UNIVERSITY OF ENGNEERING AND TECHNOLOGY, LAHORE

ENTRANCE TEST – 2017 For F.Sc and Non-F.Sc. Students

Time Allowed: 100 Minutes Total MCQs: 100

.....

	ictions:	_			
(i)	Read the instruction on the MCQ F	•		efully.	
(ii)					
(iii)) Candidates are strictly prohibited f	rom giving an	ıy iden	tification mark exc	cept Roll No. &
	Signature in the specific columns	only.			
C	OMPULSARY QUESTION FOR IDEN	TIFICATION	Г		 1
Q-ID	-			$A \mid B \mid C \mid D$	
₹	A) BLUE C)	RED	[1
	,	YELLOW	-ID		
Λ	,		-1		oirolo
	Color of your question Paper is green				circle
	sponding to letter 'B' Against 'ID' in you	rivicQ	-2		response form
(Exac	tly as shown in the Diagram).			$\tilde{\bigcirc}$	
			-3	OOOO	
		DUVCICC			_
		PHYSICS	_		
1.	You have 20 inductors available each o	f 15 H. you ne	ed an i	inductor of 1 H in	a circuit. You
	achieve it by combination?				
	A) 15 inductors in parallel	B) 20 induc			
	C) 15 inductors in series	D) 20 indu	ctors in	ı parallel	
2.	A thermistor with negative temperatur	e co-efficient i	s place	d in a furnace. Wh	nen temperature of
	furnace increases the resistance:		•		•
	A) Decreases	B) Increase	es		
	C) Remains same	D) No effec			
3.	In frequency modulation, the amplitud	,		main same hut its	frequency changes
0.	proportion to:	c of carrier we	aves re	mam same but its	irequency changes
		D) The cign	of mo	dulating cianals	
	A) The amplitude of modulating signals	,		dulating signals	
4	C) The frequency of modulating signals	D) All of th			4l 1
4.	Reception of particular radio station is			knob wnich change	es tne?
	A) Inductance	B) Capacita			
	C) Resistance	D) All of th			
5.	Density of oxygen is about 16 times tha	t of hydrogen.	There	fore if speed of hy	drogen is x, then
	speed of oxygen?				
	A) Greater than x	B) Less tha	ın x		
	C) Same than x	D) None of	these		
6.	When you drop a ball it accelerates at 9 accelerates immediately after leaving y C Less than 9.8	9.8m/sec2. If yo	ou inst	ead throw it down	ward then it
	A) 1.00 than 0.00	B) More th	an 9.8	iv all resistance.	
	C) Less than 9.8	D) None of	tnese		
7.	In an inelastic collision between two bo	dies following	s is con	served?	
• •	A) Energy	B) Moment	-	isci veu.	
	, 65	,			
0	C) Both A and B	D) None of		.1.1	J:
8.	As the water falls from the tap, the cros				uing to:
	A) Equation of continuity	B) Venturi		n	
_	C) Bernoulli's Equation	D) None of			
9.	AC voltage is passed through single did		_	out of the rectifier i	is:
	A) Full wave DC	B) Half wa	ve DC		
	C) Double frequency DC	D) None of	these		
10 .	A Police motor cycle running at 140 km	ı/hr sounds a s	siren of	f 2 Hz frequency w	hile shasing a car at
	150 Km/hr. The apparent frequency he	ard by the car	r <mark>drive</mark> :	r is:	_
	A) Greater than 2 Hz	B) Less tha			
	C) 2 Hz	D) Siren is			
	,	,			
11.	If two NOT gates in parallel are attach	ed to NAND ø	ate in s	series the gate for	med is:

A) NOR C) OR B) NAND

D) XOR

12.	In circuit X, L = 100m H and C= 100 μ F are attached in series. In circuit Y, L= 100mH and C=10 F areattached in parallel, the resonating frequency fy are related as:		
	A) $f_x = f_y$	B) $f_x = 10 f_y$	
	C) None of these	D) $f_x = 0.01 f_y$	
13.	,	t side and 500 t6urns on the output side. If rms value of	
	input voltage and current is 220V and 5A		
	A) 500 Watt	B) 1100 Watt	
1.1	C)1440 Watt	D) 50 Watt	
14.		ss 1000 Kg are both travelling at a speed of 36 Km/hr. ick in 10 sec is X newton and the force required to stop	
	the car in 10 sec is Y newton. The different		
	A) 4 MN	B) 4 KN	
45	C) 14.4 KN	D) None of these	
15 .	longest wavelengths produced on the vib	apart. It is plucked near one end, what are the three	
	A) 2m, 1m, 0.67m	B) 4m, 2m, 1.33m	
	C) 4m, 2m 1.33m	D) 1m, 0.5m, 0.33m	
16.		ssion, the angle of incidence \hat{i} of the light source on the	
	glass fiber should be?	D) Constant the month of the land	
	A) Less than critical angleC) Less than angle of refraction	B) Greater than critical angleD) Greater than angle of refraction	
17.	,	and rb both concentric with point charge Q. if ra>rb	
	then the total flux passing normally thro	ugh the sphere A and B is related as?	
	A) Flux through A is greater	B) Flux through B is greater	
18.	C) Flux through both spheres is equal	D) Flux through A may be greater or less than B	
10.	mass m1 and rms speed c1 and the secon	erature contain molecules of two kinds. The first kind is of d has mass m2 and rms speed c2. The ratio $\underline{C_1}$ is:	
		$\frac{\overline{C_1}}{C_2}$	
	Δ) m_1	B) m_2	
	A) $\frac{m_1}{m_2}$	B) $\frac{m_2}{m_1}$	
	$\begin{bmatrix} 1 \\ m \end{bmatrix}$	$\lceil m \rceil \frac{1}{2}$	
	C) $\left[\frac{m_1}{m_2}\right]^{\overline{2}}$	D) $\left[\frac{m_2}{m_1}\right]^{\frac{1}{2}}$	
19.	2 -2	a constant speed of 3000 m sec -1. The power being	
	produced by the rocket engine at this tim		
	A) 1500 KW	B) 0.16 KW	
20	C) 6 KW A shell is fired at an angle of 45 degrees a	D) None of these above ground with an initial velocity of 100 m sec_1. It will	
20.	hit the ground, assuming g = 10 in sec - 2, A) 7, seconds	by None of these above ground with an initial velocity of 100 m sec-1. It will after B) 14 seconds D) 20 seconds	
	C) 10 seconds	D) 20 seconds	
21.	In an inelastic collision between two bodi	_	
	A) kinetic energy only C) Momentum only	B) Kinetic energy and momentum D) Total energy and momentum	
22.	Young's double slit experiment is used to	study interference of:	
	C) Sound waves	D) Visible vight	
22	X 1 40 1. 311 1.60	0 T/T1/ T/	
23.	circuit using the available resistors. You	20 KW. You need to form a 2.5 KW resistor for your	
	A) Eight 20 KW in series	B) Eight 20 KW in parallel	
	C) Four 20 KW in parallel	D) None of these	
24.	-	u, each of 15 nF. You need a capacitance for around 150	
	nF in a circuit.	D) 12 conscitous in series	
	A) 10 capacitors in seriesC) 10 capacitors in parallel	B) 12 capacitors in series D) 8 capacitors in parallel	
25.	The following device does not use electro	, <u> </u>	
	A) Ultra – sound machine	B) Radar	
	C) x – Rays Machine	D) Mobile phone	
26.		g travels on a mountain for 5 minutes at constant spee Its = 10 m/sec2, it will achieve a vertical height of:	
	A) 75 m	B) 50 m	
	C) 1.2 m	D) 100 m	
27.	When a metal surface is exposed in light,	in may emit electron. The maximum energy of these	
	electrons depends on:	D) Area of motel	
	A) Intensity of light	B) Area of metal surface	

	C) Wavelength of lig	ht		D) All of these above
28.	The truth table show	vn in fi	gure is implen	nented by:
		AB O		
			•	
		00	0	
		01	1	
		10	1	
		11	0	
	A) NOR gate			B) AND gate
	C) OR gate			D) XOR gate
29. AC voltage is fed into a single diode rectifier. The output of the rectifier is:		fier. The output of the rectifier is:		
	A) Full wave rectified	d DC vo	oltage	B) Half wave rectified DC voltage
	C) Double frequency	AC vol	tage	D) Nothing
According to Heisenberg's uncertainty principle, for any given particle accurately measure: A) Both position and momentum B) Its position		rinciple, for any given particle is not possible to		
	A) Both position and	momen	ntum	B) Its position D) Its velocity
	C) Its momentum			D) its velocity



MATHEMATICS

31. -	Asim is now three	times as old as Irfan. After 10 years, Asim will be twice as old as Irfan. Asir	m's
	at this time is:	times as old as Irfan. After 10 years, Asim will be twice as old as Irfan. Asin B) 20 D) 40	

32. The solution of the equation
$$x dy + (y - 1)dx = 0$$
 is:

A)
$$\ln |x + (y - 1)| = 0$$

$$\hat{B}) x(y-1) = c$$

C)
$$xe_{(y-1)} = c$$

D)
$$xy + x(y - 1) = c$$

33. The maximum value of the function
$$f(x,y) = -x + 3y$$
 subject to constraints $-x \le 2$, $x \le 3$ and $(x,y) = (x,y) = (x,y)$ by $(x,y) = (x,y)$ by $(x,y) = (x,y)$ by $(x,y) = (x,y)$ by $(x,y) = (x,y)$ and $(x,y) = (x,y)$ by $(x,y) = (x,y)$ by

34. Vectors
$$\underline{u} = a\underline{i} - j + \underline{k}$$
 and $\underline{v} = i - 2j + b\underline{k}$ are collinear if:

A)
$$a = 1, b = 1$$

B)
$$a = \frac{1}{2}$$
, $b = 2$

C)
$$a = 2, b = \frac{1}{2}$$

D)
$$a = -1, b = -1$$

Vectors
$$u = ai - j + k$$
 and $v = i - 2j + bk$ are perpendicular if:
 $\{a, b\} \equiv \{a, b\} \equiv \{a, b\} = \{a, b\}$

36. Equation of a circle with centre at (4,3) and radius = 2 is given by:
A)
$$(x+4)2+(y+3)2=4$$

B) $4x2+3y2=4$
C) $(x2/16)+(y2/9)=4$

D)
$$x_2 + y_2 - 8x - 6y + 21 = 0$$

37. The equation
$$x_2 + \frac{(y-1)^2}{4} = 1$$
 represents:

- A) A circle with centre at (0, 1) and radius = 2
- B)A parabola with parameter a = 4
- C) An ellipse with centre at (0, 1) and minor axis of length 1
- D) A hyparabola with parameter a = 4

38. Let
$$y = \int \left[4\cos^2\left(x + \frac{\pi}{3}\right) - 2 \right] dx$$
, then *y* equals:

A)
$$4\cos^2\left(x + \frac{\pi}{3}\right) - 2x + c$$

B)
$$4\sin^2\left(x+\frac{\pi}{3}\right)-2x+c$$

$$C) \sin\left(2x + \frac{2\pi}{3}\right) + c$$

39.
$$f(x_0 + \delta x) \approx f(x_0) + f'(x_0)\delta x$$
, therefore the approximate value of Sin (\mathcal{H}) is:

C)
$$- \sqrt{10}$$

40. The hypotenuse of a right triangle is 5 cm. To obtain a triangle with maximum area, the sides

A) 4 cmand $\sqrt{39}$ cm

B) Both $\sqrt{5}$ cm

C) Both $2\sqrt{5}$ *cm*

D) Both $\frac{\sqrt{5}}{2}$ cm

41. If
$$y = e \sin x \cos x$$
, then $\frac{dy}{dx}$ is:

- A) $e_{\sin x \cos x} \sin x \cos x$
- B) $e \sin x \cos x \cos 2x$

C) $e \sin x \cos x \sin 2x$

D) None of the above

42. The function
$$f(x) = \frac{x_3^2}{2} - \frac{x_2^2}{2} + 5$$
 has:

- A) An inflexion at x = 1
- B) A relative minimum at x = 1
- C) An inflexion at x = 0
- D) A relative minimum at x = 0

43. The line that passes through the point of intersection of
$$x + y - 1 = 0$$
 and $x = 0$ and is parallel to the line $x - y = 0$ is given by:

B) $y = -x - 1$
B) $y = -x - 1$
B) $y = -x - 1$
B) $y = -x + 1$

44.
$$\log_{3} 27 - \log_{5} 25$$
 is equal to:

A)
$$\log_{4} 2$$

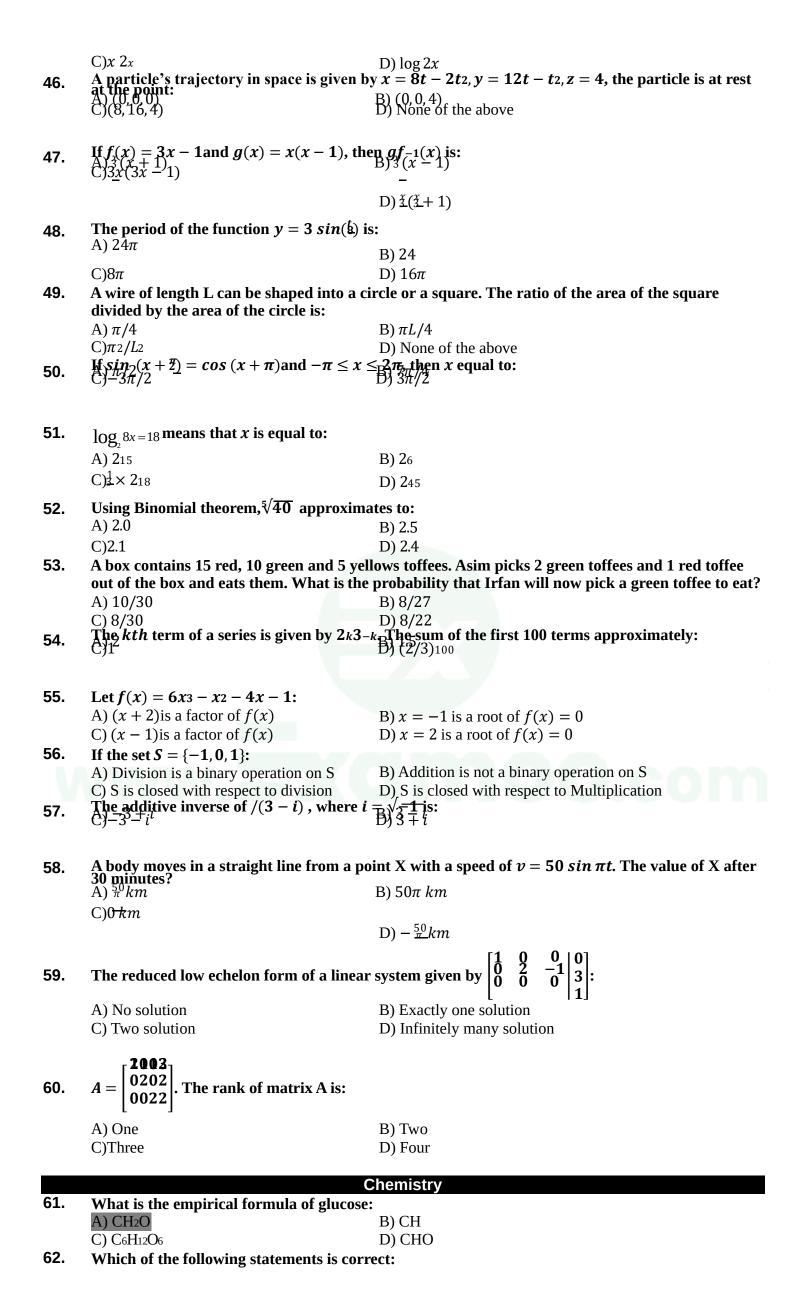
C)1

D) None of the above

If y = 2x, then 2x equals: 45.

A)
$$2x$$

B)
$$2x \ln 2$$



A) 1.008g of H has 6.02 x 10₂₃ atoms

B) 2.016g of H₂ has 2 x 6.02 x 10₂₃ atoms

C) 1.008g of H₂ has 6.02 x 10₂₃ atoms

D) Both Options A and B are correct

Note: According to given statement all options are correct but in key of UET paper 2017 the right answer is A)

63. Base principle of crystallization is:

A) Solution should be completely soluble in solvent at room temperature so that the solute is thrown out of crystals at any temperature

- B) Solute should be soluble in a suitable amount of solvent at high temperature and excess amount of solute is thrown out as crystals when it is cooled
- C)Solute should not be soluble in suitable amount of solvent at any temperature so that the solute

64.

- The burbling up of gas from soda drink is best explained by:

 A) Cas diffuses from the liquid into the surroundings
- B) Gas diffuses from the surroundings into the liquid
- C) The low density of gas as compared to the liquid cause the gas to bubble up
- D) Decreased pressure of the surroundings cause the gas to come out from high pressure liquid
- 65. The effect of pressure on density of gas is explained as under:
 - A) Increase in pressure cause decrease in density
 - B) Decrease in pressure results in increase in density
 - C) Increase in pressure causes increase in density
 - D) No effect

Note: According to given statement the right answer is C but in key of UET paper 2017 the right answer is B)

66. Forces which make the liquefaction of Helium gas possible are:

B) London dispersion forces A) Debye forces

C) Dipole dipole forces D) Liquefaction is not possible

67. **Existence of sulphur in two forms is:**

> A) Allotropy B) Polymorphy C)Isomorphy D) Anisotropy

- The boiling point of hydrofluoric acid (HF) as compared to water (H2O) is due to: 68.
 - A) Fluoride (F) being less electronegative than oxygen
 - B) Formation of one hydrogen bond by F atom per HF molecule as compared to two hydrogen bonds by

O atom per H₂O molecule

- C)Boiling point of HF is more than the boiling point of water
- D) Statement A and B are correct
- 69. Radiations emitted in the form of Photons when electrons of Hydrogen atom full from higher level to n = 1 level are in the:

A) Visible light region B) Infra-red region C)X-ray region D) Ultra-violet region

- 70. The structure of nitrogen molecule (N2) is explained by:
 - A) End to end overlap of orbitals form sigma (s) bond and sideways overlap of other orbitals form two pi (π) bonds
 - B) End to end overlap of orbitals one sigma (s) and end to end overlap of other orbitals form two pi (π)
 - C)One sigma (s) bond and two pi (π) bond
 - D) Both options A and C are correct
- 71. The solubility of sodium chloride in water is possible because:
 - A) Hydration energy of water is greater than lattice energy
 - B) Lattice energy of sodium chloride is greater than hydration energy
 - C)Ions of sodium chloride are tightly bound in their lattices
 - D) Hydration energy of water is less than lattice energy

72.	Calculate enthalpy change in formation o $2NaOH_{(aq)} + CO_{3(g)} \longrightarrow Na_2CO_{3(aq)} + H$		sing Hess's law: ΔH = -89.08kJ	(i)			
	$2\text{NaOH}_{(aq)} + \text{CO}_{2(g)} \longrightarrow \text{NaHCO}_{3(aq)} + \text{Na}$		$\Delta H =kJ$	(ii)			
			$\Delta H = -41.02 \text{kJ}$				
	$NaHCO_{3(aq)} + NaOH_{(aq)} \longrightarrow Na_2CO_{3(aq)} + NaOH_{(aq)}$	B) -48.06kJ	AH — -41.02KJ	(ii)			
	A)-130.10kJ C)+48.06kJ	D) +130.10kJ					
73.	According to first law of thermodynamics	, if thermal ene	ergy is applied to wat	ter placed in a			
	cylinder fitted with a frictionless piston: A) Thermal energy is converted into kinetic	energy of water	molecules				
	B) Pressure of water molecules increases	energy of water	morecures				
	C)The piston is pushed up						
74.	D) All of the above In the reaction $CO_{(g)} + H_2O_{(g)} \Leftrightarrow CO_{2(g)} + H_2O_{2(g)} \Leftrightarrow CO_{2(g)} + H_2O_{2(g)} + $	$\mathbf{H}_{\mathbf{a}}$; $\mathbf{\Delta}\mathbf{H} =$	-41.84kJ/mol, if hea	t is applied at			
	equilibrium stage, it is observed that:	2(g) [*]		• •			
	A) More CO ₂ and H ₂ are produced to compe						
	B) The reaction will move in backward direction C)No change will take place	ction for compe	nsation				
	D) The reaction will stop						
75.	NaCl is not soluble in acetone because:	l. N. Cl					
	A) The polarity of acetone is weak as compa B) Acetone molecules cannot overcome the		s of NaCl				
	C)Acetone is moderately polar solvent		0 01 1 1 1 0 1				
76.	D) All of the above Ethylene glycol is mixed with water in aut	omobilo radiat	ore as antifronzo bos	211001			
70.	A) It increases the boiling point of radiator of		ors as antiffeeze bec	ause.			
	B) It is non-volatile in character						
	C)Has low vapour pressure as compared to vD) All of the above	water					
77.	Oxidation number of sulphur in SO_4^{-2} is:						
	A) +6	B) +4					
70	C)-6	D) +2					
78.	During the purification process of copper, electrolytic cell, which results in:		-				
	A) Cu- from impure sheet converts to Cu+2 io B) Cu- from impure sheet converts to Cu+2 io	A) Cu- from impure sheet converts to Cu+2 ions and migrate to cathode impurities are left at anode B) Cu- from impure sheet converts to Cu+2 ions and migrate to anode. Impurities are left as cathode					
	C)Cu+2 from impure sheet converts to Cu- ar D) Cu+2 from solution migrate to cathode an	d migrate to and	ode and impurities are	left at cathode			
79.	The purpose of two half cells in a galvanio		arts to acposit on eath	louc			
	A) M	f + h-1f -	.11.				
	A) More ions can be produced due to presen B) Chemical reaction between the solutions						
	C) More current can be generated due to two		o does not take place				
80.	D) None of the above						
60.	Catalyst helps in a reaction by: A) Increasing the rate of reaction	B) Lowering th	ne actuation energy ba	rrier			
0.4	C) Increasing the actuation energy barrier	D) Both Option	ns A and B are correct				
81.	Sub-group "B" of the periodic table repre A) Normal elements B) Less typical elements						
	C) Block "p" elements D) Block "f" e	lements					
82.	When an electron is added to O- then the A) Electron affinity	e nergy change : B) Energy relea	is expressed by: ase				
	C) Energy absorption		s A and C are correct				
83.	The important usage of lime in agricultur	e is:					
	A) For chlorophyll developmentC) For neutralizing acidic soils	B) As fertilizer	fruit production				
84.	Quartz crystal has typical tetrahedral str	•	-	toms. How many			
	silicon atoms are connected to an oxygen		ucture:	•			
	A) 4 C) 2	B) 3 D) 1					
85.	In the reaction $H_2S + NO_2 \longrightarrow H_2O + S$,	s as:				
	A) An oxidizing agent	B) A dehydratii					
00	C)A reducing agent	D) A catalyst					
86.	In the reaction HCOOH $\xrightarrow{\text{conc.H}_2SO_4}$ CO						
	A) A catalyst	B) A reducing a	agem				

C) A dehydrating agent

D) An oxidizing agent

87. True statement(s) about paramagnetic property of transition elements is/are:

- A) Presence of unpaired electron in atom and molecule
- B) Weakly attracted by strong magnetic field
- C)Weakly repelled by strong magnetic field

D) Both A and B are correct

88. Tubes made of steel can be hammered while hot, but a cutting tool also made of steel cannot be hammered while hot. This due to:

A) More carbon content in cutting tools

- B) More iron content in cutting tools
- C) More sulphur and phosphorous content in cutting tools
- D) None of the above options

89. Alkanes are less reactive as compared to alkenes because:

- A) Electrons are tightly held by sigma bond in alkanes, thus less reactive
- B) Electrons cloud away from nuclei due to pi bond in alkenes, thus more reactive
- C)Pi bonds make alkenes reactive to electrophilic reagent

D) All of the above

90. Important property of polymers of PVC pipes is:

- A) They decompose when heated
- B) Become hard on heating and cannot be softened again
- C)Can be softened on heating and hardened when cooled with drastically different properties from original
- D) Can be softened repeatedly on heating and hardened when cooled with little change in property



English

Read each of the passage below, and then answer the questions that follow the passage. The correct response may be stated outright or merely suggested in the passage.

The following passage is taken from a classic study of tarantulas published in scientific America in 1952.

A fertilized female tarantula lays from 200 to 400 eggs at a time, thus it is possible for a single tarantula to produce several thousand young. She takes no care of them beyond (5) weaving a cocoon of silk to enclose the eggs. After they hatch, the young walk away, find convenient places in which to dig their bur-rows and spend the rest of their lives in sole-tude. Tarantulas feed mostly on insects and (10) millipeds. Once their appetite is appeased, they digest the food for several days before eating again. Their sight is poor, being limited to sensing a change in the intensity of light and to the perception of moving objects. They (15) apparently have little or no sense of hearing, for a hungry tarantula will pay no attention to a loudly chirping cricket placed in its cage unless the insect happens to touch one of its legs. (20) but all spiders, and especially hairy ones, have an extremely delicate sense of touch. Laboratory experiments prove that tarantulas can distinguish three types of touch: pressure against the body wall, stroking of the body (25) hari and riffling of certain very fine hairs on the legs called trichobothria. Pressure against the body, by a finger or the end of a pencil, causes the tarantula to move off slowly for a short distance. The touch (30) response unless the approach is from above, where the spider can see the motion, in which cases it rises on its hind legs, lifts its front legs, opens its fangs and holds this threatening pos-ture as long as the object continues to move. (35) when the motion stops, the spider drops back to the ground, remains quiet for a few sec- onds, and then moves slowly

The entire body of a tarantula, especially its legs, is thickly clothed with hair. Some of it (40) is short and woolly, some long and stiff. Touching this body hair produces one of two distinct reactions. When the spider is hungry, it responds with an immediate and swift attack. At the touch of a cricket's antennae the (45) tarantula seizes the insect so swiftly that a motion picture taken at the rate of 64 frames per second shows only the result and not the process of capture. But when the spider in not hungry, the stimulation of its hairs merely (50) causes it to shake the touched lim. An insect can walk under its hairy belly unharmed the trichobothria, very fine hairs growing from disk like membranes on the legs, were once thought to be the spider's hearing organs, (55) but we now know that they have nothing to do with soon they are sensitive only to air movement. A light breeze makes them vibrate slowly without disturbing the common hair. When one blows gently on the trichobothria, (60) the tarantula reacts with a quick jerk of its four front legs. If the front and hind legs are stimu-lated at the same time, the spider makes a sud-den jump. This reaction is quite independent of the state of its appetite. (65) these three tactile responses – to pressure on the body wall, to moving of the common hair, and to flexing of the trichobothria-are so different from one another that there is no possibility of confusing them. They serve the (70) tarantula adequately for most of its needs and enable it to avoid most annoyances and dangers. But they fail the spider completely when it meets its deadly enemy, the digger wasp Pepsis.

According to the author, which of the following attributes is (are) characteristic of female is material instincts ii. Visual acuity iii. Fertility

A) I only	C) II only
B) III only	D) I and II only

92. Lines 6-9 primarily suggest that the female tarantula

- A) Becomes apprehensive at sudden noises C) Is better able to discern pressure than stroking
- B) Must consume insects or millipedes daily D) Is reclusive by nature

93. The word "excites" in line 29 most nearly means

A) Irritates C) Delights B) Stimulates D) Exhilarates

The author's attitude toward tarantulas would best be described as B) Approving

95. The main purpose of the passage is to

- A) Report on controversial new discoveries about spider behavior
- B) Summarize what is known about the physical and social responses of tarantulas
- C) Challenge the findings of recent laboratory experiments involving tarantulas
- D) Explain the lack of social organization in the spider family

The description of what happens when one films a tarantula's reaction to the touch of a cricket (lines 44-48) chiefly is intended to convey a sense of the tarantula's A) Omnivorous appetite C) Photogenic appearance D) Quickness in attacking 96.

97.	The word "independent" in line 63 A) Individualistic	most nearly means C) Self-governing
	B) Affluent	D) Regardless
98.	In the passage, the author does all	
	A) Deny a possibilityB) Correct a misapprehension	C) Describe a reactionD) Pose a question
99.	A) Explain why scientists previously B) Demonstrate how the tarantula's t	igger wasp that enable the tarantula to subdue it
100.	The word "They" in line 63 refers	
	A) Crickets B) Spiders	C) Tarantulas D) Tactile responses