuals that are normally considered "followers" exercise leadership? Explain. Public officials at all levels have established processes to encourage more substantive Q. No. 5. forms of citizen engagement. What is citizen engagement? Give examples of these efforts, and what is the potential, in your opinion, for these efforts to create truly meaningful engagement? It has been widely argued that the impact of globalization on public administration (20)Q. No. 6. should not be underestimated. What is meant by the term 'globalization'? How does this trend affect public administrators at various levels and why should administrators pay attention to the global context of their work? Explain. New Public Management has been hailed as the dominant paradigm for public service Q. No. 7. in the last two decades. In your opinion, how viable is NPM for developing countries taking into account the distinct and complex environment of public sector organizations in such countries? Q. No. 8. Planning is an important part of the policy process. Describe the various (10)types of planning and discuss the objectives of each type.

beginning stages of the implementation process.

Implementation is the action phase in which plans and policies are put (10)

into operation. Discuss the techniques that can be utilized in the



PUNJABI

Roll Number

TIME ALLOWED: THREE HOURS PART-I (MCQS) MAXIMUM MARKS = 20MAXIMUM MARKS = 80 **PART-I(MCQS): MAXIMUM 30 MINUTES PART-II** NOTE: (i) Part-II is to be attempted on the separate Answer Book. (ii) Attempt ONLY FOUR questions from PART-II. Answer must be written in respective language except where specified in the question paper. ALL questions carry EQUAL (iii) All the parts (if any) of each Question must be attempted at one place instead of at different places. (iv) Write Q. No. in the Answer Book in accordance with Q. No. in the Q.Paper. No Page/Space be left blank between the answers. All the blank pages of Answer Book must be crossed. Extra attempt of any question or any part of the question will not be considered. PART-II نوٹ: ایس حصبے وچوں پنج (5) سوالاں دے جواب دیو۔ عبدالغفور قریشی دے نظریے موجب پنجابی زبان دی کتھا دا ڈھیر گوڑ ھا احاطہ کرو۔ (16)سو النمبر 3. پنجابی بولی دا پچھوکڑ ''آصف خان'' دے نظریے دی روشنی ہیٹھ واضح کرو۔ (16)سوالنمبر 4۔ ''باراں مانہہ تے اج دے شاعر'' دے سرناویں ہیٹھ حسین شاہد دے کیتے جتن راہیں (16)بار ان مانهم دی و ضاحت کرو ـ سوالنمبر 5. بلهے شاہ دیاں کافیاں وچوں حقیقت پسندی دے عناصر شعری مثالاں راہیں واضح کر ہ ۔ سوالتمیر 6. ناول دیوا تے دریا دے معاشرتی یکھ اگھیڑ کے سامنے لیاؤ۔ (16)سوالنمبر 7. " "چونبڑاں" پکھوں ارشد میر دے ٹچکر ڈھنگ نوں واضح کرو۔ (16)سبو النمير 8. سچى سركار از عبدالكريم ثمر وچ دسدے (غزوياں) لامان دااحاطم كرو-(16)سوالنمبر 9. بیٹھ دتے سرناویاں وچوں کسے دو اُتے نوٹ لکھو۔ **(16)** (8) (ج) ڈرامہ كافي (الف)



Roll Number

PURE MATHEMATICS

TIME ALLOWED: THREE HOURS MAXIM

MAXIMUM MARKS = 100

- NOTE: (i) Attempt FIVE questions in all by selecting TWO Questions each from SECTION-A&B and ONE Question from SECTION-C. ALL questions carry EQUAL marks.
 - (ii) All the parts (if any) of each Question must be attempted at one place instead of at different places.
 - (iii) Write Q. No. in the Answer Book in accordance with Q. No. in the Q.Paper.
 - (iv) No Page/Space be left blank between the answers. All the blank pages of Answer Book must be crossed.
 - (v) Extra attempt of any question or any part of the attempted question will not be considered.
 - (vi) Use of Calculator is allowed.

SECTION-A

Q. 1. (a) Find centre of S_3 .

(10)

- **(b)** Using the row operations, show that the matrix $\begin{pmatrix} 1 & 2 & -3 \\ 1 & -2 & 1 \\ 5 & -2 & -3 \end{pmatrix}$ has no inverse. (10) **(20)**
- **Q. 2.** (a) For any group G, show that $\frac{G}{\{e\}} \cong G$ and $\frac{G}{G} \cong \{e\}$. (10)
 - (b) Suppose U and W are distinct four dimensional subspaces of a vector space V of (10) (20) dimension six. Find the possible dimension of $U \cap W$.
- Q. 3. (a) For what value of α is the matrix $\begin{pmatrix} -\alpha & \alpha 1 & \alpha + 1 \\ 1 & 2 & 3 \\ 2 \alpha & \alpha + 3 & \alpha + 7 \end{pmatrix}$ is singular? (10)
 - **(b)** Define $T: \mathbb{R}^3 \to \mathbb{R}^3$ by $T(x_1, x_2, x_3) = (-x_3, x_1, x_1 + x_3)$. Find N(T). Is T one-to-one?

SECTION-B

- **Q. 4.** (a) Find the value of θ and the limit in order that $\lim_{x\to 0} \frac{\sin 2x + \theta \sin x}{x^3}$ be finite. (10)
 - **(b)** Show that $x < \sin^{-1} x < \frac{x}{\sqrt{1 x^2}}$, 0 < x < 1. (10) **(20)**
- **Q. 5.** (a) Given that $U = \frac{1}{|x^2 + y^2 + z^2|}$. Verify that $U_{xx} + U_{yy} + U_{zz} = 0$. (10)
 - (b) Evaluate $\iint (x^2 + y^2) dx dy$, over the domain bounded by $y = x^2$ and $x = y^2$. (10)
- Q. 6. (a) Evaluate $\iint (x^2 + y^2) dxdy$, over the region bounded by xy=1, y=0, y=x and x=2. (10)
 - (b) Find an equation of a normal to the hyperbola $\frac{x^2}{a^2} \frac{y^2}{b^2} = 1$ in the form

 (10) (20) $ax \cos \theta + by \cot \theta = a^2 + b^2$. Prove that the normal is external bisector of the angle between the focal distances of its foot.

SECTION-C

- Q. 7. (a) Determine k such that $U = e^{2x} \cos ky$ is harmonic and find a conjugate harmonic. (10)
 - **(b)** Evaluate $\int_C (\frac{1}{z^5} + z^3) dz$ from 1 to -1 along the upper arc of the unit circle. (10)
- Q. 8. (a) Find the Laurent Series of $\frac{1}{1-z^2}$ in the region 0 < |z-1| < 2. (10)
 - (b) Find the residues at the singular points of $\frac{-Z^2 22z + 8}{Z^3 5z^2 + 4z}$ which lie inside the circle |z|=2.



Roll Number

TIME ALLOWED: THREE HOUR MAXIMUM MARKS = 20PART-I (MCQS) **MAXIMUM MARKS = 80 PART-I(MCQS): MAXIMUM 30 MINUTES PART-II**

- NOTE: (i) Part-II is to be attempted on the separate Answer Book.
 - (ii) Attempt ONLY FOUR questions from PART-II. Answer must be written in respective language except where specified in the Question paper. ALL questions carry EQUAL marks.
 - (iii) All the parts (if any) of each Question must be attempted at one place instead of at different places.
 - (iv) Write Q. No. in the Answer Book in accordance with Q. No. in the O.Paper.
 - (v) No Page/Space be left blank between the answers. All the blank pages of Answer Book must be crossed.
 - (vi) Extra attempt of any question or any part of question will not be considered.

PART-II

د لاندینی ورکړی شوی انګرېزی عبارت په معیاری پښتو کښی ترجمه اوکړئ -(14)سوال نمبر 2: (a)

Bayazid Ansari is one of those historical, religious, literary and political figures who influenced the whole life of the Pashtoons. He brought about cultural, religious and political revolution in Pashtoon Society. He got together the scattered tribes of the Pashtoons around him, and organized them in a way to have adopted the form of a movement, which is known as the Rowshani Movement in the history of the Pashtoons. This movement was a religious - cum political movement in his life and was changed into a purely political movement after his death till it eventually died out after Abdul Qadir, son of Ahdad, joined Mughals.

وركړى شوى انگريزى متلونو كښى درى متلونه پښتو ته راواړوئ. (06) (2 each

- (i) An empty water pitcher makes a noise in the wind.
- (ii) When the turban falls from the head but remains on the shoulders, don not consider it fallen.
- (iii) Oh little straw, you have entered the arena.
- (iv) You want to buy a horse, and you want it for ten rupees.
- (v) The goat said, "If I don't tell the story, my broken leg will".

(14)د لاندینی پښتو عبارت په معیاری انګرېزی کښی ترجمه او کړئ -سوال نمبر 3: (a) د پښتنو د فطرت او نفسياتو په رڼا کښي زېږدلې ادب په اصل کښي د خوشحال بابا د مکتب فکر او غايت وه ـ په خپل اوږد ارتقائي سفر کښې پښتو ادب که هر څو نوي نوي رنګونه خپل کړي دې او د وخت د علمي تقاضو په سبب ئي د نورو ژبو د ادبياتو نه په خلاص مټ استفاده کړې ده ـ خوارهٔ وارهٔ فني مکاتيب پکښې ساز کړې شوې دې ـ ولي هر کله چې په هند کښې د از ادۍ تحریک شروع شو نو ادب یو ځل بیا د خپل تشخص په لټون شو ـ دا یواځی تشخص نه وه بلکی د قامی تشخص لټون هم وه ـ

(b) د یښتو د لاندیني متلونو نه د درېو متلونو په انګرېزې کښې ترجمه اوکړئ -(06) (2 each) روپۍ مې ګټله پوزه مې بائيله (ii) بالا مانی دې خلاصه وې په نوم د اکبر خان (i) د اباسین نه چی اوبهٔ غواړی نو تر ے نه ئے، ـ (iv) چې په خوست کښې دی ، هغه په کتاب کښې نشته (iii)

کاروان بندبری د خلقو خولی نهٔ بندبری ـ

چاربیته څه ته وائی او د پښتو چاربېتی اقسام په مثالونو سره واضح کړئ ـ سوال نمير 4: (20)

د خوشحال خان ختک په ادبي خدماتو جامع نوټ وليکئ ـ سوال نمير 5: (20)

د شبر شاه سوری یه انتظامی او نظامی/عسکری خدماتو بحث وکرئ -(20)سوال نمير 6: د بایزید روبنان مذهبی او صوفیانه مسلک یه حقله یه زرهٔ یوری بحث اوکرئ -سوال نمبر 7: (20)

لانديني اولسي اصنافو څخه د دوو اصنافو تعريف او توضيح په مثالونو سره واضح کړئ - (10+10) سوال نمير 8: (20)

(iii) بگتی (i)بَدلُه ******



Roll Number

SINDHI

TIME ALLOWED: THREE HOURS PART-I (MCQS) MAXIMUM MARKS = 20 PART-II MCQS: MAXIMUM MARKS = 80

NOTE: (i) Part-II is to be attempted on the separate Answer Book.

- (ii) Attempt ONLY FOUR questions from PART-II. Answer must be written in respective language except where specified in the question paper. ALL questions carry EQUAL marks.
- (iii) All the parts (if any) of each Question must be attempted at one place instead of at different places.
- (iv) Write Q. No. in the Answer Book in accordance with Q. No. in the Q.Paper.
- (v) No Page/Space be left blank between the answers. All the blank pages of Answer Book must be crossed.
- (vi) Extra attempt of any question or any part of the question will not be considered.

PART-II

- "سنڌي ٻولي فطرت مان ڦٽي نڪتي آهي" سنڌي ٻولي بابت هي خيال ڪنهن جو آهي؟ (20)سو ال نمير 2: سنڌي بولي جي بڻ بنياد بابت نظرياتي بحث كندي تو هان ينهنجا ويچار لكو. مولوي حاجي احمد ملاح جي شاعريءَ جو فني ۽ فكري جائزو مثال ڏيئي لکو. (20)سوال نمبر 3: نظم ، آزاد نظم، نثري نظم ۽ تجريدي نظم ۾ ڪهڙو فرق آهي ؟ مثالن سان واضح ڪريو. (20)سوال نمير 4: انگريزن جي دور ۾ سنڌي ناول جو فڪري اپياس حوالن سان لکو. سوال نمير 5: (20)سنڌي ڊرامي جو ارتقائي جائزو لکندي ، ڊرامي ڪاڪ محل تي تبصرو ڪريو. (20)سوال نمير 6: (الف) شاهه لطيف ان جو ذكر كهڙن ۽ كيترن نالن سان كيو آهي. كي به سوال نمير 7: بنج ببت لکو جنهن ۾ اٺ جا مختلف نالا استعمال ٿيل هجن. (20)(10)(ب) هيٺين مان ڪن به بن ڪر دار ن تي نوٽ لکو.

'شاعري فلسفي جي ماءُ آهي. هر فلسفو ابتدا ۾ شاعراڻو خيال ئي هوندو آهي؛ جنهن کي بعد ۾ منطق ۽ دليل وسيلي ثابت ڪيو وڃي ٿو. خيال جي ثابتي رڳو سائنس ۽ منطق ۾ ئي ممڪن آهي. شاعريءَ کي ڇڏي؛ سائنس ۽ منطق کان سواءِ ٻيا سڀ طور طريقا عقيدن جي ڇانو ۾ هلندا آهن ۽ عقيدا ثابتي ناهن گهرندا. ڪنهن به خيال جي سڌي سنئين ثابتي ته شاعريءَ مان به ناهي ملندي پر شاعريءَ ۾ ڪي اهڃاڻ ممڪن آهن جيڪي فلسفي ۽ سائنس وسيلي ثابت ٿيا آهن.اها حقيقت آهي ته ڪنهن به خيال جو ذهن ۾ قتل، اسرڻ ۽ پئدا ٿيڻ بنيادي طور تي شاعري ئي آهي".

(b) هيٺ ڏنل انگريزي پيراگراف جو سنڌي ۾ ترجمو ڪريو؟

"Bilingual children use whichever linguistic means is available to them to establish themselves as bilingual speakers. If dominance in one language stands in the way of conversing in the other, children compensate by producing accented speech and making sure that they restrict this to home conversations with their parents".



Roll Number

SOCIOLOGY

TIME ALLOWED: THREE HOURS	PART-I (MCQS)	MAXIMUM MARKS = 20
PART-I(MCQS): MAXIMUM 30 MINUTES	PART-II	MAXIMUM MARKS = 80

- NOTE: (i) Part-II is to be attempted on the separate Answer Book.
 - (ii) Attempt ONLY FOUR questions from PART-II. ALL questions carry EQUAL marks.
 - (iii) All the parts (if any) of each Question must be attempted at one place instead of at different places.
 - (iv) Write Q. No. in the Answer Book in accordance with Q. No. in the Q.Paper.
 - (v) No Page/Space be left blank between the answers. All the blank pages of Answer Book must be crossed.
 - (vi) Extra attempt of any question or any part of the question will not be considered.

PART-II

- Q. No. 2. Education is an important social institution. How conflict and functionalist (20) perspectives view education as institutionalized activity? Which of these approaches can best describe the system of education in Pakistan and how?
- Q. No. 3. Explain G. H. Mead's Concepts of Mind, Self and Society along with the basic (20) principles of Symbolic Interactionism.
- Q. No. 4. What is ontology, epistemology, methodology? Is there any difference between method and methodology? What is the role of ontology and epistemology in social research?
- Q. No. 5. How do time-series, panel, and cohort studies differ? What are some potential (20) problems with cost-benefit analysis?
- Q. No. 6. Discuss in detail the theory of justice and Plato's theory of forms and allegory of the (20) cave.
- Q. No. 7. What is meant by society? Discuss its types in detail. Also define culture and what is the difference between material and non-material in a society culture?
- Q. No. 8. Write notes on the following: (10 each)
 - (i) Conversation Analysis
 - (ii) Volcano of civilization



Roll Number

STATISTICS

TIME ALLOWED: THREE HOURS PART-I(MCQS): MAXIMUM 30 MINUTES	PART-I (MCQS) PART-II	MAXIMUM MARKS = 20 MAXIMUM MARKS = 80
NOTE: (i) Part-II is to be attempted on the separate A	Answer Book.	www.examoo.com www.examoo.com
(ii) Attempt ONLY FOUR questions from PA	ART-II by selecting TV	WO questions from EACH SECTION.
ALL susseines come EQUAL montes		

- ALL questions carry **EQUAL** marks.
- (iii) All the parts (if any) of each Question must be attempted at one place instead of at different places.
- (iv) Candidate must write Q. No. in the Answer Book in accordance with Q. No. in the Q.Paper.
- (v) No Page/Space be left blank between the answers. All the blank pages of Answer Book must be crossed.
- (vi) Extra attempt of any question or any part of the attempted question will not be considered.
- (vii) Use of Calculator is allowed.

the assumptions you make.

(viii) Use of statistical table is allowed.

PART-II

Calculate the Q1, median and Q3 from the following distribution of weight of containers in Kg, Q. 2. (a) and comment on the symmetry of distribution.

Weight (Kg)	18- 26	27-35	36-44	45- 53	54- 62	63-71	72- 80
o.com www.exan	oo.com	www.examo	o.com wv	rw.examoo.c	m www	examoo.cor	n www.es
# of Containers	13	20	39	40	25	6	12

- **(b)** What is frequency distribution? Discuss briefly the steps involve in construction of frequency distribution.
- The first three moments of a distribution about the value 2 of the variable are 1, 16 and -40. (05) **(20)** Show that the mean is 3, the variance 15 and m3 is -86. Also show that the first three moments about x=0 are 3, 24 and 76.
- From the following data, determine the linear regression equations of X_1 on X_3 and of (10) X_2 on X_3 .

X_1	07	12	14	17	20	
X_2	04	07	08	09	12	11100
$egin{array}{c} X_1 \ X_2 \ X_3 \end{array}$	01	02	04	05	08	unoc

Find the deviations of observed values of X_1 from the regression, i.e., $X_{1.3}$. Repeat the same of X₂, i.e., obtain X_{2,3}. Determine the simple correlation co-efficient between the two sets of deviations $X_{1,3}$ and $X_{2,3}$.

- (05)**(b)** What is meant by: (i) Regression (ii) Regressard (iii) Regressor (iv) Regressor co-efficient (05) **(20)** (c) Describe the Properties of the correlation co-efficient?
- Derive the Poisson distribution as the limiting form of the binomial distribution, stating clearly
- **(b)** Enumerate all the possible (i) combinations and (ii) permutations of 3 letters chosen from the four letters A, B, C, and D.
 - A box contains 4 bad and 6 good tubes. Two tubes are drawn together at random. One of them is tested and found to be good. What is the probability that other one is good?

STATISTICS

SECTION-B

- Q. 5. (a) Draw all possible random sample of size n_1 =2 with replacement from a finite population (12) consisting of 4, 6, 8. Similarly draw all possible random samples n_2 =2 with replacement from another finite population consisting of 1, 2, 3.
 - (i) Find the possible difference between the sample means of the two populations.
 - (ii) Construct the sampling distributions of $\bar{x}_1 \bar{x}_2$ and compute its mean and variance.
 - (iii) Verify that $\mu_{\bar{x}_1 \bar{x}_2} = \mu_1 \mu_2$ and $\sigma_{\bar{x}_1 \bar{x}_2}^2 = \frac{\sigma_1^2}{n_1} + \frac{\sigma_2^2}{n_2}$
 - (b) Explain sampling and non-sampling errors. What method would you suggest to control each type (08) (20) of error?
- Q. 6. (a) The two samples A and B detailed below, were taken from normal populations of standard (12) deviation 0.8. Test whether the difference of means is significant

A	10.5,	11.6,	12.7,	12.9,	13.5,	13.6,	14.8	w.exam
В	11.3,	12.4,	12.4,	13.9,	14.2,	14.7,	14.9,	15.6

(b) Explain with examples the difference between:

(08) (20)

- (i) Null and Alternative hypothesis
- (iii) Type I-error and Type II-error
- (ii) Simple and composite hypothesis
- (iv) Critical and non-critical region.
- Q. 7. (a) The following data represent the result of 3 questions obtained by 3 students in three subjects: (12)

noo.com v	ww.cxamoo.com	Subjects				
Students	English	Mathematics	Statistics			
nlo.com v	13	23	22			
noo.com v	18	20	23			
noo.com w	15	16	20			
2	21	20	20			
100.com w	16	14	15			
too com w	24	24	22			
3	18	17	19			
nno com w	15	13	21			
nno com w	12	16	18			

Perform an analysis of variance upon these data and test the hypothesis that:

- (i) The subjects are of equal difficulty.
- (ii) The students are of equal ability, and
- (iii) The students and subjects do not interact.
- **(b)** Discuss why using multiple two-sample t-tests is not an appropriate alternative of analysis of (08) (20) variance?
- **Q.8.** (a) Given the population 1, 1, 1, 3, 4, 5, 6, 6, 6, and 7. Find

(10)

- (i) The probability that a random sample of size 36 selected with replacement will yield sample mean between 3.26 and 4.74
- (ii) The mean and standard deviation for the sampling distribution of means for a sample size of 4 selected at random without replacement. Between what values would you expect at least 3/4 of the sample mean to fall?
- **(b)** Explain sampling and non-sampling errors. What methods would you suggest to control each (05) type of error?
- (c) Explain with examples the following properties of a point estimator:

(05) (20)

- (i) Unbiasedness,
- (ii) Consistency, and
- (iii) Efficiency.

Page 2 of 2



COMPETITIVE EXAMINATION-2023 FOR RECRUITMENT TO POSTS IN BS-17 UNDER THE FEDERAL GOVERNMENT

Roll Number	
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www.examon	

TOWN PLANNING & URBAN MANAGEMENT

	LOWED: THREE HOURS ICQS): MAXIMUM 30 MINUTES	PART-I (MCQS) PART-II	MAXIMUM MARKS = 20 MAXIMUM MARKS = 80	
NOTE: (i) (ii) (iii)	Attempt ONLY FOUR questions from	n PART-II. ALL que tion must be attempt	ed at one place instead of at	
(v)	No Page/Space be left blank between			
(vi	must be crossed. Extra attempt of any question or any p	part of the question wi	ll not be considered.	
www.examo	O.COM WWW.examoo.com WWW.examoo.com	www.examoo.com	www.examoo.com www.examoo.com www.examoo.com	
	PAR'	$\Gamma - \Pi$		
Q. No. 2.	What is Land use and Building Controls in cities? Explain tools to exert	•	•	
Q. No. 3.	Why Master Plans are necessary? Explamaster plans.	in difference betweer	old and contemporary (20)	
Q. No. 4.	Explain the concept of urbanization. Describe pros and cons of urbanization. How can we manage urbanization in Pakistan? (20)			
Q. No. 5.	Removal of the encroachment has become Elucidate statutory, administrative, an encroachments in big cities of Pakistan.			
Q. No. 6.	Describe the concept of zoning. Explar can improve the urban environment?		of zoning. How zoning (20)	
Q. No. 7.	Write short notes on any TWO of the fo	llowing:	(10 each) (20)	
	(a) Usage and the limitations of Geogra(b) Challenges for the implementation in Pakistan.	-		
	(c) Affordable Housing in Pakistan.			
Q. No. 8.	Write short notes on any TWO of the fo	llowing:	(10 each) (20)	
	(a) Difference between Spati	ial and Master Plan.		
	(b) The advantages and disaction	dvantages of Vertical	Growth.	
	(c) Low Income Housing in	Pakistan.		
	****	****		



Roll Number

URDU LITERATURE

TIME ALLOWED: THREE HOURS PART-I (MCQS) MAXIMUM MARKS = 20 PART-I(MCQS): MAXIMUM 30 MINUTES PART-II MAXIMUM MARKS = 80

NOTE: (i) Part-II is to be attempted on the separate Answer Book.

(ii) Attempt ALL questions.

- (iii) All the parts (if any) of each Question must be attempted at one place instead of at different places.
- (iv) Write Q. No. in the Answer Book in accordance with Q. No. in the Q.Paper.
- (v) No Page/Space be left blank between the answers. All the blank pages of Answer Book must be crossed.
- (vi) Extra attempt of any question or any part of the question will not be considered.

PART-II

سوالنمبر2-(الف) درج ذیل میں سے کسی ایک جزو کی تشریح کیجئے اور شاعر کا نام بھی لکھیئے۔

جزواوّل (1) کیوں جل گیا نہ تاب رُخِ (2) واحسر تا کہ یار نے کھینچا ستم سے
یار دیکھ کر
جلتا ہوں اپنی طاقتِ دیدار ہم کو حریصِ لذتِ آزاد دیکھ کر
دیکھ ک

دیجھ حر
(3) ان آہلوں سے پاؤں کے (4) گِرنی تھی ہم پہ برق تجلی ، نہ طُور
گھبرا گیا تھا میں
جی خوش ہوا ہے راہ کو
پرُخار دیکھ کر
اے کہ تجھ کو کھا گیا سرمایہ دارِ حیلہ گر

ت میں بات

اے کہ تجھ کو کھا گیا سرمایہ دارِ حیلہ گر شاخ آبو پر رہی صدیوں تلک تیری برات دولت آفریں کو مُزدیوں ملتی رہی اہل ثروت جیسے دیتے ہیں غریبوں کو

ر کات ساحر الموط نے تجھ کو دیا برگِ حثیش اور تو اے بے خبر سمجھا اسے شاخِ ندات

سب نسل ، قومیت، کلیسا، سلطنت ، تہذیب و رنگ 'خواجگی' نے خوب چُن چُن کے بنائے مسکرات

(ب) مندرجہ ذیل میں سے کسی ایک کا جواب لکھیئے۔ فیض کی شاعری 'وعدے اور اُمید' کی شاعری ہے۔ اس خیال کی روشنی میں دستِ صبا کا تجزیہ کیجئے۔

۔ اراشد کی نظم میں ان کے عہد کی سیاسی و سماجی صورت حال کا عکس بے حد نمایاں ہے' ایرن میں اجنبی" کے حوالے سے وضاحت کیجئے۔

سوالنمبر3۔(الف) "احمد ندیم قاسمی نے اپنے افسانوں میں زندگی کے مسائل کے ساتھ انسانی نفسیات کی (15) گرہیں بھی کھولی ہیں" ۔ اس رائے کی روشنی میں 'کپاس کا پھول' کا جائزہ لیجئے۔ پا

یوسفی کے ہاں مزاح واقعاتی یا سانحاتی سے زیادہ گفتگو اور تبصرے کا ہے' ۔ 'آب گم' کے حوالے سے وضاحت کیجئے۔

(ب) مندرجہ ذیل میں سے کسی ایک اقتباس کی تشریح کیجئےنیز مصنف و مضمون کا نام بھی لکھیئے۔ بھی لکھیئے۔

شجرہ اور حویلی بھی ایک ایسی جائے اماں تھی۔ ممکن ہے بے ادب نگاہوں کو یہ تصویر میں ڈھنڈار دکھائی دے لیکن جب قبلہ اس کی تعمیر اتی نز اکتوں کی تشریح فرماتے تو اس کے آگے تاج محل سیدھا، سپاٹ ، گنوار گھروندا معلوم ہوتا۔ مثلاً دوسری منزل پر ایک دروازہ نظر آتا تھا جس کی چوکھٹ اور کواڑ جھڑ چلے تھے۔ قبلہ اسے فرانسیسی دریجہ بتاتے تھے۔ اگر یہاں واقعی کوئی ولایتی دریچہ تھا تو یقیناً یہ وہی دریچہ ہوگا جس میں جڑے ہوئے آئینہ جہاں نما کو توڑ کر ساری کی ساری ایسٹ انڈیا کمپنی آنکھوں میں اپنے جوتوں کی دھول جھونکتے گزر گئی۔

يا

URDU LITERATURE

مرحوم ہماری قدیم تہذیب کا بے مثل نمونہ تھے۔ شرافت اور نیک نفسی ان پر ختم تھی۔ چہرے سے شرافت ، ہمدر دی آور شفقت ٹیکتی تھی اور دل کو ان کی طرف کشش ہوتی پہوں۔ تھی۔ ان کے پاس بیٹھنے سے یہ معلوم ہوتا تھا کہ کوئی چیز ہم پر اثر کر رہی ہے۔ درگزر کا یہ عالم تھا کہ کوئی ان سے کیسی ہی بدمعاملگی اور بدسلوکی کیوں نہ کرے ان کے تعلقات میں کبھی فرق نہ آتا ۔ جب ملتے تو اسی شفقت اور عنایت سے پیش آتے۔ ں کے ۔ اور کیا مجال اس بدسلوکی اور بدمعاملگی کا ذکر زبان پر آنے پائے۔ ایسے لوگ جن سے ہر کوئی حذر کرتا جب ان سے ملنے آتے تو ان کے حسن سلوک اور محبت کا کلمہ پڑھتے ہوئے جاتے تھے۔

سوالتمير 4.

کسی ایک نثر پارے کی تلخیص کیجئے۔ مسلمانوں کے مصائب اگر تمام تر اقتصادی ہوتے تب بھی ان کا حل آسان نہ تھا۔ لیکن اس زمانے میں انہیں جو نئے نئے مسائل پیش آرہے تھے وہ زندگی کے ہر شعبے سے متعلق تھے۔ اقتصادی اور ذہنی پستی کی اصلاح کے لئے ضروری تھا کہ مسلمان انگریزی تعلیم حاصل کریں اوروہ اس سے بدکتے تھے۔ اب تک ان کی ادبی زبان فارسی رہی تھی لیکن اس زبان کا مستقبل تاریک تھا اور اُردو میں غزل گو شعراء کے دواوین کے سوا کوئی قابل ذکر لٹریچر نہ تھا۔ نثر میں بھی گنتی کی چند کتابیں تھیں جن میں علمی مسائل پیش کرنے کی صلاحیت نہ آئی تھی۔ اُردو شاعری بھی نقائص سے پُر تھی اور قوم کی نشو نما میں کسی طرح کار آمد نہ ہو سکتی تھی۔

أردو ادب كي تين اصناف يعني افسانہ ، شاعري اور تنقيد كو نہ صرف اس تحريك نــــ متاثر کیا بلکہ ادب کی بیت اجتماعیہ کو انسانی شعور سے رہنمائی حاصل کرنے ، سائنسی انداز میں تجزیہ کرنے اور ان دونوں کے امتزاج سے زندگی کی بصیرتوں کو نئے مفاہیم نکھارنے کی قوت عطاکی ۔ اس تحریک نے منطقی استدلال اور حقیقت پسندانہ تجزیے کو فروغ دیا اور معاشی حقائق کو تسلیم کر کے استحصالی قوتوں کی نشاندہی کی ۔ آس تحریک کے مقاصد میں عوام کی بہبودی اور آیک خوش حال معاشرے کی تعمیر کو فوقیت حاصل تھی۔ چنانچہ بلند انسانیت میں اعتقاد اور کچلے ہوئے عوام کو ایک باعظمت مقام دلانے کی خواہش نے نئے ادباء کو اس تحریک کی

کسی ایک موضوع پر سیر حاصل مضمون لکھیئے۔

(الف) ماحولیات اور ادب

اُردو افسانے پر ترقی پسند تحریک کے اثرات (中)

أردو شاعري مين سائنسي شعور

Page 2 of 2



Q. No. 8.

FEDERAL PUBLIC SERVICE COMMISSION COMPETITIVE EXAMINATION-2023 FOR RECRUITMENT TO POSTS IN BS-17 UNDER THE FEDERAL GOVERNMENT

Roll Number

(20)

ZOOLOGY

TIME ALL PART-I(MO	OWED: THREE HOURS CQS): MAXIMUM 30 MINUTES	PART-I (MCQS) PART-II	MAXIMUM MARK MAXIMUM MARK	
NOTE: (i) (ii) (iii)	Part-II is to be attempted on the separ Attempt ONLY FOUR questions from All the parts (if any) of each Question places.	n PART-II . ALL que	• –	
(iv) (v)	Write Q. No. in the Answer Book in ac No Page/Space be left blank between must be crossed.	the answers. All the	e blank pages of Answer	r Book
(vi)	Extra attempt of any question or any p	part of the question wi	ll not be considered.	examoo.c
	PAR	RT-II		
Q. No. 2.	Dengue over the years has expand management plan to reduce the disease		ve a comprehensive	(20)
Q. No. 3.	Migration is one of the most widesp Discuss.	read characters of so	ome of the chordates.	(20)
Q. No. 4.	Cell to organism. How does this natura	al phenomena happen	?www.examoo.com www.e www.examoo.com www.e	(20)
Q. No. 5.	What are enzymes and coenzymes? D the activities that are dependent upon to		e of the organism and	(20)
Q. No. 6.	Biogeochemical cycles are dependent sustainability of ecosystems. How do their impact on the environment?			(20)
Q. No. 7.	Integument pays a vital role in the compare the integument of invertebration			(20)

Make a comparison of feeding and digestion process in carnivores and

the most diversified one and why?

Herbivores.