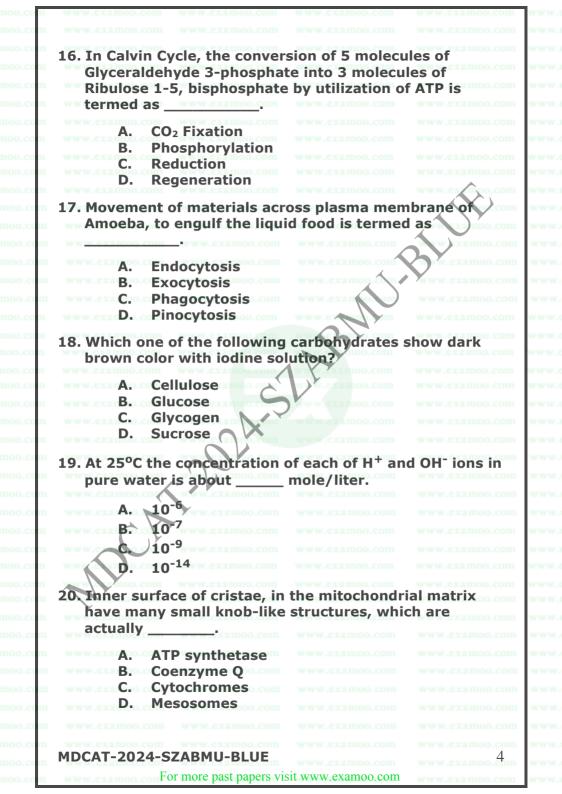
	BIOLOGY
	the following is the main component of f plasma membrane?
	lglycerol
	ithin
www.examoo.com	Jlyceride
D. Wa	xes www.examoo.com www.examoo.com www.ex
2. At which of th over takes pla	ne following stage of Prophase I, crossing ace?
-	lotene
B. Lep	
C. Pac	
D. Zyg	otene amoo.com www.examo
	the following type of plastids helps in d seed dispersal?
A. Am	
B. Chle	
	omoplast
D. Leu	coplast www.examo
	the following types of bonds is formed
	hydroxyl group of one amino acid and
hydrogen of a release of wa	mino group of another amino acid with ter?
A. Est	er bond
	cosidic linkage
	tide bond com www.cxamoo.com www.cxamo
D. Pho	osphodiester bond
	lay is required in seconds for conductanc
from the S.A I	node to A.V node?
A. 0.1	
www.cxaBio.c0.1	-
www.cxa C.o. 0.20	-
www.exa D0.3	0.www.examoo.com www.examoo.com www.examo
www.examoo.com	www.examoo.com www.examoo.com www.examo
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	Charles Chamberland w.c.amoo.com
www.exarB.o	
www.exarC.	Louis Pasteur
www.exanlob	Stanley
	eurotransmitter molecules bind to the receptors
	synoptic membrane, triggering an action
	I in the postsynaptic neuron, by causing changes
III Its	
Α.	concentrations of certain ion
В.	
C.	permeability of calcium ion
D.	permeability to certain ion
8. The livin	g cells of cartilage are called
www.exan	Chondroblast
	Chondroclasts
	Chondrocytes
9. When di	Osteocytes aphragm moves downward, ribs moves upward
9. When di	aphragm moves downward, ribs moves upward ward, volume in increases while
9. When di and outv pressure A. B. C. D,	aphragm moves downward, ribs moves upward ward, volume in increases while e in decreases. abdominal cavity, lungs chest cavity, lungs lungs, abdominal cavity
9. When di and outv pressure A. B. C. D,	aphragm moves downward, ribs moves upward ward, volume in increases while in decreases. abdominal cavity, lungs chest cavity, lungs lungs, abdominal cavity lungs, chest cavity one of the following is the acoelomates?
9. When di and outv pressure A. B. C. D,	aphragm moves downward, ribs moves upward ward, volume in increases while in decreases. abdominal cavity, lungs chest cavity, lungs lungs, abdominal cavity lungs, chest cavity lungs, chest cavity one of the following is the acoelomates? Aurelia
9. When di and outv pressure A. B. C. D. 10. Which	aphragm moves downward, ribs moves upward ward, volume in increases while in decreases. abdominal cavity, lungs chest cavity, lungs lungs, abdominal cavity lungs, chest cavity one of the following is the acoelomates? Aurelia Chaetopterus
9. When di and outv pressure A. B. C. D, 10. Which B. C. D.	aphragm moves downward, ribs moves upward ward, volume in increases while in decreases. abdominal cavity, lungs chest cavity, lungs lungs, abdominal cavity lungs, chest cavity one of the following is the acoelomates? Aurelia Chaetopterus Euplectella Taenia
9. When di and outv pressure A. B. C. D. 10. Which A. B. C. D.	aphragm moves downward, ribs moves upward ward, volume in increases while in decreases. abdominal cavity, lungs chest cavity, lungs lungs, abdominal cavity lungs, chest cavity ungs, chest cavity one of the following is the acoelomates? Aurelia Chaetopterus Euplectella Taenia
9. When di and outv pressure A. B. C. D, 10. Which A. B. C. D,	aphragm moves downward, ribs moves upward ward, volume in increases while in decreases. abdominal cavity, lungs chest cavity, lungs lungs, abdominal cavity lungs, chest cavity one of the following is the acoelomates? Aurelia Chaetopterus Euplectella Taenia
9. When di and outv pressure A. B. C. D. 10. Which A. B. C. D.	aphragm moves downward, ribs moves upward ward, volume in increases while in decreases. abdominal cavity, lungs chest cavity, lungs lungs, abdominal cavity lungs, chest cavity one of the following is the acoelomates? Aurelia Chaetopterus Euplectella Taenia
9. When di and outv pressure A. B. C. D, 10. Which A. B. C. D,	aphragm moves downward, ribs moves upward ward, volume in increases while in decreases. abdominal cavity, lungs chest cavity, lungs lungs, abdominal cavity lungs, chest cavity one of the following is the acoelomates? Aurelia Chaetopterus Euplectella Taenia
9. When di and outv pressure A. B. C. D. 10. Which A. B. C. D.	aphragm moves downward, ribs moves upward ward, volume in increases while in decreases. abdominal cavity, lungs chest cavity, lungs lungs, abdominal cavity lungs, chest cavity one of the following is the acoelomates? Aurelia Chaetopterus Euplectella Taenia
9. When di and outv pressure A. B. C. D. 10. Which A. B. C. D.	aphragm moves downward, ribs moves upward increases while in

	ill be CO <sub>2</sub> fixation efficiency in plants with spiration?
www.exarA.o.	20% www.examoo.com www.examoo.com www.examoo.com
	c 25% ww.examoo.com www.examoo.com www.examoo.com
	50% www.examoo.com www.examoo.com www.examoo.com
D.	75%
female	one of the following conditions produce a sterile with Turner's syndrome in human but sterile Drosophila?
A.	X0
B.	COM WWW.CLAMOO.COM WWW.CLAMOO.COM WWW.LLAMOO.COM
С.	XXX X X X X X X X X X X X X X X X X X
D.	XXY www.examoo.com
	usion of ilium, ischium and pubis in pelvic
girdle _	is formed.
	ball and socket joint
	cartilaginous joint
	fibrous joint
www.exar <b>D</b> .	hinge joint
4. Which d	of the following parts of brain is related to
sensatio	on of pleasure, feeling of fear, rage and
punishn	nent or sexual arousal when stimulated?
www.examoo.	com www.examoo.com www.examoo.com www.examoo.con
	Amygdala
B.	Hippocampus Hypothalamus
D.	Thalamus
	m www.examoo.com www.examoo.com www.examoo.com
	uch energy is present in the chemical bond of that is converted into ATP by anaerobic
respirat	
A.	2%
В.	4% 4%
С.	10% www.examoo.com www.examoo.com www.examoo.com
D.	C 36% WW.cxamoo.com WWW.cxamoo.com WWW.cxamoo.com



A. B. C. D.	After 6 days of sta After 10 days of st After 14 days of st After 27 days of st	art of menstrua art of menstrua	tion tion
	aryotic cells, autopha te from		eing
A. B. C. D.	Endoplasmic reticu Golgi bodies Mitochondria Ribosomes	ilum www.examoo.com	
	one of the following related to Tay-Sachs		organelles is
C. D.	Endoplasmic reticu Glyoxysomes Golgi bodies Lysosomes type of antibodies ar	A Production	www.examoo.com www.examoo.com www.examoo.com www.examoo.com
	od type?	www.examoo.com	
A. B. C. D.	Anti-A and anti-B a Anti-A antibodies Anti-B antibodies No antibodies at al		
C. D. 25. When 3	Anti-A antibodies Anti-B antibodies	www.examoo.com	www.examoo.com www.examoo.com www.examoo.com www.examoo.com
C. D. 25. When 3 triglyce A. B. C. D.	Anti-A antibodies Anti-B antibodies No antibodies at al fatty acids combine rides and 3 molecule Alcohol Ester Glyceride Glycerol	www.examoo.com e with <u>emoo.com</u> es of water. www.examoo.com www.examoo.com	www.examoo.com www.examoo.com www.examoo.com www.examoo.com
C. D. 25. When 3 triglyce A. B. C.	Anti-A antibodies Anti-B antibodies No antibodies at al fatty acids combine rides and 3 molecule Alcohol Ester Glyceride Glycerol	www.examoo.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 www.examoo.com www.examoo.com www.examoo.com www.examoo.com www.examoo.com
C. D. 25. When 3 triglyce A. B. C. D.	Anti-A antibodies Anti-B antibodies No antibodies at al fatty acids combine rides and 3 molecule Alcohol Ester Glyceride Glycerol	www.examoo.com e with	www.examoo.com www.examoo.com www.examoo.com www.examoo.com www.examoo.com www.examoo.com www.examoo.com
C. D. 25. When 3 triglyce A. B. C. D.	Anti-A antibodies Anti-B antibodies No antibodies at al fatty acids combine rides and 3 molecule Alcohol Ester Glyceride Glycerol	www.examoo.com	www.examoo.com www.examoo.com www.examoo.com www.examoo.com www.examoo.com www.examoo.com
C. D. 25. When 3 triglyce A. B. C. D.	Anti-A antibodies Anti-B antibodies No antibodies at al fatty acids combine rides and 3 molecula Alcohol Ester Glyceride Glycerol	www.examoo.com e with	www.examoo.com www.examoo.com www.examoo.com www.examoo.com www.examoo.com www.examoo.com www.examoo.com www.examoo.com
C. D. 25. When 3 triglyce A. B. C. D.	Anti-A antibodies Anti-B antibodies No antibodies at al fatty acids combine rides and 3 molecula Alcohol Ester Glyceride Glycerol	www.examoo.com e with	www.examoo.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

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xamoo.com www.

xamoo.com

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	ence of discovery, identification, and etation of fossils by Darwin was e.
Α.	biogeography
В.	chronology
С.	homology
D.	paleontology
27. Which o	one of the following is the end product in
electror	n transport chain taking place at inner 🛒 🔨 🕬
mitocho	ondrial membrane? www.examoo.com
Α.	Carbon dioxide
www.cxa.B.	NADPH CX4 moo.com www.exa moo.com
	Oxygen examos.com www.examos.com
www.exaDio	Water w.examoo.com www.examoo.com
28. Which o	one of the following plants has modified bilobed
	with midrib between them having long stiff
bristles	along the margins of each lobe?
www.exa.A.	Dionaea muscipula
	Drosera excelsa
C.	Drosera intermedia
D.	Nepenthes pupurea
29. In whic	h one of the following types of dominance,
	pic and phenotypic ratios are same in F1* cramoo.com
generat	ion? www.examoo.com www.examoo.com www.examoo.com
www.examoo.	Co-dominance
B.	Complete dominance
WWW.C	Incomplete dominance
D.	Over dominance
30. A coval	ently bonded inorganic ion with protein part of
an enzy	me is termed as
www.cxa.A.	Apoenzyme
www.cxaiB.o.	Coenzyme moo.com www.examoo.com www.examoo.com
www.exaCpo	
www.exaD.o.	Prosthetic group
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	ne of the following g r inhibit the growth o		
A. B. C. D.	Antiseptics Chemotherapeutics Disinfectants Vaccines	www.examoo.com www.examoo.com www.examoo.com www.examoo.com	
ww followin	c Photophosphorylat g processes of light nthesis is NOT inclue	dependent read	
В. С.	Absorption of light ATP synthesis Photoexcitation	www.examoo.com www.examoo.com www.examoo.com	
	Photolysis of water the range of carbon		www.examoo.com
www.exarCp.c	0.03-0.04% 0.3-0.4%	A service a moo.com	
34. Which o body du A. B. C. D. 35. Cyanide	3-4% ne of the following or ring oogenesis in fer Oogonia Ovum Primary oocytes Secondary oocytes s occupy the active s	male reproduct	ive system?
34. Which o body du A. B. C. D. 35. Cyanide	ne of the following or ring oogenesis in fer Oogonia Ovum Primary oocytes Secondary oocytes s occupy the active s t bond, thus comes u	male reproduct	ive system?
34. Which o body du A. B. C. D. 35. Cyanide covalent inhibitor	ne of the following or ring oogenesis in fer Oogonia Ovum Primary oocytes Secondary oocytes s occupy the active s t bond, thus comes u	male reproduct	ive system?
34. Which o body du A. B. C. D. 35. Cyanide covalent	ne of the following or ring oogenesis in fer Oogonia Ovum Primary oocytes Secondary oocytes s occupy the active s t bond, thus comes u	male reproduct site of enzymes inder the	ive system?
<ul> <li>34. Which o body du</li> <li>A.</li> <li>B.</li> <li>C.</li> <li>D.</li> <li>35. Cyanide covalent inhibitot</li> <li>A.</li> </ul>	ne of the following or ring oogenesis in fer Oogonia Ovum Primary oocytes Secondary oocytes s occupy the active s t bond, thus comes u rs. competitive	male reproduct site of enzymes inder the	ive system?
34. Which o body du A. B. C. D, 35. Cyanide covalent inhibitor A. B.	ne of the following or ring oogenesis in fer Oogonia Ovum Primary oocytes Secondary oocytes s occupy the active s t bond, thus comes u rs. competitive irreversible	male reproduct site of enzymes inder the	ive system?
34. Which o body du A. B. C. D, 35. Cyanide covalent inhibitor A. B. C.	ne of the following or ring oogenesis in fer Oogonia Ovum Primary oocytes Secondary oocytes s occupy the active s t bond, thus comes u rs. competitive irreversible non-competitive reversible	male reproduct site of enzymes inder the	ive system?
34. Which o body du A. B. C. D. 35. Cyanide covalent inhibitor A. B. C. D.	ne of the following or ring oogenesis in fer Oogonia Ovum Primary oocytes Secondary oocytes s occupy the active s t bond, thus comes u rs. competitive irreversible non-competitive reversible	male reproduct	ive system?
<ul> <li>34. Which o body du</li> <li>A.</li> <li>B.</li> <li>C.</li> <li>D.</li> <li>35. Cyanide covalent inhibitor</li> <li>A.</li> <li>B.</li> <li>C.</li> <li>D.</li> </ul>	ne of the following or ring oogenesis in fer Oogonia Ovum Primary oocytes Secondary oocytes s occupy the active s t bond, thus comes u rs. competitive irreversible non-competitive reversible	male reproduct	ive system?
<ul> <li>34. Which o body du</li> <li>A.</li> <li>B.</li> <li>C.</li> <li>D.</li> <li>35. Cyanide covalent inhibitor</li> <li>A.</li> <li>B.</li> <li>C.</li> <li>D.</li> </ul>	ne of the following or ring oogenesis in fer Oogonia Ovum Primary oocytes Secondary oocytes s occupy the active s t bond, thus comes u rs. competitive irreversible non-competitive reversible	male reproduct	ive system?
34. Which o body du A. B. C. D. 35. Cyanide covalent inhibitot A. B. C. D.	ne of the following or ring oogenesis in fer Oogonia Ovum Primary oocytes Secondary oocytes s occupy the active s t bond, thus comes u rs. competitive irreversible non-competitive reversible	male reproduct	ive system?

36. Which one of the following is the first electr from FADH <sub>2</sub> during electron transport chain?	
A. Coenzyme Q	
B. Cytochrome a	
B. Cytochrome a C. Cytochrome b	
D. Cytochrome c	
37. Which one of the following is anaerobic bac	terium?
A. Campylobacter	
B. E. coli	
C. Pseudomonas	
D. Spirochete	
38. Which one of the following hormones has g	eater
influence on peripheral vasoconstriction wit	h net effect
in the rise of blood pressure?	
A. Antidiuretic hormone	
B. Epinephrine	
www.exa C Nor-epinephrine	
D. Thyroid stimulating hormone	
39. At the end of ileum, there is a/an	_ sphincter
that opens and closes time to time to allow a	a small
amount of residue to enter the large intestir	ie.
A. hepatic	
B. cardiac	
C. ileocolic	
D. pyloric	
40. Which one of the following was key point of	
Darwinism?	
A. Decent with modification	
B. Endosymbiont hypothesis	
C. Inheritance of acquired characters	
D. Use and disuse of organs	
www.examoo.com www.examoo.com www.examoo.com	

	ion is the cause of inflammation in upper tory tract?
Α.	Acetyl amine
В.	Ampicillin
С.	Histamine
D.	Tetracycline
42. Hemop	hilia type A and B zigzag from
wwgrandfa	ther through a carrier daughter to a
Α.	maternal, granddaughter
В.	maternal, grandson
C.	paternal, granddaughter
www.cxa D.o	paternal, grandson
43. At whic	h of the following reactions of glycolysis, ATP is
	volved directly?
www.examoo.	When 1,3-Bisphosphoglycerate is converted
А.	into 3-phosphoglycerate
www.exa B.	When Fructose 6-phospate is converted into
	fructose 1,6-bisphosphate
C C	When glucose is converted into glucose 6-
www.exarcio.	phosphate
D.	When glyceraldehyde 3-phosphate is
www.examoo	converted into 1,3-Bisphosphoglycerate
44. Which o	one of the following is NOT the bacteria?
Α.	Acanthurus nigrofuscus
B.	Epulopiscium fishelsoni
C.	Hyphomicrobium
D.	Mycoplasma Spp
45. Groups	of ribosomes associated with rough
	asmic reticulum and Golgi apparatus present in
	body of neurons, is termed as
	com www.cxamoo.com www.cxamoo.com www.cxamoo.com
A.	•
	Nissl's granules Node
	Polysomes
www.exa.D.	•
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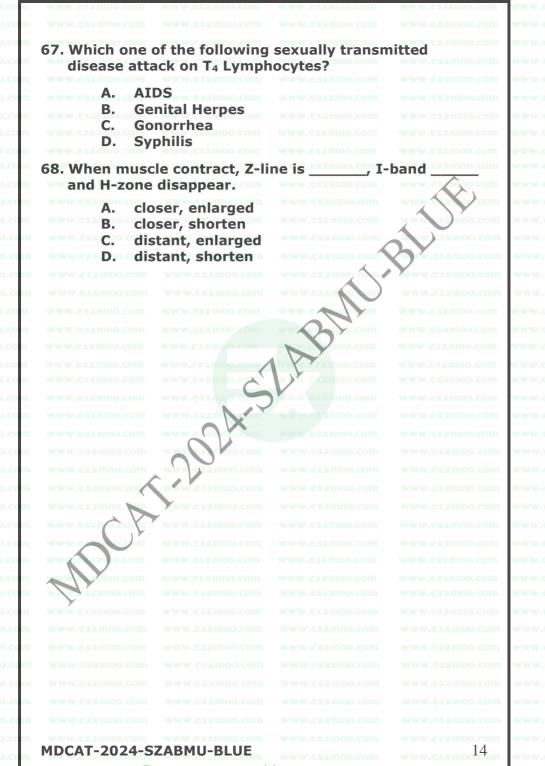
moo.com www.e

46. Lungs a	
membra	anous sacs called
Α.	Epicardium
В.	Larynx
С.	Parabronchi
D.	Pleura
	one of the following monosaccharides is a
Α.	Fructose
www.exa.B.	Galactose
www.cxa C.	Glucose Calmon Com
www.cxaD.o	Ribose examos.com
	oots, apoplast pathway becomes discontinuous ndodermis due to the presence of
Α.	casparian strips
B.	hydathodes
<b>C</b>	
С.	pericyclic
С. D.	pericyclic plasmodesmata
D. 49. Which d	plasmodesmata of the following glands is mainly related to the on of stress hormones?
D. 49. Which d	plasmodesmata of the following glands is mainly related to the on of stress hormones? Adrena gland
D. 49. Which o secretio	plasmodesmata of the following glands is mainly related to the on of stress hormones? Adrena gland Parathyroid gland
D. 49. Which o secretic A. B. C.	plasmodesmata of the following glands is mainly related to the on of stress hormones? Adrenal gland Parathyroid gland Pituitary gland
D. 49. Which o secretic A. B.	plasmodesmata of the following glands is mainly related to the on of stress hormones? Adrena gland Parathyroid gland
D. 49. Which o secretic A. B. C. D. 50. Which o	plasmodesmata of the following glands is mainly related to the on of stress hormones? Adrenal gland Parathyroid gland Pituitary gland
D. 49. Which o secretic A. B. C. D. 50. Which o	plasmodesmata of the following glands is mainly related to the on of stress hormones? Adrenal gland Parathyroid gland Pituitary gland Thymus gland one of the following organelles is ONLY present
D. 49. Which o secretic A. B. C. D. 50. Which o	plasmodesmata of the following glands is mainly related to the on of stress hormones? Adrena gland Parathyroid gland Pituitary gland Thymus gland one of the following organelles is ONLY present obacteria? Heterocyst Lysosomes
D. 49. Which o secretic A. B. C. D. 50. Which o	plasmodesmata of the following glands is mainly related to the on of stress hormones? Adrenal gland Parathyroid gland Pituitary gland Thymus gland one of the following organelles is ONLY present obacteria? Heterocyst
D. 49. Which o secretio A. B. C. D. 50. Which o in Cyan A. B. C.	plasmodesmata of the following glands is mainly related to the on of stress hormones? Adrena gland Parathyroid gland Pituitary gland Thymus gland one of the following organelles is ONLY present obacteria? Heterocyst Lysosomes
D. 49. Which a secretic A. B. C. D. 50. Which a 51. Which a	plasmodesmata of the following glands is mainly related to the on of stress hormones? Adrenal gland Parathyroid gland Pituitary gland Thymus gland one of the following organelles is ONLY present obacteria? Heterocyst Lysosomes Mitochondria
D. 49. Which a secretic A. B. C. D. 50. Which a in Cyan A. B. C. D. 51. Which a as surfa	plasmodesmata of the following glands is mainly related to the on of stress hormones? Adrenal gland Parathyroid gland Pituitary gland Thymus gland one of the following organelles is ONLY present obacteria? Heterocyst Lysosomes Mitochondria Ribosomes
D. 49. Which a secretic A. B. C. D. 50. Which a S1. Which a as surfa	plasmodesmata of the following glands is mainly related to the on of stress hormones? Adrenal gland Parathyroid gland Pituitary gland Thymus gland one of the following organelles is ONLY present bacteria? Heterocyst Lysosomes Mitochondria Ribosomes of the following conjugate molecules are present actants in respiratory distress syndrome? Glycolipids Glycolipids Glycoproteins
D. 49. Which a secretic A. B. C. D. 50. Which a in Cyan A. B. C. D. 51. Which a as surfa	plasmodesmata of the following glands is mainly related to the on of stress hormones? Adrenal gland Parathyroid gland Pituitary gland Thymus gland one of the following organelles is ONLY present bacteria? Heterocyst Lysosomes Mitochondria Ribosomes of the following conjugate molecules are present actants in respiratory distress syndrome? Glycolipids

quality wild(w <sup>-</sup>	ophila, the heterozygote(w/w <sup>+</sup> ) exo of fluorescent pigment in eyes than <sup>+</sup> /w <sup>+</sup> ) or white eye (w/w), this kind nce is termed as	
B. C.	Co-Dominance Complete Dominance Incomplete Dominance Over Dominance	www.cxamoo.com www.cxamoo.com www.cxamoo.com www.czamoo.com
53. In hum	an testes, spermatozoa are present	in
В.	epididymis interstitial cells seminiferous tubules sertoli cells	A ramoo.com
occurs	one of the following types of phosph in electron transport chain, when N ins to coenzyme Q in inner mitochone ane?	DH transfer
B. C.	Cyclic-Phosphorylation Non-cyclic Phosphorylation Oxidative Phosphorylation Substrate level Phosphorylation	
55. Gall sto	nes are mostly made up of	www.examoo.com
www.exarB.o.	Calcium Calcium Phosphate Cholesterol Proteins	
	one of the following allows the exch tein between the nucleus and cytop	
A. B. C. D.	Nuclear matrix Nuclear pores Nucleolus Nucleoplasm	
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57 The side	e of sheath attached	to head region	in www.examoo.com
	ophage is termed as		www.examoo.co
www.examoo.	com www.examoo.com	www.examoo.com	
В.	Capsid Collar		
C.	Core		
WWW.exa	End plate		
www.examoo.	com www.examoo.com		
	resting membrane p		
	in concentration insi	de than outside	the A
membra	ane surface.		
Α.	ten-times		www.comoo.co
Β.	fifteen-times	www.examoo.com	in viv examoo.co
С.	twenty times	www.examoo.com	Ww.examoo.co
D.	twenty-five times	www.examoo.com	www.examoo.co
59 Which	one of the following	hones is NOT th	www.examoo.co
orbit?	one of the following	bolies is not th	e part of eye
		www.com	
Α.		A Moo.com	
	Lacrimal	were cannoo.com	
	Sphenoid	V	
www.exanD.	Zygomatic	www.examoo.com	
60. Lock an	d key model (1890)	, was modified b	ру <u> </u> .
	Emil Eischer		
	Erwin Chargaff		
	Koshland		
D.	Lorenz Oken		
www.czamoo.		www.examoo.com	
	of the following part tes hydrophobic zo		
CONSTIL	ites nyarophobic zo	ne în plasma me	mbrane?
A.	Cholesterol		
В.	Fatty acid tail		
У <b>С</b> .	Glycolipids		
D.	Phosphate head		

62. Which of the following types of salivary gla located behind the jaws?	inds are
<ul> <li>A. Maxillary glands</li> <li>B. Parotid glands</li> <li>C. Sublingual glands</li> <li>D. Submaxillary glands</li> </ul>	
53. Which one of the following blood vessels h bore, thin walls, and without pulse?	as larger
A. Aorta B. Arteries C. Capillaries D. Veins	view Com non-com view camoo.com
64. During which stage of bacteriophage replic lysozyme is involved?	ation,
A. Adsorption B. Attachment C. Multiplication D. Penetration	
65. Which of the following proteins do NOT exl quaternary structure?	nibit
A. Actin B. Haemoglobin C. Insulin D. Myoglobin	
66. When a person is exposed to HIV, becomes survive, as a result the immunity developed disease is called	
A. Artificial Active Immunity B. Artificial Passive Immunity C. Natural Active Immunity	
D. Natural Passive Immunity	
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	CHEMISTRY
69	. Which compound is used as a reference for calculating the extent of stability of benzene?
	<ul> <li>A. Cyclohexane</li> <li>B. Cyclohexene</li> <li>C. 1,3,5-cyclohexene</li> <li>D. 1,3,5-cyclohexatriene</li> </ul>
70	. When CO <sub>2</sub> reacts with propyl magnesium chloride followed by acid hydrolysis, the product formed is
	A. Butanoic acid B. Ethanoic acid C. Pentanoic acid D. Propanoic acid
71	. What is the range of atomic numbers of the 3d series of transition elements?
	A. 20-30 B. 21-30 C. 22-30 D. 24-30
72	. What will be the number of atoms in 2 moles of water molecule?
	A. 6.02X10 <sup>23</sup> B: 1.24X10 <sup>24</sup> C. 1.92X10 <sup>24</sup> D. 3.61X10 <sup>24</sup>
73	Consider a reaction of A into B, if K value is 3x10 <sup>-12</sup> at 200°C then what will be the value of K at 250°C?
	A. $K = 9 \times 10^{-3} s^{-1}$ B. $K = 12 \times 10^{-3} s^{-1}$ C. $K = 6 \times 10^{-12} s^{-1}$ D. $K = 15 \times 10^{-12} s^{-1}$
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74. For boiling p depend upor	www.examoo.com		
B. ext C. inte	ount of liquid ernal atmosphe ermolecular for e of bond		
75. NaCl is an ex crystal lattic		www.ccamoo.com	ngement of
B. Oct	noclinic ahedral rahedral angular	www.examoo.com www.examoo.com www.examoo.com	
	partial pressur n mixture of ga	e calculation of ases is	any
A. Pi = B. Pi = C. Pi = D. Pi =	: P <sub>t</sub> + X <sub>i</sub> : P <sub>t</sub> R : P <sub>t</sub> X <sub>i</sub>	AB	
77. What will be constant vol		nergy of a syste	m at
Α. ΔΕ Β. ΔΕ C. ΔΕ D. ΔΕ	$= \mathbf{q} + \mathbf{P}$ $= \mathbf{q} + \mathbf{P} \Delta \mathbf{V}$		
	e following law perature?	helps to calcula	te the xamoo.com
B. Boy C. Cha	ogadro's Law /le's Law arles Law ton's Law		
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o.com www.examoo.com www.examoo.com www.examoo.com www.examo	o.com w
79. The IUPAC name of given organic compound is	o.com w
CH <sub>3</sub> -CH-CH <sub>2</sub> -CH <sub>2</sub> -CHO	o.com w
	o.com w
o.com www.examoo.com www.examoo.com www.examoo.com www.examo	o.com w
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C. 4-Chloropentanal D. 4-Chloropentanol	o.com w
	.com w
80. Which type of reaction will be occur, when an alcohol	o.com w
reacts with a carboxylic acid?	o.com w
A. Dehydration reaction	o.com w
B. Dehydrogenation reaction	o.com w
C. Esterification reaction D. Reduction reaction	o.com w
o.com www.examoo.com www.examoo.com www.examo	o.com w
81. Diamagnetic behavior of Flourine molecule is due to	o.com wv
presence of	o.com wy
A. paired electrons in d orbitals	o.com
B. paired electrons in p orbitals	o.com w
C. unpaired electrons in d orbitals D. unpaired electrons in p orbitals	o.com w
o.com www.examoo.com www.examoo.com www.examoo.com www.examo	o.com w
82. Metallic character of alkaline earth metals	o.com w
down the groups.	o.com w
o.com www.exa A.o. decréases moo.com www.examoo.com www.examo	o.com w
B. gradually increases then decreases	o.com w
D. remains same	o.com w
Actin www.clainbo.com www.clainbo.com www.clainbo.com www.clainb	o.com wy
83 Which of the following is the unit of rate of reaction?	o.com w
A. $(\text{mol-dm}^3)^{-1} \text{s}^1$ www.examoo.com	o.com w
o.com www.exaB.o.comol(dm <sup>3</sup> )s <sup>-1</sup> o.com www.examoo.com www.examo	o.com w
•	o.com w
$D.$ $mol(dm^3)^{-1}s^{-1}$	o.com w
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www.examoo.	15g, what is its theoretical yield?
www.exa.A.	18g
	25g
C. D	30g
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35. The 10P	AC name of Malonic acid CH <sub>2</sub> (COOH) <sub>2</sub> is
www.examoo.	1,2-Ethanedioic acid
В.	1,3-Propanedioic acid
C.	1,4-butanedioic acid
www.cxaipoo.	1,6-Hexadecanoic acid
www.examoo.	com www.examoo.com www.examoo.com www.examoo.com
	the IUPAC name of given compound?
CH3-CH	=CH-CH <sub>2</sub> -C≡CH
www.exa A.o.	2-Hexen-5-yne
www.exanBp.o	2-Hexen-6-yne
	4-Hexen-1-yne
www.cxa.D.	5-Hexen-1-yne
7. Which c	f the following metal forms superoxide when
	with oxygen?
www.exaA.o.	Beryllium
. В.	Lithium
С.	Magnesium
D.	Potassium
88 Chemic	equilibrium given below will shift to
	rd direction by
ZNO + C	$D_2 = 2NO_2 + Heat$
A.	decreasing pressure and increasing
	temperature
В.	decreasing the temperature
C.	increasing the concentration of NO & O <sub>2</sub>
www.exa.D.o.	increasing the pressure at moo.com www.ctamoo.com
	com www.examoo.com www.examoo.com www.examoo.com
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	come www.examoo.com www.examoo.com

	wing element will show electron utermost shell like ns <sup>2</sup> , np <sup>5</sup> ?	ic
A C WWW.cz		
B. Cl		
C. S		
D. Si		
90. What will be formute the system by the	ula of work, when work is done surrounding?	on
A. $W = -P/\Delta$	amoo.com www.examoo.com www.c	a com
B. $W = -P\Delta V$		Jnoo.com
C. $W = P/\Delta V$		
D. $W = P\Delta V$	amoo.com www.examoo.com	
91. Which product is fo	ormed by the reaction of pheno	l with
concentrated nitric		amoo.com
A. Adipic aci	dano and way of the www.ex	
B. m-Nitroph		
C. Picric acid		
D. p-Nitroph		
92. What is the nercen	ntage mass ratio of carbon and	
hydrogen in benze		
www.examoo.com www.ex	and the server of the server o	
A. 1:1 B. 3:1	Just com www.cxxmoo.com www.ex	
C. 6.1		
D. 12:1		
www.examoo.ach www.ex	amoo.com www.examoo.com www.ex	
93. Transition element	t Vanadium mostly act as	amoo.com
A. Amphoter	'iCoo com www.examoo.com www.ex	
B. Neutral		
C. Oxidizing		
> D. Reducing	agent	
the electrochemica		de of
A. Decompos	sition	
B. Dissociati	on	
C. Oxidation		
D. Reduction		
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95. Which type of catalyst is us		ophilic
substitution reactions of be	nzene?	
A. Amphoteric		
B. Lewis's acid		
C. Lewis's base		
D. Transition metals		
96. The correct stability order o	of M <sup>+4</sup> cations is	www.examoo.co
A. $Ge^{+4} < Pb^{+4} < Sn^{+4}$	+4.ww.examoo.com	
B. Ge <sup>+4</sup> < Sn <sup>+4</sup> < Pb <sup>+</sup>		www.xzmoo.co
C. $Ge^{+4} > Pb^{+4} > Sn^{+1}$		www.examoo.co
D. $Ge^{+4} > Sn^{+4} > Pb^{+1}$		www.examoo.co
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97. Which type of isomerism is	shown by fuma	ric acid and
maleic acid?	www.częsol.ym	
A. Functional group is	somers	
B. Geometrical isome	rs	
C. Optical isomers	www.c.c.xamoo.com	
D. Position isomers	v v v c camoo.com	
98. Unimolecular nucleophilic s	ubstitution read	tion
involves		
ast Division		
A. 1 <sup>st</sup> order kinetics		
B. 2 <sup>nd</sup> order kinetics		
C. 3 <sup>rd</sup> order kinetics		
D. zero order kinetics		
99. What will be the molarity of	f HCl solution w	ith pH=4?
A. 0.0001		
B. 0.0004		
C. 0.004		
www.exa D.o.c.4.0 www.examoo.com		

100. If wea	ak acid is diluted wit	th water, then H	l <sup>+</sup> ions
n www.examoo	ntration will	www.examoo.com	www.examoo.com
m www.exarA.o.	decrease amoo.com	www.examoo.com	www.examoo.com
B. C.	gradually decreas	es then increase	www.examoo.com
D.	remain same		www.examoo.com
	one the following i ochemical cell?	s NOT an examp	ble of
Α.	Electrolytic cell		www.co.ab.co.com
B.	Photovoltaic cell		www.cramoo.com
C.	Solar cell	www.examoo.com	of the state of th
D.	Voltic cell	www.examoo.com	examoo.com
102. The sa formu	aturated alicyclic hy	drocarbons hav	e the general
		- Pr	www.examoo.com
	C <sub>n</sub> H <sub>2n</sub>		www.examoo.com
	CnH2n+1		www.examoo.com
D.	C <sub>n</sub> H <sub>2n+2</sub> C <sub>n</sub> H <sub>2n-2</sub>	Literanoo.com	www.examoo.com
D. 103. If half			
D. 103. If half much A.	C <sub>n</sub> H <sub>2n-2</sub> -life of a chemical r time is required for 30 min		
D. 103. If half much A.	C <sub>n</sub> H <sub>2n-2</sub> F-life of a chemical r time is required for 30 min 60 min		
D. 103. If half much A.	C <sub>n</sub> H <sub>2n-2</sub> F-life of a chemical r time is required for 30 min 60 min 90 min		
D. 103. If half much A. B. C. D.	C <sub>n</sub> H <sub>2n-2</sub> F-life of a chemical r time is required for 30 min 60 min 90 min 120 min	its 87.5% comp	oletion? www.examoo.com www.examoo.com www.examoo.com www.examoo.com
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D. 103. If half much A. B. C. D.	C <sub>n</sub> H <sub>2n-2</sub> F-life of a chemical r time is required for 30 min 60 min 90 min 120 min	its 87.5% comp	oletion? www.examoo.com www.examoo.com www.examoo.com www.examoo.com
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D. 103. If half much A. B. C. D. 104. The or A. B. C.	C <sub>n</sub> H <sub>2n-2</sub> F-life of a chemical r time is required for 30 min 60 min 90 min 120 min 120 min kidation of methana Acetic acid Formic acid Methanol	its 87.5% comp al results in the f	oletion? www.examoo.com www.examoo.com www.examoo.com www.examoo.com
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D. 103. If half much A. B. C. D. 104. The O A. B. C. D.	C <sub>n</sub> H <sub>2n-2</sub> -life of a chemical r time is required for 30 min 60 min 90 min 120 min tidation of methana Acetic acid Formic acid Methanol Propanoic acid	its 87.5% comp	vww.examoo.com www.examoo.com www.examoo.com www.examoo.com formation of www.examoo.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 www.examoo.com

105. Which of the following metal hydroxide is the strongest base? Α. Ca(OH)<sub>2</sub> LiOH **B**. C. Mg(OH)<sub>2</sub> NaOH D. 106. Which one of the following molecules has zero dipole movement? Ammonia Α. **Carbon dioxide** В. C. Hydrogen fluoride D. Water 107. How many electrons will be accommodated in subshell with Azimuthal quantum number t = 2? A. 2 B. 6 C. 10 D. 12 108. Which of the following mixture will constitute the buffer solution? A. Acetic acid & sodium acetate Acetic acid & ammonia **B**. Acetic acid and its ammonium acetate С. Ammonia & ammonium acetate D. 109. What will be the IUPAC name of neopentane? 2,2-Dimethypentane 2,2-Dimethypropane 2-Methylbutane **3-Methylbutane** MDCAT-2024-SZABMU-BLUE 22 For more past papers visit www.examoo.com

	ling to law of mass action, $K_p > K_c$ when on occurs with
A. B. C. D.	
	prrect reactivity order of the following
A. B. C. D.	H-CO-H < H-CO-R < R-CO-R H-CO-H > H-CO-R > R-CO-R H-CO-R < H-CO-H < R-CO-R H-CO-H > R-CO-R > H-CO-R
112. The an as	nion derived by deprotonation of an alcohol acts
B. C. D. 113. Who s reactio	Acidic moiety Electrophile Lewis acid Lewis base tated that enthalpy change in a chemical on is same whether the reaction takes place in step or in several steps?
A. B. C. D.	Arrhenius' Law Born Haber's Law Dalton's Law Hess's Law
	type of substituent will increase the acidic
A. B. C. D.	Electron donating substituents Electron withdrawing substituents Lewis's bases Nucleophiles

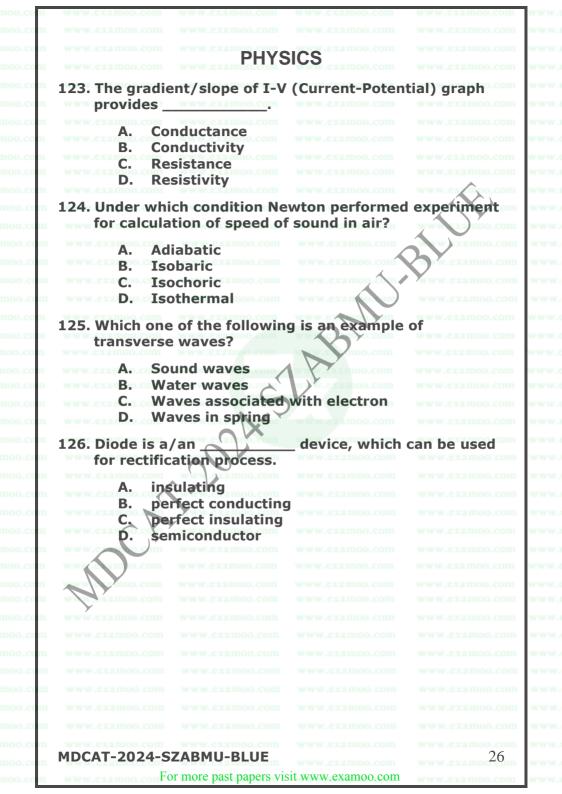
	Co-ordinate covalent bond
A. B.	Hydrogen bond
C.	Ionic bond
D.	Metallic bond
16. Which	of the following is an example of molecular
solid?	.com www.examoo.com www.examoo.com www.e
Α.	Al <sub>3</sub> N <sub>2</sub>
В.	CO <sub>2</sub>
С.	CsF www.examoo.com www.examoo.com
www.exa.D.o	NaCl www.examoo.com
	will be mole ratio of Al to Q2 after balancing
equati	on given below?
$Al_2O_3$	$\longrightarrow$ Al + $Q_2$
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Α.	1:1
B.	
C.	ci3:4 www.examo.com www.examoo.com
www.exar <b>D</b> .	c.4:3 www.examoo.com www.examoo.com www.examoo.co
18. Which	product will be formed finally on the reduction
	tic acid with LiAlH4?
Α.	Ethanal
B	Ethane
ć.	Ethanoic acid
D.	Ethanol
19. The m	elting and boiling point of alcohols are high as
/	red to corresponding alkanes due to
Α.	Dipole-dipole interaction
В.	Hydrogen bonding
	Ionic interactions
C.	Van der Waal interactions

	any moles of oxyge stion of 2 moles of		www.examoo.com
	08	www.examoo.com	
B.	10		
С.	12		
D.	14		
121. The e/i electro	m ratio of proton is n.	that	of an
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A. B.	1837 times greate equal to	r than	www.ccanoo.com
www.exalco.c	greater than	www.examoo.com	W WY XA MOO.CO
www.cxa.D.o.c	smaller than	www.examoo.com	www.examoo.com
122. At cons	stant volume, the h	eat supplied to	a system is
	equal to its		
www.examoo.co	bond energy		
	enthalpy change	V	
	heat of sublimatio	n V	
	internal energy ch		
	om www.examoo.com	www.examoo.com	
	om www.exam	www.examoo.com	
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	2024-	www.examoo.com www.examoo.com www.examoo.com www.examoo.com	
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127. The SI-unit of capacitance of capacitor is also be expressed as	Farad, it can
$A.  \frac{A^2s^2}{Nm}$	www.examoo.com ww www.examoo.com ww
$\mathbf{B.}  \frac{A^2 s^3}{Nm}$	www.examoo.com wy www.examoo.com wy www.examoo.com wy
<b>C.</b> $\frac{A^3s}{Nm}$	
m www.examo.com www.examoo.com www.examoo.com www.examoo.com	www.com.com www.com.com www.com.com
128. The strength of radiation source is indicat activity measured in Becquerel. So, 10 Bec equal to decay per second.	
A. 10 B. 100	www.examoo.com ww
C. 1000 D. 10000	www.examoo.com ww
129. If 60A current passes through a wire in 60 What will be the value of charge existing i	) seconds. n the wire?
A. $4.6 \times 10^{-3}$ C B. $3.6 \times 10^{-3}$ C	www.examoo.com ww
C. 2,6 x 10 <sup>3</sup> C	www.examoo.com ww
D. 3.6 x 10 <sup>3</sup> C 130. What will be the fundamental frequency in	
string, when it is plucked at central point a speed of 48 ms <sup>-1</sup> with string length of 8	
A. 3 Hz	www.examoo.com ww www.examoo.com ww
C. 9 Hz	www.examoo.com ww
D. 12 Hz www.examoo.com www.examoo.com www.examoo.com www.examoo.com	www.examoo.com ww
m www.examoo.com www.examoo.com www.examoo.com m www.examoo.com www.examoo.com www.examoo.com	www.examoo.com w
m www.examoo.com www.examoo.com www.examoo.com	www.examoo.com
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	at value of angle between the magnetic field
	ity and vector area, the magnetic flux becomes
zero?	
A.	0° www.examoo.com www.examoo.com www.examoo.co
B.	30° www.examoo.com www.examoo.com www.examoo.c
C.	45°
D.	90° www.examoo.com www.examoo.com www.examoo.co
32 The ki	netic energy of emitted electrons in
	electric effect can be increased by increasing
prioco	
www.examoo	com any cramos con any cramos com any ramos c
Α.	applied potential of electrodes
	frequency of electromagnetic wave
	intensity of incident light
www.exa. <b>D</b> .o	momentum of incident photon
33. Which	of the following rule helps us to detect the
directi	on of angular velocity?
Α.	Head to tail rule
www.exanBp.	Kirchhoff rule
www.exarC.	Left hand rule
D.	Right hand rule
34 Which	one of the following is the best condition for
	ming maximum work by any thermodynamic
syster	
www.examoo	core www.examoo.com www.examoo.com www.examoo.c
Α.	Adiabatic condition
В.	Isobaric condition
Ç.	Isochoric condition
0.	Isothermal condition
.35. The ad	cceleration can be determined by the gradient of
	com www.examoo.com www.examoo.com www.examoo.com
A.	Displacement-time graph
www.exa.B.o.	Force-time graph
www.cxa C.o.	Speed-time graph
	Velocity-time graph www.cxamoo.com
www.examoo	
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useu	ating current genera o convert	tor is a device into	which is ·
A. B. C. D.	Chemical energy, El Chemical energy, M Electrical energy, M Mechanical energy,	echanical ener	9 Y 9 Y
137. Electr	on-volt is the unit of	www.examoo.com	www.examoo.com
A. B. C. D.	Charge Current Electric potential Energy	www.examoo.com www.examoo.com www.examoo.com www.examoo.com	JUE .
capac flash. betwe	ectric flash attachme itor for storing the en In one such unit, the en the plates of 20F ergy that is used to p	ergy used to p potential diffe capacitor is 5V.	roduce the rence Calculate
B. C.	250 J 310 J 500 J 650 J	A rico.com	
139. Cance	rous thyroid is treate	d with	www.examoo.com
A.	Chlorine-36 Coblt-60 Iodine-131		
В. С. D,	Radium-226		
C. D,		netic flux is me	asured in occor
C. D,	Radium-226 ate of change of magn  Coulomb Ohm	www.examoo.com netic flux is mea www.examoo.com www.examoo.com www.examoo.com	www.examoo.com www.examoo.com www.examoo.com www.examoo.com
C. D. 140. The ra A. B.	Radium-226 ate of change of magn 		
C. D, 140. The ra A. B. C. D.	Radium-226 ate of change of magn  Coulomb Ohm Volt Watt		
C. D, 140. The ra A. B. C. D.	Radium-226 ate of change of magn  Coulomb Ohm Volt Watt		

are m	odies with kinetic er oving with equal line masses is		,
Α.	1:1		
В.	1:2		
L.	1:4		
D.	4:1		
	yman series contain		in the
Α.	far-infrared region	www.examoo.com	www.com
В.	infrared region	www.examoo.com	
C.	ultraviolet region	www.examoo.com	yww.examoo.com
D.	visible region	www.examoo.com	www.examoo.com
143. The ra	te of change of linea	ar momentum is	equal to
www.examoo.	com www.examoo.com	A A A A A A A A A A A A A A A A A A A	
	Force Impulse		
	Torque		
	Velocity		
		www.cxamoo.com	www.examoo.com
144. The sl then t	ope of velocity-time he body is said to be	graph gradually moving with	decreases, ·
Α.	Negative accelerat	ion	
В.	Positive acceleration	on	
C.	Uniform velocity		
D,	Variable accelerati	on	
	tish Engineering systopower. Numerically 2		
N	7460 wette		
> A. B.	7460 watts 74600 watts		
www.cxa.C.	74600 watts		
www.exaiDio			
www.examoo			
			30

146. KIIOW	att hour is the commercial unit of electrical
	gy. 1Kwh is equal to
Α.	3.6 meV
	3.6 MeV
WWW.CAALLOU	3.6 J
D.	. 3.6 MJ
www.initia	netic energy of a body becomes four times of the I value, then the new momentum will
www.examo	o.com www.examoo.com www.examoo.com www.examoo.co
A. B.	
	become four times of its initial value
	remain constant
149 That	urns ratio of a step-up transformer is 5. A
	ent of 20A is passed through its primary coil at
	. Calculate the value of voltage in secondary coil?
	o.com www.examoo.com www.examoo.com www.examoo.com
	1000V 1025V
	1025V 1050V
149 In an	y electric circuit, power output (Pout) will be
	mum when
(Whe	reas R = External Resistance, r = Internal
Resis	tance) www.examoo.com www.examoo.com www.examoo.co
Α.	$\mathbf{R} = 0$ but $\mathbf{r} \neq 0$
В.	$r = 0$ but $R \neq 0$
C.	$R = \infty$ and $r = 0$
D.	R = r
150. A ma	n pulls a trolley through a distance of 50 m by
	ring a force of 100N, which makes an angle of 60°
	x-axis. Calculate the work done by the man?
(Cose	50°=0.5) w.examoo.com www.examoo.com www.examoo.co
www.examo	2500 J
В.	o.com www.examoo.com www.examoo.com www.examoo.co
	6430 J
С.	
C. D.	

151. In an i	isothermal condition or	f any thermod	vnamic
	n, the change in intern		www.examoo.com
Α.	becomes maximum		
В.	becomes minimum be	ut greater tha	ı zero
C.			
D.	remains constant		
	one of the following fation Compton's shift?	actors is the b	est for
Calcula	com www.examoo.com wy		
Α.	Angular spin of electronic spin	on	www.czamoo.com
В. С.	Energy of electron	ww.examoo.com	www.cxamoo.com
	Energy of photon Scattering angle of p	hotor	www.examoo.com
	com www.examoo.com wy	ww.examoo.com	www.examoo.com
	stantaneous accelerati		
	niform speed in a circl		ards the
center	of circle is referred as	· · · · · ·	
www.exarAp.	Angular acceleration	a Choo.com	
	Centrifugal accelerat	ion	
	Centripetal accelerat	ion com	
www.exanDo.	Tangential accelerati		
		onoo.com	5 0.693
154. If the	half-life of any tadioac	on tive nucleus is	
154. If the	half-life of any tadioac what will be the value of	on tive nucleus is	
154. If the year, v A.	half-life of any tadioac what will be the value o 0.001 s <sup>-1</sup>	on tive nucleus is	
154. If the year, v A. B.	half-life of any tadioac what will be the value 0.001 s <sup>-1</sup> 0.01 s <sup>-1</sup>	on tive nucleus is	
154. If the year, v A. B.	half-life of any tadioac what will be the value 0.001 s <sup>-1</sup>	on tive nucleus is	
154. If the year, v A. B.	half-life of any tadioac what will be the value 0.001 s <sup>-1</sup> 0.01 s <sup>-1</sup>	on tive nucleus is	
154. If the year, v A. B. C. P.	half-life of any tadioac what will be the value 0.001 s <sup>-1</sup> 0.01 s <sup>-1</sup> 0.1 s <sup>-1</sup> 1 s <sup>-1</sup>	on tive nucleus is of decay const	ant?
154. If the year, v A. B. C. D. 155. Which	half-life of any tadioac what will be the value $0.001 \text{ s}^{-1}$ $0.01 \text{ s}^{-1}$ $0.1 \text{ s}^{-1}$ $1 \text{ s}^{-1}$ one of the following is	on tive nucleus is of decay const	ant?
154. If the year, v A. B. C. D. 155. Which	half-life of any tadioac what will be the value 0.001 s <sup>-1</sup> 0.01 s <sup>-1</sup> 0.1 s <sup>-1</sup> 1 s <sup>-1</sup>	on tive nucleus is of decay const	ant? f angular
154. If the year, v A. B. C. D. 155. Which displac A.	half-life of any tadioac what will be the value 0.001 s <sup>-1</sup> 0.01 s <sup>-1</sup> 1 s <sup>-1</sup> one of the following is cement? Degree	on tive nucleus is of decay const	ant?
154. If the year, v A. B. C. D. 155. Which displac A. B.	half-life of any tadioac what will be the value of $0.001 \text{ s}^{-1}$ $0.01 \text{ s}^{-1}$ $0.1 \text{ s}^{-1}$ $1 \text{ s}^{-1}$ one of the following is cement? Degree Radian	on tive nucleus is of decay const the SI-unit o	ant? f angular
154. If the year, v A. B. C. D. 155. Which displac A. B. C.	half-life of any tadioac what will be the value of $0.001 \text{ s}^{-1}$ $0.01 \text{ s}^{-1}$ $0.1 \text{ s}^{-1}$ $1 \text{ s}^{-1}$ one of the following is cement? Degree Radian Revolution	on tive nucleus is of decay const	ant? f angular
154. If the year, v A. B. C. D. 155. Which displac A. B. C.	half-life of any tadioac what will be the value 0.001 s <sup>-1</sup> 0.01 s <sup>-1</sup> 0.1 s <sup>-1</sup> 1 s <sup>-1</sup> one of the following is cement? Degree Radian Revolution	on tive nucleus is of decay const	ant?
154. If the year, v A. B. C. D. 155. Which displac A. B. C.	half-life of any tadioac what will be the value 0.001 s <sup>-1</sup> 0.01 s <sup>-1</sup> 1 s <sup>-1</sup> 1 s <sup>-1</sup> one of the following is cement? Degree Radian Revolution Steradian	on tive nucleus is of decay const	ant? f angular
154. If the year, v A. B. C. D. 155. Which displac A. B. C. D.	half-life of any tadioad what will be the value 0.001 s <sup>-1</sup> 0.01 s <sup>-1</sup> 0.1 s <sup>-1</sup> 1 s <sup>-1</sup> 1 s <sup>-1</sup> Degree Radian Revolution Steradian	on tive nucleus is of decay const	ant?
154. If the year, v A. B. C. D. 155. Which displac A. B. C. D.	half-life of any tadioac what will be the value 0.001 s <sup>-1</sup> 0.01 s <sup>-1</sup> 0.1 s <sup>-1</sup> 1 s <sup>-1</sup> one of the following is cement? Degree Radian Revolution Steradian	on tive nucleus is of decay const	ant? www.examoo.com www.examoo.com f angular www.examoo.com www.examoo.com www.examoo.com www.examoo.com www.examoo.com www.examoo.com
154. If the year, v A. B. C. D. 155. Which displac A. B. C. D.	half-life of any tadioac what will be the value 0.001 s <sup>-1</sup> 0.01 s <sup>-1</sup> 1 s <sup>-1</sup> 1 s <sup>-1</sup> Degree Radian Revolution Steradian	on tive nucleus is of decay const	ant? f angular
154. If the year, A. B. C. D. 155. Which displac A. B. C. D.	half-life of any tadioac what will be the value 0.001 s <sup>-1</sup> 0.01 s <sup>-1</sup> 0.1 s <sup>-1</sup> 1 s <sup>-1</sup> 1 s <sup>-1</sup> Degree Radian Revolution Steradian	on tive nucleus is of decay const s the SI-unit o	ant? f angular

156. By increasing the temperature of medium about 1°C, the speed of sound is increased up to A. 0.41 ms<sup>-1</sup> B. 0.51 ms<sup>-1</sup> C. 0.61 ms<sup>-1</sup> D. 0.71 ms<sup>-1</sup> 157. At what angle made by projectile with x-axis, we can aet 1/4<sup>th</sup> value of maximum height achieved by projectile? 30° Α. **B**. 45° C. 60° 90° D. 158. Which one of the following materials has negative temperature coefficient of resistance? A. Copper B. Germanium C. Sulphur D. Zinc 159. There is no net transfer of energy by particles of medium in Longitudinal wave А. Progressive wave Β. Stationary wave Transverse wave 160. In which of the following condition, the thermodynamic system DOES NOT perform any work? Adiabatic condition Α. **Isobaric condition** B. C. Isochoric condition Isothermal condition MDCAT-2024-SZABMU-BLUE 33 For more past papers visit www.examoo.com

we can get maximum value of Compton's	shift?
www.exa.Aco <sup>0</sup> www.examoo.com www.examoo.com	
www.exarBcr45 <sup>o</sup> www.examoo.com www.examoo.com	
www.cxatCco90 <sup>o</sup> www.cxamoo.com	
D. 180 <sup>o</sup>	
162. Which of the following series of hydrogen lies in visible region?	spectrum
A. Balmer	www.ccamoo.com
B. Bracket	www.cxamoo.com
www.exa C.o. Lyman .exa moo.com www.exa moo.com	w.examoo.com
www.exa D. Paschen xamoo.com www.examoo.com	Ywww.examoo.com
163. How many electrons are there in one Coul charge?	omb
A. $6.25 \times 10^{15}$	
B. $6.25 \times 10^{16}$	
C. $6.25 \times 10^{17}$	
D. $6.25 \times 10^{-18}$	
D. 0.25 X 10-3	
164. The SI-unit of magnetic flux is weber. We	ber can also
www.be expressed as	
A. Joule per ampere	
B. Joule per coulomb	
C. Newton per ampere	
www.exa D Newton per coulomb w.examoo.com	
165. The electrostatic force between two point	-charges is
independent of one of the following quant	
A. Distance between charges	
B. Magnitude of charges	
C. Medium between charges	
D. Temperature of charges	
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	www.examoo.com
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166. What will be the time period of wave generator if it produces 1000 waves in 10 seconds? Α. 0.001s 0.01s **B**. C. 0.02s 0.1s D. 167. The quantity of motion present in a body can be measured by Acceleration Α. В. Momentum C. Speed D. Velocity 168. The SI-unit of relative permittivity is has  $C^{2}$  $N.m^2$  $\frac{C^{-1}}{N.m^{-2}}$ **C**<sup>-2</sup> N.m no Unit D. 169. A coil of 100 turns is linked by a flux of 20 mWb. If this flux is reversed in a time of 2 ms, calculate the average induced emf in the coil? 1000 volts 2000 volts 3000 volts 4000 volts 170. The Lenz's law of electromagnetic induction is in accordance with law of conservation of Α. Charge Energy Β. C. Mass Momentun MDCAT-2024-SZABMU-BLUE 35 For more past papers visit www.examoo.com

171. Which one of the following is the SI-unit of conventional current in a conductor? Ampere Α. Coulomb **B**. Ohm C. Ohm meter D. 172. How much phase difference is required between two waves to form destructive interference? **0**° Α. 45° Β. C. 90° D. 180° 173. Which one of the following is the unit of electric field intensitv? A. Newton per Ampere B. Newton per volt C. Volt per Coulomb D. Volt per meter 174. A rotating pulley completes twelve revolutions in 4 seconds, calculate the average angular velocity of rotating pulley in revelation per second? А. 3 4 5 В. C. 5 D. 6 175. Tesla is the SI-unit of magnetic field intensity. Tesla can also be expressed as \_ A. N<sup>-1</sup>A<sup>-1</sup>m<sup>-1</sup> B. N<sup>-1</sup>Am<sup>-1</sup> C. NA<sup>-1</sup>m<sup>-1</sup> NAm<sup>-1</sup> MDCAT-2024-SZABMU-BLUE 36 For more past papers visit www.examoo.com

176. In one dimensional elastic collision of two bodies of same masses, what will happen if moving body collides with the mass which is initially at rest?

A. The collision would become inelastic

B. Their velocities will be interchanged

C. Their velocities will remain same

D. Velocities of both bodies will be zero

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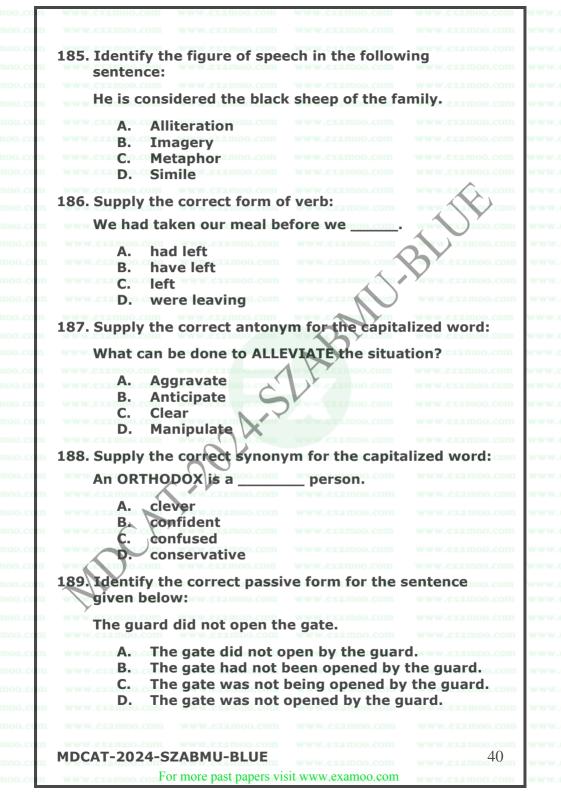
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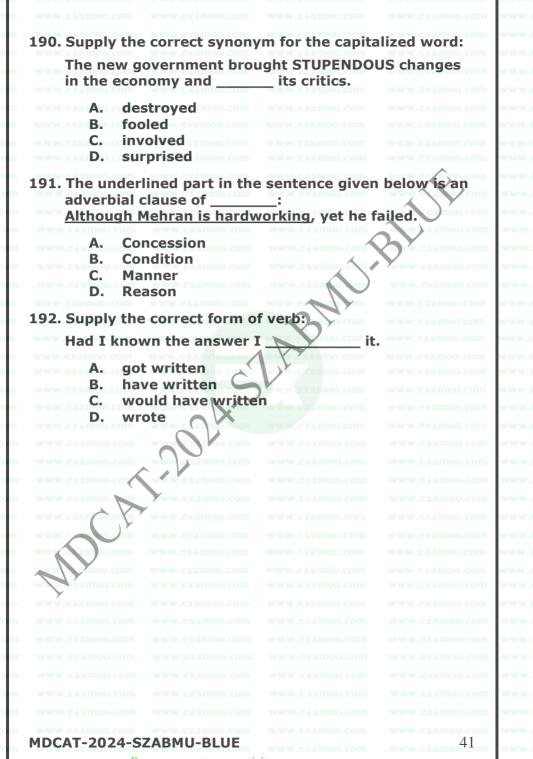
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ENGLISH	
Complete the sentences by choosing th option, from the given lettered choices below each.	
177. Supply the correct preposition:	
I was almost back my classroom de heard a strange noise.	oor when I
A. at B. by C. in D. to	31
178. Supply the correct form of verb:	
Farah has planned before the nex	t term.
A. resign B. resignation C. resigning D. to resign	
179. Identify the type of sentence given below	www.examoo.c
The caliph noticed the merchant.	
A. Complex B. Compound C. Compound-complex D. Simple	
180, Supply the correct preposition:	
Have you been in this company six	weeks?
A. during B. for	
C. just D. since	
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101 Identi	com www.examoo.com www.examoo.com	www.cxamoo.com
	fy the correct indirect form for the so below:	
The sp me?"	beaker said to the audience, "Will you	u listen to
A.	The speaker asked the audience if a listened to him.	they had
www.cxa.B.	The speaker asked the audience if	they will
	The speaker asked the audience if	they would
D.	The speaker asked the audience to him.	fisten to
182. Identi	fy the correct spelling:	www.examoo.com
www.examoo	Discremination	www.examoo.com
В.	Discrimenation	www.examoo.com
C.	Discrimination	www.examoo.com
D.	Disscrimnation	www.examoo.com
183. Supply	y the correct antonym for the capital	ized word:
	ECKLESS behavior is not acceptable more	You have
Α.	careful	www.examoo.com
В.	com www.c.x.moo.com www.c.x.moo.com	www.examoo.com
C.	hardworking	www.examoo.com
D.	Kind	www.examoo.com
	lete the sentence using the appropria	ate
puncti	uation mark:	www.examoo.com
Punish		aling art of
wicke	dness. ww.examoo.com www.examoo.com	www.examoo.com
У А.	com www.cxamoo.com www.cxamoo.com	www.czamoo.com
B	.com www.examoo.com www.examoo.com	www.examoo.com
C,	;	www.examoo.com
D.		www.examoo.com
		www.examoo.com
		www.examoo.com
		www.examoo.com
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## Questions 193-194

"This is the way, Jess," said my father, pointing with his cane across the deep valley below us. "I want to show you something you've not seen for many years!"

"Isn't it too hot for you to do much walking?" I wiped the streams of sweat from my face to keep them from stinging my eyes.

I didn't want to go with him. I had just finished walking a half mile uphill from my home to his. I had carried a basket of dishes to Mom. There were two slips in the road and I couldn't drive my car and I knew how hot it was. It was 97 in the shade. I knew that from January until April my father had gone to eight different doctors. One of the doctors had told him to get a taxi to take him home. But my father walked home five miles across the mountain and told my Mom what the doctor had said. Forty years ago, a doctor had told him the same thing. And he had lived to raise a family of five children. He had done so much hard work in those years as any man.

193. The sentence "It was 97 in the shade." refers to the

siblinas.

42

A. age B. distance C. temperature D. year

> four five six no

194. The narrator has

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	LOGICAL REASONING
	The high school math department needs to appoint a new chairperson on the basis of seniority. Ms. Madiha is less senior than Mr. Tanvir but more than Ms. Aiyza.
	Mr. Rehan is more senior than Ms. Madiha but less than Mr.
	Tanvir. Mr. Tanvir doesn't want the job.
	195. Who will be the new chairperson of math department?
	A. Mr. Rehan B. Mr. Tanvir C. Ms. Aiyza D. Ms. Madiha
	196. What are the missing alphabets in the sequence EZFA, GBHY, IXJC,?
	A. KDLW B. KLDW C. KWLD D. LDKW
	197. "All practical numbers are even" is a false statement then the true statement is
	<ul> <li>A. all practical numbers are odd</li> <li>B. some practical numbers are not even</li> <li>C. some practical numbers are even</li> <li>D. some practical numbers are not odd</li> </ul>
	198. In a group of 100 players, 70 play football, 50 play hockey, and 55 play cricket. 30 play both hockey and cricket, 25 play both football and hockey and 20 play all three games. How many players play both football and cricket?
	A. 25 B. 30 C. 35 D. 40

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199. A customer has filed a complaint about your product, stating it does NOT meet his expectation. What is your course of action? Argue with the customer about the validity of Α. their complaint Customer complaint is not filed within the Β. time limit Offer a replacement С. Tell the customer it's his fault for not using D. the product correctly 200. Statements: I. Large numbers of people have fallen sick after consuming sweets from a particular shop in the locality. Major part of the locality is flooded and has become II. inaccessible. Statement I is the cause and statement II is Α. its effect. Statement II is the cause and statement I is Β. its effect. Both the statements I and II are independent C. causes. Both the statements I and II are effects of D. independent causes. MDCAT-2024-SZABMU-BLUE 44 For more past papers visit www.examoo.com