University of Central Punjab Sample Paper

Total Marks: 120 Time Duration: 2 Hours

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Eng		h
עווח		

1. Where did you go holiday last year? (MCQ - CHOOSE ONE) for on to
2. She was so upset that she burst tears. (MCQ - CHOOSE ONE) into out with
3. You should explain this them. (MCQ - CHOOSE ONE) / to / at / with
4. He has been absent Monday. (MCQ - CHOOSE ONE) / from / for / since
5. Tomorrow's a holiday, so we go to work. (MCQ - CHOOSE ONE) have to have not don't have to
6. My friend Siena to Russia last year. (MCQ - CHOOSE ONE) / went / has gone / has been
7. If I well in my exams, I to university. (MCQ - CHOOSE ONE) will do; will go will do; go do; will go
8. My cousin getting a job in Bahrain. (MCQ - CHOOSE ONE) would like is planning is thinking of

9. I wis	h I have an exam tomorrow! (MCQ - CHOOSE ONE)
J	don't
Ĵ	didn't
Ĵ	won't
,	
10. Wh	y on earth isn't Josh here yet? for him for over an hour! (MCQ - CHOOSE ONE)
)	I'm waiting
)	I've been waiting
)	I've waited
11. Dar	niel's hair is getting far too long; he should soon. (MCQ - CHOOSE ONE)
	cut it
	have cut it
J	have it cut
12."I've	e got a headache." "Maybe you to take an aspirin." (MCQ - CHOOSE ONE) should
<i>)</i>	
<i>)</i>	ought don't
)	don't
13. I'm CHOOS	surprised you didn't get upset. If someone said that to me, really angry. (MCQ - E ONE)
)	l'm
	l was
J	I'd be
14. Do	you want the match tonight? (MCQ - CHOOSE ONE) watching
)	watch
)	to watch
15. Wh	en I was a child, I never about the future. (MCQ - CHOOSE ONE) have worried
)	used to worry
)	was worrying
16. I bo	orrowed pencil from your pile of pencils and pens. (MCQ - CHOOSE ONE)
j	an
j	the
,	
17. My	daughter is learning to play violin at her school. (MCQ - CHOOSE ONE)
ļ.	a
).	an
)	the
18. I bo	oughtumbrella to go out in the rain. (MCQ - CHOOSE ONE)

J	a
J	an
J	the
10 0	as of the students said " professor is late today " (MCO_CHOOSE ONE)
19. 01	ne of the students said, " professor is late today." (MCQ - CHOOSE ONE)
1	a
<i>)</i>	an
)	the
20. Oı	ur neighbours have cat and dog. (MCQ - CHOOSE ONE)
J	a
Ĵ	an
Ĵ	the
04 TI	
21. In	nis exercise is than that one. (MCQ - CHOOSE ONE)
/	boring
	more boring
)	most boring
22. Th	ne offer was tooto be true. (MCQ - CHOOSE ONE)
J	good
Ĵ	better
ĺ	best
the	rrining money has always been the thing that pleases him most. The he becomes, he is. (MCQ - CHOOSE ONE) richer - happier
1	more rich - hannier
<i>)</i>	more rich - happier rich - happier
)	псп - парріег
24. Th	ne old woman lived alone, withto look after (MCQ - CHOOSE
ONE)	
J	someone / her
J	anyone/ herself
J	no one / her
25. A	baby learns the meaning of words as are spoken by others and later uses
	in sentences. (MCQ - CHOOSE ONE)
	Their / they
ĺ	they / them
ĺ	they / it
26 -	
	ome of these clothes are, and the rest ofbelong to Zack. (MCQ -
CHOO	OSE ONE)
/	mine / them
	me /they
J	hers /their

27. The	ey decided to buy the house because	location would allow	to
get to v	work very easily. (MCQ - CHOOSE ONE)		
J	theirs / them		
Ĵ	its / them		
ĺ	they / us		
,	they / us		
28. It is	isn't too cold today, (MCQ - CHOOSE ON	E)	
J	It is.		
Ĵ	Is it?		
ĺ	Isn't it.		
,			
29. He	e was at the concert, (MCQ - CHOOSE	ONE)	
J	Wasn't it		
Ĵ	Wasn't he		
Ĵ	Didn't he		
,			
30. Her	enry and Juliet have just arrived, (MCQ	- CHOOSE ONE)	
J	They have		
Ĵ	have they		
ĺ	haven't they		
,	naven e mey		
31. The	ere has been strong competition;, the	new company has made great profits	S.
	- CHOOSE ONE)	. ,	
Ì	instead		
ĺ	despite		
1	nonetheless		
)	Holletheless		
32. The	e weather report predicts it will rain become	ome colder. (MCQ - CHOOSE ONE)	
J	and	,	
ĺ	neither		
1			
)	nor		
33. The	e new agent has experience no	expertise. (MCO - CHOOSE ONE)	
]	but	()	
1	with		
<i>)</i>			
)	however		
34. I di	id not go to the show I had already seen it. (MCO - CHOOSE ONE)	
J	until		
<i>)</i>			
<i>)</i>	because		
J	so		
35 Ros	ad over your answers correct all mistakes be	fore you submit (MCO - CHOOSE O	ΛΕ)
33. VE		Tore you submit. (IVICQ - CHOOSE OF	VL)
<i>)</i>	and		
<i>J</i>	or		
)	while		

6. Susie phoned wrote after she left home. (MCQ - CHOOSE ONE) while, and either, or neither, nor
7. Hi Noreen, Thanks for your email. I'd love to meet for dinner some time. I know you said you'd ke to meet the week. (MCQ - CHOOSE ONE) while inside between during
8. Choose the options with the correct order of sentences that forms a coherent paragraph. 1. It vas just after midnight on July 17th last year. 2. James was driving home from work. 3. The road wallear and he was driving carefully. 4. Suddenly a young girl stepped out into the road in front of him .He tried to stop but it was too late. Options: (MCQ - CHOOSE ONE) 1, 2, 5, 3, 4 5, 1, 4, 2, 3 1, 2, 3, 4, 5 4, 1, 5, 3, 2
9. Choose the best topic sentence for the given paragraph: In Death Valley, some vildflower seeds sprout only when it rains. The Sonoran Desert's velvet mesquite has roots that car xtend over fifty yards to water sources. The creosote bush can thrive in dry areas like the Sonoran nd Mojave Deserts by cloning itself (MCQ - CHOOSE ONE) Plants in Death Valley and the Sonoran and Mojave Deserts thrive despite the heat Deserts are home to a strange and beautiful array of plant life Desert plants have adaptations that enable them to survive despite their limited access to water
O. Choose the best concluding sentence for given paragraph: In Death Valley, some vildflower seeds sprout only when it rains. The Sonoran Desert's velvet mesquite has roots that car xtend over fifty yards to water sources. The creosote bush can thrive in dry areas like the Sonoran nd Mojave Deserts by cloning itself (MCQ - CHOOSE ONE) There is a wide variety of plant life in a desert Desert plants die easily Desert plants ensure their survival by adjusting to their environment and lack of water
<u>Analytical</u>
1. 64 is to 8 , ? is to 4 (MCQ - CHOOSE ONE)

42. Ink is to pen, paint is to? (MCQ - CHOOSE ONE)
) colour
artist
\int_{\cdot}^{\cdot} brush
) rubber
43. AFKP is to BGLQ , CHMR is to ? (MCQ - CHOOSE ONE)
) dins
) DFKP
DNIS
) EJOT
44. Ahmad started his home and traveled 10km towards North. Then he traveled 5km towards East. Then, he traveled 10km towards South.Finally, he traveled 5km towards West and reached at his destination. How for he is from his home. (MCQ - CHOOSE ONE) 30km
45. Maria walks straight 300m and then turns left and walks 400m. Finally, she turns left and travel
300m. How Maria is far from her starting point? (MCQ - CHOOSE ONE)
) 400m
<i>)</i> 700m
) 1000m
<i>)</i> 1400m
46. A series is given with one number missing. Choose the correct alternative from the given that will complete the series. 138, 142, 146, 150, ?, 142, 138 (MCQ - CHOOSE ONE) J 148
J 140
Ĵ 146
Ĵ 144
47. A series is given with one number missing. Choose the correct alternative from the given that will complete the series. 2, 4, 8, ?, 32 (MCQ - CHOOSE ONE) 6
48. A series is given with one number missing. Choose the correct alternative from the given that will complete the series. 0,1, 2, 3, 5, 8, 13,? (MCQ - CHOOSE ONE) 19

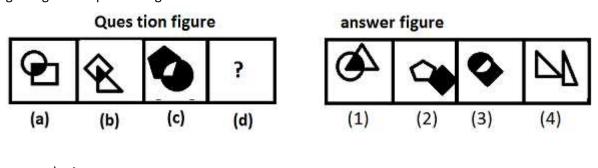
49. A series is given with one number missing. Choose the correct alternative from the given that will complete the series. 3, 8, 15, 24, 35, ? (MCQ - CHOOSE ONE) 48 42 49 50
50. A series is given with one number missing. Choose the correct alternative from the given that will complete the series. 2, 6, 12, 20, 30, ?, 56, 72 (MCQ - CHOOSE ONE) 42
51. Which set of letters fill the gaps of the given letter series? UCP_ESTU_PTESTUC_T_ST (MCQ - CHOOSE ONE) TCPE TETE TCPC BCPT
52. Which set of letters fill the gaps of the given letter series? LEAR_M_THLEA_NMATH_EAR_MATH (MCQ - CHOOSE ONE) NATNT
53. Which set of letters fill the gaps of the given letter series? _ALCULUSC_LCULU_CAL_ULU_ (MCQ - CHOOSE ONE) / CUSCS / QASQS / CASCS / QUSCS
54. A milkman has 75 liters milk in one cane and 45 liters in another. The maximum capacity of container, which can measure milk of either container exact number of times, is liters: (MCQ - CHOOSE ONE) 10
55. A batsman has a certain average of runs for 11 innings. In the 12th inning, he makes a score of 90

runs, thereby increasing his average by 5. His average after the 12th inning is: (MCQ - CHOOSE ONE)

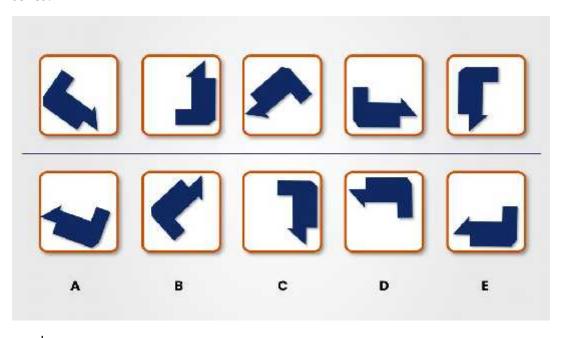
J 22

J	30
J	35
J	40
	45

56. Please see the question figure and answer figure carefully. Find the most suitable answer. Answer figure from alternatives, which are numbered from 1 to 4 by using the sequence of set of figures given in question figure.

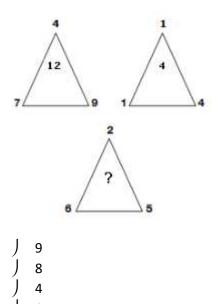


- a) 1b) 2
- c) 3
- d) 4
- 57. Please see the following boxes carefully. Which box contains the identical shape as the upper series?



J AJ BJ CJ D

58. Which number replaces the question mark?



Years of Experience	Fitness Trainer	Client 1 (100-125kg)	Client 2 (125-150kg)	Client 3 (150-250kg)	Final Score
1	Susan	10	20	35	20.5
3	Megan	14	22	45	25.7
4	Tom	25	35	70	41.5
4	Brad	20	25	66	35.3
2	Peter	22	28	49	31.9
1	Melissa	25	33	62	38.5
3	Nick	16	18	52	27.4
2	Russel	14	15	39	21.8
2	Patty	8	12	22	13.4

59. Answer the following statements in either Yes or No:

- 1. In calculating the final score for the contest, the weight loss for a fitness trainer's third client (Client 3) had equal weighting as the weight loss on Client 2.
- 2. The median final score for all fitness trainers was 27.40
- 3. In the data set for "Client 1" clients who worked with a fitness trainer having four years of experience, the range was 8.
- Yes, Yes, Yes
- No, No, No
- No, No, Yes
- Yes, Yes, No

60. A is father is B. B is mother of C. C is daughter of D. What is A to D? (MCQ - CHOOSE ONE)

- Father-in-Law
- Son-in-Law

)	Sister-in-Law Brother-in-Law
Chem	nistry
61. Lav	v of octaves was stated by: (MCQ - CHOOSE ONE)
J J J	Dobereiner Moseley Newland Mendeleeve
62. Wh	nich of the following periods contains 32 elements? (MCQ - CHOOSE ONE)
	6 3 5 7
63. Ke	eping in view the size of atoms, which order is correct one? (MCQ - CHOOSE ONE)
	 Mg > Sr Lu > Ce Bs > Mg Cl > I
	nich of the following elements has maximum 1st ionization energy in the periodic table? (MCQ OSE ONE)
	 He N Ar F
65. Acr	ross the short period melting point and boiling point of elements: (MCQ - CHOOSE ONE)
	 Increases Decreases First increases then decreases Remain constant
66. Hy	dration energy depends on: (MCQ - CHOOSE ONE)
	Change on Ion

• Size of Ion

• Both a and b

• Number of unpaired electron in the ions

67.7	All the following elements show variable oxidation state except: (MCQ - CHOOSE ONE)
	• Mn
	• Fe
	• Cr
	• Zn
68. \	Which of the following oxide is acidic in nature? (MCQ - CHOOSE ONE)
	• Na2O
	• MgO
	• CO2
	• Al2O3
69. F	Plaster of Paris is used for the followings except: (MCQ - CHOOSE ONE)
	• plaster walls
	• casts of statuary
	surgery for bandage
	basic soil
70. 1	he mineral CaSO4.2H2O has the general name: (MCQ - CHOOSE ONE)
	• Gypsum
	Calcite
	• Dolomite
	Epsom salt
71. ľ	Magnesium burns in air to form: (MCQ - CHOOSE ONE)
	• MgO
	• Mg3H2
	MgO and Mg3N2
	• MgCO3
72. l	ithium only forms: (MCQ - CHOOSE ONE)
	Sub oxide
	Normal oxide
	Superoxide
	Peroxide

BlackRedYellow

- White
- 74. Na2SiO3 is also known as: (MCQ CHOOSE ONE)
 - Water glass
 - Soda lime glass
 - Pyrex glass
 - Flint glass
- 75. Which statement is incorrect for Nitrogen? (MCQ CHOOSE ONE)
 - It has the smallest size
 - It can form multiple bonds
 - It has the highest electronegativity
 - It is paramagnet in nature
- 76. Which of the following reaction of HNO3 is true? (MCQ CHOOSE ONE)
 - 3Cu(s))+dil 8HNO3→3Cu(NO3)2(aq)+2NO+4H2O
 - 3Cu(s))+dil 8HNO3→3Cu(NO3)2(aq)+2NO2+3H2O
 - 3Cu(s))+dil 8HNO3→3Cu(NO3)2(aq)+N2O+4H2O
 - Cu(s))+dil 4HNO3→3Cu(NO3)2(aq)+2N2O3+4H2O
- 77. All of the elements of group V A have allotropic forms except: (MCQ CHOOSE ONE)
 - N
 - As
 - P
 - Sb
- 78. The formula of Stibnite ore is: (MCQ CHOOSE ONE)
 - PbS
 - Sb2S3-
 - ZnS
 - HgS
- 79. Consider the reaction: C+H2SO4→CO2+SO2+H2O; In this reaction carbon acts as: (MCQ CHOOSE ONE)
 - Reducing agent
 - Oxidizing agent
 - Both a and b
 - Difficult to predict
- 80. Which of the following is anhydride of H2SO4? (MCQ CHOOSE ONE)

) SO2
) H2S2O7
) SO3
) H2SO3
Biology
81. Branch of biology which deals with the study of chemical components and chemical processes in living organisms is called (MCQ - CHOOSE ONE)
J Physiology
) Biochemistry
) Atomic biology
) Molecular biology
82 is the potential source of chemical energy for cellular activities (MCQ - CHOOSE ONE)
C-H bond
C-O bond
C-N bond
P-O-C bond
83. Control of organisms by using living organisms is called (MCQ - CHOOSE ONE) Bioremediation
84. Unbroken series of organisms arranged from ancestor to descendant sequence is (MCQ - CHOOSE ONE)
) Biodiversity
) Phyletic lineage
Connecting link
) Evolutionary line
85. Out of total organisms on earth, are vascular plants (MCQ - CHOOSE ONE)
<i>)</i> 53.10%
Ĵ 19.90%
J 17.60%
) 9.40%
86. Control of organisms by using living organisms is called (MCO - CHOOSE ONE)

)]]	Bioremediation Integrated disease management Antisepsis Biological control			
	ranch of biology which deals with the study of chemical components and chemical processes in organisms is called (MCQ - CHOOSE ONE)			
)]]	Physiology Biochemistry Atomic biology Molecular biology			
88	is the potential source of chemical energy for cellular activities (MCQ - CHOOSE ONE)			
	C-H bond C-O bond C-N bond P-O-C bond			
89. Pe	. Percentage of water in brain cells is (MCQ - CHOOSE ONE)			
)]]	20 % 65 % 85 % 89 %			
90. Br ONE)	reakdown of large molecules into smaller ones utilizing water molecules is (MCQ - CHOOSE			
)]]	Hydration Hydrolysis Dehydration synthesis Electrolysis			
91. Th	ne phenomenon of osmosis is opposite to that of (MCQ - CHOOSE ONE) Effusion Diffusion Affusion oagulation			
92. Th	ne most active site of protein synthesis is the (MCQ - CHOOSE ONE) Nucleus Ribosome Mitochondrion Cell sap			

93. The cellular organelles called "suicide bags" are (MCQ - CHOOSE ONE)
Lysosomes
Ribosomes
Nucleolus
) Golgi's bodies
94. From the biological viewpoint, solutions can be grouped into (MCQ - CHOOSE ONE)
) Isotonic solution
Hypotonic solutions
Hypertonic solution
) All of these
95. Transport of solid material across cell membrane is accomplished by (MCQ - CHOOSE ONE)
) Phagocytosis
) Pinocytosis
) Extrusion
) All of these
96. The ability of the cell membrane to act as a selective barrier depends upon (MCQ - CHOOSE ONE)
The lipid composition of the membrane
The pores, which allows small molecules
The special mediated transport systems
All of these
) This of these
97. Carrier protein can (MCQ - CHOOSE ONE)
Transport only one substance
Transport more than one substance
Exchange one substance to another
Perform all of these functions
98. A lipid bilayer is permeable to (MCQ - CHOOSE ONE)
) Urea
Fructose
) Glucose
) Potassium
99. Enzymes catalyzing electron transport are present mainly in the (MCQ - CHOOSE ONE)
Ribosomes
) Endoplasmic reticulum
Lysosomes
J Inner mitochondrial membrane
) Time intectional at membrane
100. Genetic information of nuclear DNA is transmitted to the site of protein synthesis by (MCQ -
CHOOSE ONE)
) rRNA

	mRNA		
J	tRNA		
J	Polysomes		
))) 102. No	Polysomes hich of the following is correct for isoantigens? (MCQ - CHOOSE ONE) They are antigens found in all members of different species They are antigens found in some members of a species They are antigens found in all members of a species They are antigens found in some members of different species They are antigens found in some members of different species umerous antibodies can be prepared, against one antigen, each binds to unique epitopes. this antibody diversity generated? (MCQ - CHOOSE ONE) By rearrangements of the DNA encoding the variable regions of the heavy and light chains By the combination of different heavy and light chains that form the antigen binding site		
J	Antibody proteins can physically change their shape to bind different epitopes Both A & B		
103 Th	ne class of immunoglobulin which can cross the placenta is (MCQ - CHOOSE ONE)		
103. TI	IgM		
ĺ	IgG		
ĺ	IgA		
Ĵ	IgD		
104. Self-reactive antibodies are not found in significant concentration in normal serum because (MCQ - CHOOSE ONE) It is impossible to generate a self-reactive antibody Self-reactive B cells are killed by CD8 T cells B cells that are stimulated via their surface bound antibody in the absence of T cell help to commit suicide Self-reactive B cells switch to IgA which is all secreted and not present in serum 105. Simulation of which of the following will lead to appearance of first antibody to appear following stimulation by an antigen? (MCQ - CHOOSE ONE) IgM			
<u>Physics</u>			
106. Physical quantities are divided into (MCQ - CHOOSE ONE)			
J	Two categories		
	Three categories		
J	Four categories		

107. As many as we can	
In equation F = ma, mass m is (MCQ - CHOOSE ONE)	
) Gravitational mass	
Variable mass	
) Inertial mass*	
) None of the above	
108. If a brick of mass 2.0 Kg is dropped from rest position 5 m above the ground, then its velocity a	at
height of 3 m above the ground is (MCQ - CHOOSE ONE)	
) 36 m/s	
) 63 m/s	
) m/s	
) 6.3 m/s	
109. When a body moves in a circle, the angle between its linear velocity and angular velocity is (MCQ - CHOOSE ONE)	
J oâ°	
Ĵ 30°	
J 30°J 45°	
Ĵ 90°	
110. One torr is equal to (MCQ - CHOOSE ONE)	
) 13.33 N/m2	
) 760 N/m2	
∫ 760 mm hg	
) 133.3 N/m2	
111. For air medium the value of ϵ is (MCQ - CHOOSE ONE)	
) 1.6	
J 1.2	
) 1.0	
) 1.17	
112. If a transverse wave travelling in a rare medium is incident on a denser medium, it is reflected such that it undergoes a change of (MCQ - CHOOSE ONE)	
) 0°	
<i>)</i> 90°	
) 135°	
) 180°	
113. The frequency of stretched string when it vibrates in two loop is (MCQ - CHOOSE ONE)	
Equal to that when it vibrates in one loop	
Double than when it vibrates in one loop	
Triple than when it vibrates in one loop	
Four times than when it vibrates in one loop	

	114. A I ONE)	ight wave produced by oscillating charge consists of a periodic vibration of (MCQ - CHOOSE
	Ĵ	Electric field
	Ĵ	Magnetic field
	Ĵ	Either of them
	Ĵ	Both of them
	115. Th	e light which has components in all directions is called (MCQ - CHOOSE ONE)
	J	Polarized light
	J	Intense light
	J	Unpolarized light
	J	None of them
116. Law of octaves was stated by: (MCQ - CHOOSE ONE)		
	J	Dobereiner
	J	Moseley
)	Newland
)	Mendeleeve
117. Which of the following periods contains 32 elements? (MCQ - CHOOSE ONE)		
	J	6
	J	3
	J	357
	J	7
118. Keeping in view the size of atoms, which order is correct one? (MCQ - CHOOSE ONE)		
	J	Mg > Sr
	J	Lu > Ce
	J	Bs > Mg
	J	Cl > I
		nich of the following elements has maximum 1st ionization energy in the periodic table? CHOOSE ONE)
	J	He
	ĺ	N N
	ĺ	Ar
	ĺ	F
	120. Ac	ross the short period melting point and boiling point of elements: (MCQ - CHOOSE ONE)
	J	Increases
	Ĵ	Decreases
	Ĵ	First increases then decreases
	Ĵ	Remain constant
	/	