## **MANAGERIAL APTITUDE**

Marks: 60

Note: In each question below are given two statements followed by four conclusions numbered I, II, III and IV. You have to take the two given statements to be true even they seem to be at variance from commonly known facts. Read all conclusions and then decide which of the given conclusions logically follows from the two given statements,

disre	disregarding commonly known facts.			
1.`	<b>Statements</b> Some caps are tanks.	Some tanks are bulbs.		
	Conclusions: (I) Some tanks are caps. (a) Only I and III follow	(II) Some bulbs are tanks (b) Only II and IV follow	(III) Some caps are bulbs. (c) Only I, II and either III or IV follow	(IV) No bulb is cap. (d) None of these
2	Statements: No boat is shop. Conclusions:	All shops are guns.		
	(I) All boats are guns (a) only either I or II follow	(II) No boat is gun (b) only I follows	(III) Some guns are shops (c)Only II follows	(IV) All guns are shops. (d) None of these
Note	e: The diagram shown below r we are given values for A, B, solve three questions which	C, D such as $A = 40$ ; $B = 2A$		
		PUNJABI A B I J J K F F	C HINDI	
3	People who can read and wr	ite Hindi, Urdu and Punjabi a (b) D	are represented by (c) K	(d) E
4	People who do not know Eng (a) F	glish and Hindi but are familia (b) G	ar with Urdu and Punjabi bot (c) E	th are represented by (d) K
5	How many people can read a (a) 120	and write only one language (b) 140	except Punjabi? (c) 100	(d) 160
6	In the positions of the first and of the second and the sevent from left after interchanging t	th, the third and the eight and the positions?	d so on, which of the following	g letters will be the fifth
	(a) I	(b) E	(c) S	(d) T
Note 7		anies A and B did not take per of the company A expired ter offer from another company A cannot produce the	before signing the document any C. product of company.	t. (d) Only II and III
8	The word TENDER has been coding it, if MELLOW is code (a) UFOEFS		(A, B, C, D). Find out which	n pattern/rule is used in (d) SDMCDQ
9	If MOHAN is coded as 56237	, and UMA is coded as 853,	how can HANUMAN be cod	ed?
	(a) 2758373	(b) 2378537	(c) 2852337	(d) 7783532
10	Note: Supply the right letters	ringures in place of the ques	tion marks in the following q	นธรแบบร.
10	XUSPNKI? (a) J	(b) K	(c) M	(d) F

<sup>2 •</sup> Officer Under Training (Technical) Recruitment Examination

11	ADEHIL?? (a) MP	(b) MN	(c) MO	(d) MQ		
Note	Note: Choose the correct Number at ?					
12	2, 7, 14, 23, ?, 47 (a) 30	(b) 34	(c) 39	(d) 44		
13	1, 3, 7, 15, 31, ? (a) 38	(b) 49	(c) 63	(d) 42		
14	A is sister of B. C is brother (a) Brother	of D. D is sister of A. How is (b) Brother or Sister	B related to D? (c) Sister	(d) Data inadequate		
15	What should come in place	of the question mark (?) in th	ne following letter series			
	AC FH KM PR ?? (a) VW	(b) UX	(c) UW	(d) TV		
16	A is richer than B. C is richer	than A. D is richer than C. E i	s the richest of all. If they are	made to sit in the above		
.0	degree of richness who will (a) A	be in the middle position (ce (b) B	ntral position)? (c) C	(d) D		
17	An electronic device makes	a beep after every 60 sec. Ar	nother device makes a beep	after every 62 sec. They		
17	beeped together at 10 a.m. (a) 10.30 a.m.	The time when they will next (b) 10.31 a.m.	make a beep together at the (c) 10.59 a.m.	e earliest is (d) 11.00 a.m.		
18	Four different electronic devi	ices make a beep after every	30 minutes, 1 hour, 1 hour 30	minutes, and 1 hour 45		
	minutes respectively. All the	devices beeped together at	12 noon. They will again bee	ep together at		
	(a) 12 midnight	(b) 3 a.m.	(c) 6 a.m.	(d) 9 a.m.		
	(5 6) (	( <b>5</b> 1)				
19	The value of $\left\{ \frac{5}{7} \text{ of } 1\frac{6}{13} \right\} \div \left\{ \right\}$	$2\frac{3}{7} \times 3\frac{1}{4}$ is				
			(c) $\frac{5}{4}$	(d) $1\frac{119}{180}$		
	(a) $\frac{20}{169}$	(b) 1	(c) $\frac{-}{4}$	(a) 1 180		
20	$3.\overline{87} - 2.\overline{59} = ?$					
	(a) 1.20	(b) $1.\overline{2}$	(c) $1.\overline{27}$	(d) $1.\overline{28}$		
04	A coutain mumban of tampia b	alls were purchased for Rs.4	50. Eive more halls could hav	ve been nurchased in the		
21	same amount if each ball w	as cheaper by Rs.15. The nu	imber of balls purchased wa	S		
	(a) 10	(b) 15	(c) 20	(d) 25		
-00	$\frac{\sqrt{24} + \sqrt{216}}{2}$					
22	$\frac{\sqrt{24} + \sqrt{216}}{\sqrt{96}} = ?$			•		
	(a) $2\sqrt{6}$	(b) 2	(c) $6\sqrt{2}$	(d) $\frac{2}{\sqrt{6}}$		
	(a) $2\sqrt{6}$	(5) 2	(9) (0) 2	( √6		
23	If $\sqrt{3^n} = 729$ then the value	of n is				
	(a) 6	(b) 8	(c) 10	(d) 12		
24	$\sqrt[3]{\sqrt{.000064}} = ?$					
_ '	(a) $0.02$	(b) 0.2	(c) 2	(d) None		
	(u) 0.02	\ <del>-</del> , <del>-</del>	V-7 -	. ,		
25	If $a = \frac{\sqrt{5} + 1}{\sqrt{5} - 1}$ and $b = \frac{\sqrt{5} - 1}{\sqrt{5} + 1}$	$\frac{-1}{-1}$ , the value of $\left\{\frac{a^2 + ab + b}{a^2 - ab + b}\right\}$	$\left(\frac{b^2}{b^2}\right)$			
		•		(d) $\frac{5}{3}$		
	(a) $\frac{3}{4}$	(b) $\frac{4}{3}$	(c) $\frac{3}{5}$	(d) $\frac{-}{3}$		

26	A family consists of grandpa years, that of the parents is family?	rents, parents and three grar 35 years and that of the grar	ndchildren. The average age ond children is 6 years. What i	of the grandparents is 67 s the average age of the
	(a) $28\frac{4}{7}$ years	(b) $31\frac{5}{7}$ years	(c) $32\frac{1}{7}$ years	(d) None of these
27	The average age of x boys a age of girls.	and y girls is 'p' years. If the	average age of the boys is 'r	' years, find the average
	(a) $p + \frac{x(p-r)}{y}$ years	(b) $p + \frac{x(r-p)}{y}$ years	(c) $p - \frac{x(p-r)}{y}$ years	(d) $p - \frac{x(r-p)}{y}$ years
28	If Rs. 782 be divided into the	ree parts, proportional to $\frac{1}{2}$ :	$\frac{2}{3}$ : $\frac{3}{4}$ , then the first part is	
	(a) Rs. 182	(b) Rs. 190	(c) Rs. 196	(d) Rs. 204
29	Seats for Mathematics, Phys these seats by 140%, 150% (a) 2:3:4	sics and Biology in a school and 175% respectively. Wha (b) 6:7:8	are in the ratio 5:7:8. There is t will be the ratio of increased (c) 6:8:9	s a proposal to increase d seats? (d) None of these
30	15 litres of a mixture contain of alcohol in the new mixture	s 20% alcohol and the rest we will be	vater. If 3 litres of water be mix	ked in it, the percentage
	(a) 15	(b) $16\frac{2}{3}$	(c) 17	(d) $18\frac{1}{2}$
31	Two equal glasses are respe	ectively $\frac{1}{3}$ rd and $\frac{1}{4}$ th full of i	milk. They are then filled with	water and the contents
	mixed in a tumbler. The ratio (a) 7:5	of milk and water in the turn (b) 7:17	bler is (c) 9:21	(d) 11:23
32	Kamal has some apples. He (a) 50	sold 40% more than he ate. (b) 90	If he sold 70 apples, how ma	any did he eat? (d) 42
33	What percent decrease in sa	llaries would exactly cancel of	out the 20 percent increase?	
	(a) $16\frac{2}{3}$	(b) 18	(c) 20	(d) $33\frac{1}{3}$
34	A motor car starts with the s many hours will it cover 345	peed of 70 km/hr with its spe kms?	eed increasing every two hou	urs by 10 kmph. In how
	(a) $2\frac{1}{4}$ hrs	(b) 4 hrs 5 min	(c) $4\frac{1}{2}$ hrs	(d) Cannot be determined
35	A man covers a certain dista less. If he had moved 2 kmpl (a) 20	nce on scooter. Had he mov h slower, he would have take (b) 36	ved 3 kmph faster, he would en 40 minutes more. The dist (c) 37.5	have taken 40 minutes ance (in km) is (d) 40
36	A is twice as fast as B and B is	s thrice as fast as C is. The jo	urney covered by C in 54 mir	nutes will be covered by
	B in (a) 18 min	(b) 27 min	(c) 38 min	(d) 9 min
37	A man rows 750 m in 675 se	econds against the stream a	nd returns in $7\frac{1}{2}$ minutes. H	lis rowing speed in still
	water is (a) 3 km/hr	(b) 4 km/hr	(c) 5 km/hr	(d) 6 km/hr

38	A leaves after some days and then B completed the remaining work in 23 days. The number of days after which A left the work was			
•	(a) 6	(b) 8	(c) 9	(d) 12
39	A piece of work can be dor done by 9 men and 15 wor (a) 1 day	ne by 6 men and 5 women in men in (b) 2 days	6 days or 3 men and 4 won (c) 3 days	nen in 10 days. It can be
40	The automobiles generally	utilize batteries having voltag	e of	(u) 4 days
	(a) 3V	(b) 6V	(c) 12V	(d) 24V
41	The acid used in automobil (a) H <sub>2</sub> SO <sub>4</sub>	le battery is (b) HCl	(c) HNO <sub>3</sub>	(d) Hydrofluoric acid
42	Absorption system normally (a) ammonia	y uses the following refrigeration (b) Freon-22	nt (c) CO <sub>2</sub>	(d) SO <sub>2</sub>
43	A graphical device used to output and costs, is known	determine the break-even p	oint and profit potential und	er varying conditions of
	(a) Gantt chart	(b) flow chart	(c) break-even chart	(d) PERT chart
44	What does symbol	imply in work study		
	(a) operation	(b) inspection	(c) transport	(d) permanent storage
45	Work study is done with the (a) Process chart	e help of (b) Material handling	(c) Stop watch	(d) All of the above
46	Gantt chart provides inform (a) Material handling (c) Production schedule	ation about the	(b) Proper utilization of ma (d) Efficient working of ma	npower
47	ABC analysis deals with (a) Analysis of process chart	(b) Flow of material	(c) Ordering schedule of job	(d) Controlling inventory costs money
48	The most important objective (a) overall simplification, sature (c) maximum travel time in particular travels.	fety of integration	(b) economy in space (d) to provide conveniently	located shops
49	Frederick W. Taylor introduction (a) line organization (c) functional organization	ed a system of working know	vn as (b) line and staff organization (d) effective organization	on
50	Merit Rating is the method of (a) a job (c) a particular division in we	_	(b) an individual employee (d) machine	
51	Routing is essential in the fo	ollowing type of industry (b) process industry	(c) job order industry	(d) mass production industry
52	PERT and CPM are (a) aids to the decision mak (c) charts which increase ae	er esthetic appearance of rooms	(b) decision making technic (d) aids to determine cost in	ques mplications of project
53	Present value of money is early $FV$	qual to		EV
	(a) $\frac{1}{(1+r)^n}$	(b) $FV(1+r)^n$ money after n years; $r = opp$		$(d) \frac{FV}{(1-r)^n}$
54	Depreciation of machines, a	ccording to income tax regula	_	asis of
	following method (a) straight line	(b) sinking fund	(c) machine hour	(d) declining balance

55	Salvaging means (a) writing off the assets (c) mortgaging property		(b) adjusting losses agai (d) disposing off property useful in present situa	/ which is no longer
56	For effective utilization of mof a person is (a) job satisfaction (c) job security	anpower it is essential to und	derstand the need of a man (b) make both ends mee (d) all of the above	- -
57	If x is real then the minimur	m value of $\frac{x^2 - x + 1}{x^2 + x + 1}$		
	(a) 1/3	(b) 3	(c) 1/2	(d) 1
58	The roots of the equation $\chi$ (a) -1, -1, -2	$x^3 - 3x - 2 = 0$ are (b) -1, 1, -2	(c) -1, 2, -3	(d) 1 1 0
59	• •	6, 8, 10 units then the radius	• •	(d) -1, -1, -2
00	(a) 4	(b) 3	(c) 6	(d) 5
60	When two dice are thrown,	the probability of getting 10	or 11 is	
	(a) $\frac{7}{36}$	(b) $\frac{5}{36}$	(c) $\frac{5}{18}$	(d) $\frac{7}{18}$
	ENGINEERING APTITUDE Marks : 40			
61	Which of the following varia	ables controls the physical pr (b) Charles's law	operties of a perfect gas (c) Gay-Lussac law	(d) All of the above
62	Specific heat of air at const (a) 0.17	ant pressure is equal to (b) 0.21	(c) 0.24	(d) 1.0
63	and temperature (b) the sum of partial press	of all the perfect gases occupy sure of mixture of two gases stant and the molecular weig	is sum of the two	
64	Which of the following quar (a) pressure	ntities is not the property of the (b) temperature	ne system (c) specific volume	(d) heat
65	Which of the following para pressure (a) enthalpy	ameters is constant for a mo (b) volume	le for most of the gases at (c) mass	a given temperature and (d) entropy
66	The term N.T.P. stands for (a) nominal temperature and (c) normal temperature and (c)	•	(b) natural temperature a (d) normal thermodynam	
67	On volume basis, air contai (a) 21	ns following parts of oxygen (b) 23	(c) 25	(d) 77
68	If a gas vapour is allowed to (a) throttling (c) adiabatic expansion	expand through a very min	ute aperture, then such a po (b) hyperbolic expansion (d) parabolic expansion	rocess is known as
69	For a thermodynamic procesubstance should be (a) zero	ess to be reversible, the ten (b) minimum	nperature difference between (c) maximum	en hot body and working  (d) infinity

70	For reversible adiabatic proc (a) maximum	ess, change in entropy is (b) minimum	(c) zero	(d) unpredictable
71	First law of thermodynamics (a) heat and work (c) various properties of the	·	etween (b) heat, work and properti (d) heat and internal energ	
72	Measurement of temperature (a) thermodynamic properti (c) first law of thermodynam	es	(b) zeroth law of thermody (d) second law of thermody	
73	Calorie is a measure of (a) specific heat	(b) quantity of heat	(c) thermal capacity	(d) Entropy
74	<ul><li>(b) heat can be transferred</li><li>(c) heat can be transferred</li></ul>	I from low temperature sourd from low temperature to high from low temperature to high	ce to high temperature source	ng refrigeration cycle.
75	The air standard efficiency (v	where $r = $ Compression rati	o and (Gama = ratio of sp	pecific heats) of an Otto
	(a) $-\frac{1}{\gamma+1}$	(b) $r^{\gamma-1}-1$	(c) $1 - r^{\gamma - 1}$	(d) $1 - \frac{1}{r^{\gamma - 1}}$
76	A diesel engine theoretically (a) constant pressure cycle (c) constant temperature cycle	•	(b) constant volume cycle (d) constant entropy cycle	
77	All diesel cycles except slow (a) Diesel	speed engines use followin (b) Otto	g cycle (c) Joule	(d) Mixed dual
78	In a diesel engine, the fuel is  (a) spark  (b) injected fuel  (c) heat resulting from companion	ignited by pressing air that is supplied	for combustion	
79	Indicated power of a 4-stroke piston; and N = rpm of engin (a) pLAN		<ul><li>p = mean effective pressure;</li><li>(c) pLAN/2</li></ul>	L = stroke; A = Area of (d) 4pLAN
80	All heat engines utilize (a) low heat value of oil (c) net calorific value of oil	<b>、</b>	(b) high heat value of oil (d) calorific value of fuel	
81	The thermal efficiency of a di (a) increase (b) decrease (c) be independent (d) may increase or decrease			in cut-off ratio will
82	Which of the following is not (a) 2-stroke petrol engine (c) diesel engine	an internal combustion engi	ne (b) 4-stroke petrol engine (d) steam turbine	
83	Pick up the false statement <ul><li>(a) thermal efficiency of dies</li><li>(b) theoretically correct mixt</li><li>(c) high speed compression</li><li>(d) S.I. engines are quality-g</li></ul>	ure of air and petrol is appro n engines operate on dual co		

84	If one cylinder of a diesel engine receives more fuel that	in the others, then for that cyl	inder the
	<ul> <li>(a) exhaust will be smoky</li> <li>(b) piston rings would stick into piston grooves</li> <li>(c) exhaust temperature will be high</li> <li>(d) scavenging occurs</li> </ul>	•	
85	Most high speed compression engines operate on (a) diesel cycle (c) dual combustion cycle	(b) otto cycle (d) special type of air cycl	e
86	Pick up the false statement  (a) I.C. engines have higher efficiency than steam eng  (b) heavy oil engines run on diesel cycle  (c) gas engine works on otto cycle  (d) injection of fuel by external means is not required in		
87	The compression ratio of motor cars is (a) 5 (b) 7	(c) 10	(d) 13
88	Pick up the correct statement BHP (Brake Horse Power) + FHP (Frictional horse pow	ver) = IHP (indicated Horse P	ower)
	(a) $IHP = BHP - FHP$ (b) $IHP + BHP + FHP =$	0 (c) FHP = BHP - IHP	(d) FHP -
89	When an engine is idling, it requires (a) no fuel in the air (c) rich fuel air mixture	(b) lean fuel air mixture (d) fuel corresponding to	no load condition
90	Tolerances are specified  (a) to obtain desired fits  (b) because it is not possible to manufacture a size ex  (c) to obtain high accuracy  (d) to have proper allowance	actly	
91	Sensitivity and range of measuring instrument have (a) direct relationship (c) inverse relationship	(b) linear relationship (d) unpredictable relations	ship
92	Which of the following instruments is most accurate  (a) vertical caliper  (c) optical projector	(b) manometric screw gau	uge
93	A surface gauge is used for  (a) leveling the surface plate  (c) finding the depth of the surface	(b) checking the surface find (d) laying out the work according to the contract of the contrac	
94	The purpose of ratchet screw in micrometer screw gauge (a) to lock a dimension (b) to impart blow motion (c) to maintain sufficient and uniform measuring press (d) to take care of wear of screw threads		
95	A sine bar is specified by  (a) its total length  (c) the size of the rollers	(b) the centre distance be (d) the distance between r	
96	Material handling in automobile industry is done by (a) overhead crane (b) trolley	(c) belt conveyor	(d) all of the above
97	Inventory management consists of  (a) effective running of stores  (b) state of merchandise methods of storing and main  (c) stock control system  (d) all of the above		

98	(b) ability to recover its orig	permanent deformations in o	·	
99	Pure iron is the structure of (a) ferrite	(b) anstenite	(c) ferrite and cementite	(d) ferrite and pearlite
100	Solder is an alloy consisting (a) tin, antimony, copper	of (b) tin and copper	(c) tin and lead	(d) lead and zinc
· · · · · · · · · · · · · · · · · · ·		REASONII	NG	Marks : 40
101	In a certain code TOGETHEI (a) RCPQJK	R is written as RQEGRJCT. In (b)RCTQNG	the same code, PAROLE wi (c)NCPQJG	ll be written as (d)NCQPJG
102	(A) Gopal is shorter than Ash Navin (D) Ashok is taller than (a) Gopal	ok but taller than Kuhav; (B) n Jayesh.Who among them is (b) Ashok	Navin is shorter than Kuhav; s the tallest? (c) Jayesh	(C) Jayesh is taller than (d) Navin
103	Which of the following will co WRF, MFH, AHY,? (a) 6LX	ome in place of the question  (b) HTG	mark (?) in the following seq	uence. (d) HYL
104	'Command' is related to 'Ord (a) Discipline	` '	` '	(d) Problem
105	In a certain code PEAK is wr (a) 2396	itten as '3512' and DINE is w (b) 2986	ritten as '6895'. How is KIND (c) 2896	• •
106	The positions of the first and the second and the sixth dig the right end after the rearrange.	its are interchanged and so on the conferent?	on. Which of the following wi	ll be the third digit from
40=	(a) 8	(b) 3	(c) 2	(d) 6
107	Pointing to Meena, Swarup so Swarup? (a) Cousin	ays "She is the daughter of m (b) Sister	ny grandfather's only child." F (c) Aunt	low is Meena related to  (d) Data inadequate
Note	e: Choose the alternative which	• •	• •	•
108	Winter is to Snow as (a) Summer : Heat	(b) Mansoon : Rain	(c) Autumn : Trees	(d) Field : Grass
109	Five persons are standing in businessman. An advocate is student is standing between place?	s standing to right of a stude the professor and the advoca	ent. An author is to the left of ate. Counting from the left, th	the businessman. The ne advocate is at which
	(a) 1st	(b) 2nd	(c) 3rd	(d) 4th
	: In each question the numb alternatives which should fill: 16, 24, 34, 46,	ers follow a particular logica the Blank space in the series	I order. Identify the number	from among the given
	(a) 58	(b) 60	(c) 62	(d) 64
	4, 12, 36, 108, (a) 304	(b) 144	(c) 216	(d) 324
Note	: From the given alternatives, ARISTOCRATIC	find the word which can be t	formed from the letters used	in the given word.
	(a) CREATION	(b) STATIC	(c) SECRET	(d) ARREST
	Santosh was travelling in a rachild in her arms. How many	ailway compartment. There h	ne met a man and five wome	n. Each woman had a
	(a) 9	(b) 10	(c) 11	(d) 12

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114	Arun started from point A an and then turned West and w which direction is he from hi	alked 12 km to point D, the	nt B then turned to North and nagain turned South and wal	walked 3 km to point C ked 3 km to point E. In
	(a) East	(b) South	(c) West	(d) North
	: In these questions, select to Architect : Building : : Sculp		mber from the given alternation	/es.
	(a) Museum	(b) Stone	(c) Chisel	(d) Statue
116	AZBY: CXDW:: EVFL (a) GTHS	J:? (b) G H T S	(c) G S T H	(d) T G S H
117	Select the missing number f	from the give responses.		
		1 4 ?		
		4 2 5		
		2 2 3		
		49 64 169		
	(a) 3	(b) 6	(c) 5	(d) 4
118			is fifteenth from right. When	they interchange their
	positions Rajan becomes tw (a) 30	ventieth from right. How man (b) 29	y boys are there in the row? (c) 32	(d) 31
119	Which of the following items	would be the correct respo	nse in a given trend?	
		51 63 29		
		26 14 48		
		5 8 ?		
		410 680 588		
	(a) 9	(b) 6	(c) 5	(d) 7
120			uilt to serve 150 students of A is to be as small as possible, t	
	(a) In town B	(b) 45 Km from town B	(c) In town A	(d) 45 km from town A
121	Arrange the following words	in a meaningful order		
		) Sand (4) Platinum (b) 24351	(5) Diamond (c) 54321	(d) 45132
122	'Ice' is related to 'Coolness' (a) Weight	in the same way as 'Earth' i (b) Gravitation	s related to (c) Forest	(d) Ocean
123	'Artist' is related to 'Painting (a) Poet	in the same way as 'Sympl' (b) Novelist	nony' is related to (c) Composer	(d) Essayist
124	Which number will complete	e the following series?		
	6, 11, 21, 36, 56, ? (a) 51	(b) 91	(c) 42	(d) 81
125	coding it, if MELLOW is cod	ed as TLSSVD.	ys (A, B, C, D). Find out which	
	(a) UFOEFS	(b) ALUKLY	(c) REDNET	(d) SDMCDQ
126	If MATHEMATICS = 1 2 3 4 (a) 12423412	5 1 2 3 6 7 8, then MAHATH (b) 12345123	IMA = ? (c) 12345678	(d) 12425341
127	Day after tomorrow is Pooja Diwali?	a. The same day next week	falls Diwali. Today is Monday	. What will be day after
	(a) Sunday	(b) Thursday	(c) Wednesday	(d) Friday

128.	If '+' means '÷'; 'x' means '- (a) 2	'; '÷' means '+' and '-' mea (b) 4	ns 'x', then 16 ÷8 x 6 – 2 + 1 (c) 3	12 = ? (d) 0
129.	Arrange the following works 1. Select 2. Seldom (a) 2,1,5,4,3	in the sequence in which the 3. Send 4. Selfish (b) 2,1,4,5,3	y occur in the dictionary 5. Seller (c) 2,5,4,1,3	(d) 1,2,4,5,3
130.	'North Pole' is related to 'Ma (a) Cell		• •	(d) Energy
131.	Find the missing number in to (a) 38	he following series.6, 12, 21, (b) 40	?, 48 (c) 45	(d) 33
132.	Which one is different from to (a) Cycle	ne rest three? (b) Scooter	(c) Car	(d) Tanga
133.	Which one is different from to (a) Herb	ne rest three? (b) Flower	(c) Tree	(d) Shrub
134.	Which one is different from to (a) Sweet – Sour	ne rest three? (b) Pointed – Blunt	(c) Long – High	(d) Hard - Soft
	e: Supply the right figures in p	lace of the question marks ir	the following questions.	
135.	2, 7, 14, 23, ?, 47 (a) 30	(b) 34	(c) 39	(d) 44
136.	1, 3, 7, 15, 31, ? (a) 38	(b) 49	(c) 63	(d) 42
137.	Find the Odd man out (a) Father	(b) Mother	(c) Sister	(d) Mother-in-law
	e: Select the pair that express	the relationship most similar		
138.	Editor : Magazine (a) Novel : writer	(b) Poem : Poet	(c) Chair : Carpenter	(d) Director : Film
139.	Music : Harmonium (a) Novel : Writer	(b)Words : Word Processor	(c) Author : Book	(d) Water : Tank
140.	Good : Excellent (a) Bad : immoral	(b) Blue print : Architect	(c) Caution : careless	(d) Jealousy : Respect
		GENERAL EN	GLISH	Marks : 30
Note	: Correct the following senter	ices, if necessary		
	Because of his mastery in thi		vide accepted.	
	<ul><li>(A) are widely accepted</li><li>(C) have widely accepted</li></ul>		(B) are side acceptance (D) have been wide accepte	ed
142	One of the men gave first aid (A) who had injured (C) which was injured	to Hitesh who is injured in a	road accident. (B) who was injured (D) as he was to injure	
143	43 The various practices and norms for bank's transactions are laid down by the Reserve Bank of India.  (A) are laid up  (B) are led down  (C) are lead up  (D) have been laid down			Bank of India.
	Why did you not spoken to m (A) did you not spoke (C) did you not speak	ne earlier?	(B) you did not speak (D) were you not spoken	
	May I know who did accompa (A) whom did accompany yo (C) whom did you accompany	ou .	(B) whom you accompanyin (D) who accompanied you	g

Note: Pick out the most effective pair of words from the given pair of words (A), (B), (C) and (D) to make the sentence/s meaningfully complete.				
146	Statistics is an tool for res from their observations of the (A) outstanding proj	e characteristics of samples.	make inferences of generaliz  (B) invaluablepro	
	(C) indispensable en		(D) important Pro	
147	In each of these questions, t sentence without changing th (2) and (3). Any one or more select your answer from amo- with you.1. since you must	neir meaning. Three probable or none of them may be co- ng the given five answer choi 2. as it is very 3. if it is v	e starters of the combined se rrect. Find out the correct sta ices.It is very cold here. You r ery	intence are given as (1), arter(s) and accordingly
<b>N</b> 1-4-	(A) only (1)	(B) only (2)	(C) only (3)	(d) (1) and (3) only
	e: Choose the one which best TENTATIVE (A) provisional	expresses the meaning of the (B) final	ne given word.  (C) current	(D) unreliable
149	SORDID	(b) mar	(o) ourion	(b) differentiable
	(A)splendid	(B) harmful	(C) dangerous	(D) dirty
	e: Look at the italicized part of the italicized part. If one of the accordingly against the corre indicate (D) as your response Other countries have eradica	e alternatives (A), (B) or (C) is esponding letter (A), (B) or (C e. Thus a 'no improvement' r	better than the italicized part ). If none of the substitutions response will be signified by	, indicate your response improves the sentence,
	(A) eradicated	(B) had eradicated	(C) did eradicate	(D)No improvement
151	We were not the wider for all (A) none	his effort to explain the case (B) neither	to us. (C) nevertheless	(D) No improvement
152	During his long discourse, he (A) touch upon	e did not touch that point. (B) touch on	(C) touch of	(D) No improvement
153	He has not and can never be (A) has not and cannot be (C) has not been and can not		nployer because he lacks ho (B) has not and can never t (D) No improvement	
154	e: Choose the opposite word. CHURLISH	/P) hanny	(C) polito	(D) accommodation
	(A) helpful : Choose the correct word fro	(B) happy	(C) polite	(D) accommodating
	This new magazine is known (A) casual	<u> </u>		(D) superficial
156	His critics found in his <i>overt</i> s (A) converse	statements some hidden des (B) pervert	igns. (C) covert	(D) contrived
157	He <i>died</i> with heart disease. (A) died from	(B) died of	(C) was dead from	(D) no improvement
158	He was a bachelor and bache (A) Do they?	elors get very lonely. <i>lsn't it?</i> (B) Are they not?	(C) Don't they?	(D) no improvement
	<ul> <li>Fill up the blanks with approximate This brand of television is qui</li> <li>(A) with</li> </ul>	-	(C) over	(D) than
160	The traveller slept under the (A) dark	shade of the banyan tr (B) cool	ree. (C) cold	(D) cooling
	Being guilty, my daughter wa (A) look	s afraid to me in the eye (B) confront	(C) encounter	(D) meet
	No matter what come of (A) temptation	our way, we should not lose of		(D) provocations

Note: In the following questions, a sentence has been given in active / passive voice. Out of the four alternatives suggested, select the one which best expresses the same sentence in passive / active voice.

- 163 Somebody told me that there had been an explosion in the Town Hall.
  - (A) I was told by somebody that there had been an explosion in the Town Hall.
  - (B) I was informed that there was an explosion in the Town Hall.
  - (C) I was told about the explosion in the Town Hall.
  - (D) I was told by somebody about the explosion in the Town Hall.
- 164 Rain disrupted the last day's play between India and Sri Lanka.
  - (A) The last day's play between India and Sri Lanka were disrupted by the rain.
  - (B) The last day's play between India and Sri Lanka was disrupted by the rain.
  - (C) India and Sri Lanka's play of the last day was disrupted by the rain.
  - (D) The last day's play of India and Sri Lanka was disrupted by the rain.

Note: In the following questions, a sentence is given in direct speech. Out of the four alternatives suggested, select the one which best expresses the same sentence in indirect speech.

- 165 He said, "What a beautiful scene!"
  - (A) He said, that what a beautiful scene.
  - (B) He wondered that it was a beautiful scene.
  - (C) He exclaimed that it was a very beautiful scene.
  - (D) He exclaimed what a beautiful scene.
- 166 He said to them, "Don't make noise."
  - (A) He told them not to make noise.
  - (B) He asked them not to make a noise.
  - (C) He told them that don't make a noise.
  - (D) He told them not to make a noise.

Note: Read the following passage and answer the questions on the passage.

It is very easy and harmless for a healthy person to make a gift of his blood. There is an average of five to eight litres of blood in a healthy man. Giving away a small quantity of this will not do him any harm. The human body is a remarkable machine whatever blood has been taken from it is soon replaced by new blood, provided the blood loss is small.

- 167 From the passage, which of the following statements best reflects the attitude of the author?
  - (A) The author is skeptical about the wisdom of donating blood.
  - (B) The author is totally against blood donation.
  - (C) The author supports the idea of blood donation is small quantities.
  - (D) The author thinks that any amount of blood can be donated because the body replaces it.
- 168 According to the passage, the blood donor
  - (A) Must be a healthy person.
  - (B) Must be ready to donate blood free.
  - (C) Must have sufficient quantity of blood in his body.
  - (D) Should not have donated blood earlier at any time.
- 169 The statement 'the human body is a remarkable machine' signifies that the human body
  - (A) is very strong.
  - (B) Can be repaired like a machine when it breaks down.
  - (C) Has the capacity to make up for occasional losses.
  - (D) Can be precisely valued.

Note: Three pairs express the relationship similar to that expressed in the capitalized pair. Select that pair which is not related in this way.

- 170 EDITOR: NEWSPAPER
  - (A) Lecturer University

(B) Teacher - School

(C) Nurse - Hospital

(D) Architect - Design

## **GENERAL KNOWLEDGE**

Marks: 30

171	The members of Lok Sabha hold office for a term of (a) 4 years (b) 5 years	(c) 6 years	(d) 3 years
172	The minimum age required to become a member of Ra (a) 25 years (b) 21 years	ajya Sabha is (c) 18 years	(d) 35 years
173	The name of a candidate for the office of president of Ir (a) any five citizens of India (b) any five members of the Parliament (c) any one member of the Electoral College (d) any ten members of the Electoral College	ndia may be proposed by	
174	The power of the Supreme Court of India to decide the (a) advisory jurisdiction (c) original jurisdiction	dispute between the centre (b) appellate jurisdiction (d) constitutional jurisdiction	
175	The president of India may resign his office by writing a (a) Vice President (b) Chief justice of India who administered the oath of (c) Prime Minister (d) Speaker of the Lok Sabha	-	d to the
176	The Vice President acts as the President of India when <ul><li>(a) President is sick</li><li>(c) President is absent from the country</li></ul>	the (b) President is unable to (d) all the above	discharge his duties
177	The chief justice of the High Court is appointed by  (a) the governor of the state  (c) the chief ministers of the states	(b) the president of India (d) the chief justice of Ind	lia
178	What is Zero hour?  (a) When money bill is introduced in the Lok Sabha  (c) When proposals of opposition are considered	(b) When matters of utmo (d) Interval between morn	
179	Which one of the following was appointed as prime min House of Parliament at the time of appointment? (a) Lal Bahadur Shastri (c) P V Narasimharao	nister even though he/she wa (b) Indira Gandhi (d) All of the above	as not a member of eithe
180	To prevent recurrence of scams in Indian Capital Mark powers to (a) SEBI (b) RBI	et, the Government of India	has assigned regulatory (d) ICICI
181	Which among the following banks neither advances loar deposits?  (a) Reserve Bank of India (c) Unscheduled Banks	• •	` '
182	The largest producer of coal in the world is (a)Russia (b) Canada	(c) UK	(d) USA
	DRDL stands for  (a) Defence Research and Development Laboratory  (b) Department of Research and Development Laborat  (c) Differential Research and Documentation Laborator  (d) None of the above	•	
	For galvanizing iron which of the following metal is used (a) Aluminium (b) Copper	d? (c) Lead	(d) Zinc
	For purifying drinking water alum is used  (a) for coagulation of mud particles  (c) to remove salts	(b) to kill bacteria	

186	Gravity setting chambers are	used in industries to remove		
	(a) SO <sub>2</sub> (c) suspended particulate ma	atter	(b) NO <sub>2</sub> (d) CO	
187	He is a mathematician and astronomer of the 12 <sup>th</sup> century. His name is associated with India's third satellite. He is			
	(a) Aryabhatta (c) Bhaskara II		(b) Bhaskara I (d) None of the above	
188	<ul> <li>Lal Bahadur Shastri</li> <li>(a) succeeded Pandit Nehru as the second Prime Minister of India.</li> <li>(b) signed the Tashkent Agreement with Ayub Khan for a ceasefire between India and Pakistan.</li> <li>(c) is also known as 'Man of Peace'.</li> <li>(d) all of the above.</li> </ul>			
189	Name of the instrument used (a) Hydrometer (c) Barometer	I to measure relative humidit	y (b) Hygrometer (d) Mercury thermometer	
190	Profit made when an asset is (a) capital	sold for more than the price (b) capital-gain	at which it was bought is ca (c) capitalism	illed (d) None of the above
191	Recession is  (a) slowing down of economic activity over a limited period  (b) period during which unemployment may rise & demand & output may fall, leading to slump in trade  (c) period that results from accumulation of unsold goods, owing to a fall in demand  (d) all of the above			
192	Shankaracharya was the four (a) Buddhism (c) Aryasamaj	nder of	(b) Jainism (d) Advaitic philosophy	
193	The 2006 Word Cup Football (a) France	Tournament was held in (b) China	(c) Germany	(d) Brazil
194	The Chief of the Army staff is assisted by  (a) vice-chief of the Army Staff  (b) Principal staff officers such as Deputy Chief Adjustant General, Military Secretary  (c) Both (a) and (b)  (d) None of the above			
195	The official language of the G (a) English	Government of India is (b) Malayalam	(c) Hindi	(d) Marathi
196	The Olympic Symbol (Summ (a) the sporting friendship or (c) both (a) and (b)		ngs or circles linked together (b) the five continents (d) none of the above	to represent
197	The 'pulse' of the aquatic env (a) nitrogen	vironment can be ascertained (b) oxygen	d by measuring (c) alkalinity	(d) conductivity
198	What is the normal red blood (a) 2 million red blood cells (c) 4 million red blood cells	count per cubic mm?	(b) 3 million red blood cells (d) 5 million red blood cells	
199	Which of the following statements is correct regarding Bal Gangadhar Tilak?  (a) an aggressive freedom fighter  (b) Author of Gita Rahasya  (c) Started two well-known newspapers Kesari (Marathi) and Mahratta (English)  (d) All of the above			
200	Which one of the following co	onstituents of human diet get (b) Fats	ts nearly destroyed during th (c) Proteins	e process of cooking? (d) Vitamins