=== REASONING ABILITY ====

1. Four of the following five are alike in a certain way on the basis of their positions in the English alphabet and so form a group. Which is the one that **does not** belong to the group?

(1) AZ (2) EV (3) BY (4) GT (5) DU

2. If '\$' means '×', '#' means '÷', '*****' means '-' and '@' means '+' then what is the value of 204 # 6 ***** 15 \$ 8 @ 88?

(1) 8 (2) 2 (3) -6 (4) 12 (5) None of these **3.** If the position of the first and the sixth letters of the word 'PRESCRIBED' are interchanged, similarly position of the second and the seventh letters are interchanged and so on. Which letter will be fourth from the left end after the

rearrangement? (1) E (2) S (3) B (4) D (5) None of these

4. How many such pairs of letters are there in the word INTERNAL, each of which has as many letters between them in the word as they have in the English alphabet?

- (1) None (2) One (3) Two
- (4) Three (5) None of these

5. In a certain code DIVERT is written as SCQHDU, how is CONFER written in that code?

- (1) QBDNEO (2) QDBNEM (3) QBDNEM
- (4) QDBNEO (5) None of these

Qs. 6-10. In each question below is given a statement followed by two courses of action numbered I and II. A course of action is a step or administrative decision to be taken for improvement, follow-up or further action in regard to the problem, policy, etc. On the basis of the information given in the statement, you have to assume everything in the statement to be true, then decide which of the suggested courses of action logically follow(s) for pursuing.

Give answer (1) if only I follows.

Give answer (2) if only II follows.

Give answer (3) if either I or II follows.

Give answer (4) if neither I nor II follows.

Give answer (5) if both I and II follow.

Statement:

6. A country cannot develop without fast and easy communication.

Courses of action:

- I. Govt. should provide communication facilities to the public at a cheaper rate.
- More private companies should be permitted to enter into field of communication to strengthen the network.

Statement:

7. "Due to availability of air tickets at cheaper rates from various airlines large no. of people now a days prefer to travel by air than travelling by train."

Courses of action:

- I. Railway ministry has to put in its best efforts to improve the quality of rail journey in respect of facilities and also the punctuality.
- II. Airlines should not be allowed to introduce various schemes offering concessional fare.

Statement:

8. Continuous use of computers is affecting the eyesights of many youth.

Courses of action:

- I. All the establishments should permit the people using computer to take a short break after every hour of work on the computer.
- II. Use of computers should be discouraged by the managements of the establishments.

Statement:

9. Proportion of females compared to that of males in the population of our country has drastically gone down in the recent past.

Courses of action:

- Social workers shoule take up the task of emphasizing the importance of having atleast one female child in each family in both rural and urban areas of the county.
- II. Government should severely punish the persons involved in the practice of female foeticide.

Statement:

10. Reading habits in the children of coming generations is diminishing day by day.

Courses of action:

- I. Access to various electronic gadgets such as television, computer and particularly the internet should be controlled.
- II. Parents should ensure and cultivate reading habits among their children.

Qs. 11-15. Study the following information carefully to answer these questions.

Seven T.V. channels A, B, C, D, E, F and G telecast different programmes P, Q, R, S, T, U and V on different days of the week from Monday to Sunday, not necessarily in

the same order.

Channel A telecast Programme T on Sunday. Channel D does not telecast Programme P or U but telecasts on the day just prior to Channel F. Channel C telecasts Programme Q but not on Monday. Channel B telecasts Programme R on Tuesday. Channel G telecasts Programme V but not on Monday. Channel C telecasts on the next day of Channel G and previous day of Channel D. Programme 'P' is telecast before Programme 'U'.

11. Which programme is telecast on Thursday?

(1) P (2) S (3) R (4) U (5) None of these**12.** Which of the following combination of day-channel-programme is correct?

(1) Thursday—C—R (2) Tuesday—C—Q

(3) Saturday—E—U (4) Monday—E—P

(5) None of these

13. Which channel telecasts on Wednesday?

(1) F (2) E (3) G

(4) Cannot be determined (5) None of these **14.** Channel 'C' telecasts on which day of the week?

(1) Thursday (2) Tuesday (3) Friday

(4) Cannot be determined (5) None of these**15.** Which channel telecasts programme 'S'?

(1) E (2) D (3) F (4) D or E (5) None of these

Qs. 16-20. In making decisions about important questions, it is desirable to be able to distinguish between "strong" arguments and "weak" arguments. "Strong" arguments must be both important and directly related to the question. "Weak" arguments may not be directly related to the question and may be of minor importance or may be related to the trivial aspects of the question.

Each question below is followed by two arguments numbered I and II. You have to decide which of the arguments is a "strong" argument and which is a "weak" argument.

Give answer (1) if only argument I is strong.

Give answer (2) if only argument II is strong.

Give answer (3) if either argument I or II is strong.

Give answer (4) if neither argument I nor II is strong.

Give answer (5) if both arguments I and II are strong.

16. Should there be a quota for underprivileged categories and the minority communities for admissions into the premier educational institutions in India?

Arguments:

- I. No, admissions to the premier institutes should be only on merit and there should be no system for any special consideration.
- II. No, this will put the deserving non-reserved category students to disadvantage.

17. Can the total ban on dance bars across a State be justified?

Arguments:

- I. Yes, running of dance bars gives scope for various illegal and criminal activities.
- II. No, the livelihood of the families of bar-girls is totally dependent on the dance bars.

18. Should the top officials and politicians detained by the law enforcement agencies be given special treatment

in jails while under-trial?

Arguments:

- I. No, there is no such need for any special treatment, they should be treated like all other detainees.
- II. Yes, it is necessary to take care of their special security requirements.

19. Should stricter discipline be imposed upon all the children by parents and teachers in view of the increasing criminal cases among the youth?

Arguments:

- I. Yes, too much freedom to the children is leading to such cases of crime.
- II. No, freedom to the children is necessary in the changing social scenario.

20. Should the gender-reassignment surgeries be legally permitted?

Arguments:

- I. Yes, it is the genuine need of the transsexuals.
- II. No, people will take disadvantage of the facility since it is difficult to judge the genuineness of the requirement.

Q. 21-25. Below is given a passage followed by several possible inferences which can be drawn from the facts stated in the passage. You have to examine each inference separately in the context of the passage and decide upon its degree of truth or falsity. Mark answer:

- (1) if the inference is "definitely true" *i.e.* it properly follows from the statement of facts given.
- (2) if the inference is **"probably true"** though not "definitely true" in the light of the facts given.
- (3) if the **data are inadequate** *i.e.* from the facts given you cannot say whether the inference is likely to be true or false.
- (4) if the inference is "probably false" though not "definitely false" in the light of the facts given.
- (5) if the inference is "definitely false" *i.e.* it cannot possibly be drawn from the facts given or it contradicts the given facts.

There has been a complete turnaround in global coal markets over the last couple of years. While a booming economy led China to turn from being a net coal exporter into a net importer, Japanese nuclear closures contributed to additional demand for steam coal imports. A weakening USA dollar led exporters to further nudge prices northwards. As a result, global coal prices jumped from about \$25 per tonne in 2003 to over \$60 per tonne by July 2004. Above all Chinese demand for commodities sent bulk cargo freight rates to dizzying heights of \$25-30 per tonne. While there has been some moderation in coal prices, since July 2004, prices effectively remained above \$50 per tonne during the first half of 2005. In the ensuing scenario, the rationale for large scale imports of coal needs to be revisited. In fact, citing high prices, utilities are shying away from importing coal as per the schedule plan for 2005-06. This has led to additional pressure on indigenous coal companies, already stressed with enhanced production targets.

21. Japan's nuclear closure did not have an effect on

the rise in coal prices worldwide.

22. In the changing scenario Indian utility companies are considering other options to coal for their energy requirements.

23. Import of coal was a preferred option by the utility

companies prior to 2004.

24. China has become the largest coal importer in the world.

25. Coal prices have increased by about 100% in the recent past.

Qs. 26-30. In each of the questions given below which one of the five answer figures on the right should come after the problem figures on the left, if the sequence were continued?



31. The average of five consecutive odd numbers is 21. Which is the lowest number of the five?

(1) 15 (2) 19 (3) 13

(4) Cannot be determined (5) None of these

32. Vipul told Neha that a number when multiplied by 5 and 7 gives two numbers with a difference of 300. What is the number?

(1) 125 (2) 100 (3) 150

(4) Cannot be determined (5) None of these

33. Rs 123 is accrued as compound interest on an amount at the rate of 5 p.c.p.a. after two years. How much will be the compound interest at the end of three years?

(1) Rs 129.15 (2) Rs 189.15 (3) Rs 117.15

(4) Cannot be determined (5) None of these

34. Vidya bought a cup for Rs 80 after getting

 $66\frac{2}{3}$ % rebate on the printed price. What was the printed price?

(1) Rs 120 (2) Rs 140 (3) Rs 180

(4) Cannot be determined (5) None of these

35. What will come in place of the question mark (?) in the following series?

5 21 96 500 3030 ?

36. Two-fifth of three-fourth of a number is 174. What is the number?

(5) None of these

(2) 18210

(3) 21252

(1) 232 (2) 326 (3) 435 (4) 480 (5) None of these

37. A train crosses a platform in 40 seconds. What is the speed of the train in km/hr? In order to answer the question, which of the following information is required?

(A) Length of the train.

(1) 15175

(4) 18216

- (B) Length of the platform.
- (C) The time, the train takes to cross a pole.
- (1) A and B only (2) B and C only
- (3) A and C only (4) Any two of A, B, C
- (5) All the three A, B, C

Qs. 38-39. Study the following information to answer the given questions.

Out of 6 men and 3 women, a committee of 4 is to be formed. In how many different ways it can be done if the committee must have:

38. At least 2 men

(1) 252 (2) 120 (3) 180 (4) 126 (5) None of these **39.** 3 men and 1 woman

(1) 126 (2) 63 (3) 30 (4) 60 (5) None of these

40. When the numerator of a fraction is increased by 1, and the denominator is also increased by 1, the fraction

becomes	$\frac{2}{3}$.	What was	the	original	fraction?
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- (1) $\frac{1}{2}$ (2) $\frac{5}{8}$ (3) $\frac{11}{17}$
- (4) Cannot be determined (5) None of these

Qs. 41-45. Study the following graph to answer the given questions:

Per cent increase in export of three companies A, B, C over the years



41. Which Company has shown steady increase in per cent increase in exports from that of previous year over the given years?

- (1) B
 - B (2) C

(4) Cannot be determined (5) None of these**42.** For Company C, the exports in 2001 were at 950.

(3) A

How much was the export in 2000? (1) 980 (2) 997.5 (3) 1010 (4) 1002.5 (5) 990.2 **43.** For Company C, the exports in 1999 were at 1078.

How much was the export in 1998? (1) 1999 (1) 1999

(1) 1078 (2) 1185.8 (3) 990 (4) 1000 (5) 980

44. For Company A, how much is the average of per cent increase in exports for the given years?

(1) 60 (2) 45 (3) 40 (4) $36\frac{2}{3}$ (5) None of these

45. Which Company had the highest amount of export in the year 2001?

(1)	А	(2) B	(3)	С
(4)	Cannot be de	termined	(5)	None of these

Qs. 46-50. Study the following table to answer the given questions:

Number of Participants in different Programmes (A, B, C, D, E, F) over the given years (Number in hundreds)

Programme	А	В	С	D	Е	F
Year						
2005	4.7	15	2.7	0.97	14	1.9
2004	4.5	14.5	2.4	0.95	14	1.8
2003	4.1	13	2	0.9	13	1.7
2002	4	13	1.9	0.8	13	1.6
2001	2.2	12	1.5	0.75	12	1.4
2000	2	11	1.3	0.65	12	1.3
1999	1.7	12	1.1	0.6	12	1.17
1998	2	10	1	0.5	12	1.08

46. For Programme B, which year was the per cent increase in the number from the preceding year the maximum?

(1) 2005 (2) 1999 (3) 2002

(4) 2004 (5) None of these

47. What is the difference in the total number of participants in different programmes in the years 2003 and 2004?

(1) 2.4 (2) 3.75 (3) 345 (4) 240 (5) None of these **48.** For Programme A, how much is the per cent increase in the number from 2000 to 2001?

(1) 20 (2) 10 (3) 100 (4) 0.20 (5) None of these **49.** For the given years, the total number of participants

for Programme D is what per cent of that of Programme E? (1) 6 (2) 7 (3) 7.25 (4) 6.78 (5) None of these

50. For which programme was there an increase in number from the previous year for all the given years?

- (1) A and C only (2) A, C and D only
- (3) B, C and D only (4) B, C and F only
- (5) C, D and F only

ANSWERS AND EXPLANATIONS

- 1. (5) Other pairs occupy the same place in alphabets from A and Z.
- 2. (2) $204 \div 6 15 \times 8 + 88 = 34 120 + 88 = 2$. (Apply BODMAS)
- 3. (1) Left \leftarrow RIBEDPRESS \rightarrow Right
- 4. (4) IN, TR and NL.

5. (3) $\underline{D} I \underline{V} \underline{E} \underline{R} T$ would be TDRIEV hence CONFER would be RCEOFN. The preceding letter in alphabets is the code.

6.	(5)	7. (1)	8. (1)	9. (5)	10. (2)
11-1	15.	Days	Channel	Programme	
		Mon	F	P	
		Tue	В	R	
		Wed	G	V	
		Thurs	С	Q	
		Fri	D	S	
		Sat	E	U	
		Sun	А	Т	
11.	(5)	12. (3)	13. (3)	14. (1)	15. (2)
16.	(1)	17. (5)	18. (3	19. (3)	20. (2)
21.	(5)	22. (3)	23. (2)	24. (2)	25. (1)
26.	(3)	27. (4)	28. (2)	29. (5)	30. (1)
31.	(5)	17, 19, 21, 23, 25	5. 32. (3)	$300 \div (7-5).$	
33.	(2)		34. (5)	Rs 240.	
35.	(3)	$5 \times 3 + 3 \times 2 = 2$	21; 21 × 4	$4 + 3 \times 4 = 96;$	
		$96 \times 5 + 4 \times 5 =$	500; 500	$\times 6 + 5 \times 6 = 30$)30;
		$3030 \times 7 + 6 \times 7$	= 21252.		
36.	(5)	Number is 580.	$\frac{3}{4}$ th is 4	35 and its $\frac{2}{5}$ th	= 174.
37.	(1)	38. (2)	39. (4)	40. (1)	41. (1)
42.	(2)	43. (1)	44. (3)	45. (4)	46. (2)
47.	(3)	48. (2)	49. (1)	50. (5)	. /
				(-)	

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Test-III : Quantitative Aptitude

Directions (Q. 81-95): What value should come in the place of question mark(?) in the following questions?

81.	1. 3.3 + 13.33 + 31.13 + 13.31 + 1.3 = ?		
	1) 64.31	2) 62.37	3) 64.47
	4) 62.17	5) None of these	
82.	$(16)^2 + (21)^2 - (13)^2 + ?$	$=(25)^2$	
	1) 67	2) 32	3) 81
	4) 97	5) none of these	
83.	$47 + 345 \div 15 \times 2 = ?$		
	1) 68	2) 93	3) 59
	4) 71	5) None of these	
84.	73% of 5800 - 69% of 24	40 = ?	
	1) 4608.3	2) 4210.8	3) 4008.4
	4) 4680.4	5) None of these	
85.	$\left(\frac{17}{119} \times \frac{98}{14}\right)^2 = ?$		
	1) 5	2) 7	3) 3
	4) 9	5) None of these	
86.	$3.2 \times 2.1 \times 1.6 = ?$		
	1) 12.732	2) 10.752	3) 17.520
	4) 15.270	5) None of these	
87.	$\frac{7}{4}$ of $\frac{2}{28}$ of $\frac{8}{9}$ of $567 = ?$		
	1) 76	2) 91	3) 63
	4) 82	5) None of these	
88.	$65 \times 15 \div ? = 195$		
	1) 5	2) 2	3) 1
	4) 6	5) None of these	
89.	204% of ? = 1848.24		
	1) 517	2) 784	3) 321
	4) 906	5) None of these	

90.	9786 - 4321 + 5053 = ? -	3727	
	1) 14245	2) 14524	3) 14452
	4) 14254	5) None of these	
91.	$\frac{17}{24} \div \frac{68}{24} \times \frac{380}{95} = (?)^2$		
	1) 4	2) 8	3) 6
	4) 9	5) None of these	
92.	$\sqrt{324} + \sqrt{1296} = ?$		
	1) 52	2 44	3) 54
	4) 42	5) None of these	
93.	$23 + 636 \div 12 - 14 = ?$		
	1) 41	2) 53	3) 62
	4) 78	5) None of these	
94.	$\frac{9}{5}$ of $\frac{265}{513}$ of ? = 159		
	1) 171	2) 198	3) 215
	4) 143	5) None of these	
95.	$6.5 \div 0.5 \times 2 - 4 = ?$		
	1) 31	2) 19	3) 22
	4) 27	5) None of these	
96.	At what rate of simple inter	est will ₹ 4800 amount of ₹	6480 in a span of 7 years?
	1) 5	2) 6	3) 3
	4) 4	5) None of these	
97.	How much will a sum of ₹	5,300 amount to in a span of	of 2 years, at 5 pcpa rate of
	compound interest (rounde	d off to the nearest integer)?
	1) ₹ 6946	2) ₹ 6876	3) ₹ 6521
	4) ₹ 6790	5) ₹ 6492	
98.	In how many different way	s can the letters of the wor	rd BAKERY be arranged?
	1) 2400	2) 2005	3) 720
	4) 5040	5) None of these	

99.	What will be the average of est integer)?	f the following set of score	es (rounded off to the near-
	62 76 <i>A</i> 2 8 <i>A</i> 21 <i>A</i> 7 28		
	1) 57	2) 54	2) 51
	1) 57	2) 54	5) 51
100	4) 02 The product of three consec	3)00	hat is the least number?
100.	1) 17	$\frac{1}{2}$	
	1) 17	2) 14 5) Numera C (1 mm	3) 13
101	4) 10 The second side is 2464	5) None of these	· · · · · · · · · · · · · · · · · · ·
101.	The area of circle is 2464 s	quare meters. What will it	s circumference be?
	1) 132 meters	2) 176 meters	3) 232 meters
	4) 272 meters	5) 109 meters	
102.	The cost of 24 pens and 13 pencils?	pencils is ₹ 175. What is	the cost of 48 pens and 26
	1) ₹ 435	2) ₹ 705	3) ₹ 290
	4) ₹ 350	4) None of these	
Dire	ctions (Q. 103-105): Study	the following information	on and answer the ques-
tions	s that follow:		
A su	m of ₹ 10,980 is to be divid	ed amongst A, B and C in	the ratio 7 : 3 : 5
103.	What is C's share?		
	1) ₹ 3,600	2) ₹ 3,006	3) ₹ 3,060
	4) ₹ 3,660	4) ₹ 3,124	
104.	What is the sum of B's and	C's share?	
	1) ₹ 5,685	2) ₹ 5,865	3) ₹ 5,897
	4) ₹ 5,873	5) ₹ 5,856	
105.	What is the difference betw	een A's and B's share?	
	1) ₹ 2,196	2) ₹ 2,928	3) ₹ 2,961
	4) ₹ 2,289	5) ₹ 2,982	
106.	If the perimeter of a rectang	le is 138 metres and the dif	ference between the length
	and the breadth is 7 metres,	what is the area of the rec	ctangle?
	1) 1216 square meters	2) 1147 square metres	
	3) 1184 square metres	4) 1178 square metres	
	5) None of these		

Directins (q. 107-111): What should come in place of question mark(?) in the following number series?

107.	7, 17, 54, ?, 1098, 6591		
	1) 204	2) 212	3) 223
	4) 219	5 None of these	
108.	55, 109, ? 433, 865, 1729		
	1) 279	2) 372	3) 217
	4) 318	5) None of these	
109.	19, 38, ?, 228, 684, 1368		
	1) 106	2) 114	3) 121
	4) 98	5) None of these	
110.	87, 89, 95, 107, ?, 157		
	1) 127	2) 122	3) 139
	4) 140	5) None of these	
111.	474, 459, 429, 369, 249, ?		
	1) 9	2) 0	3) 4
	4) 11	5) None of these	
112.	10 years ago, the ages of A	and B were in the ratio of	13 : 17. 17 years from now
	the ratio of their ages will b	be 10 : 11. What is the age	of B at present?
	1) 23 years	2) 40 years	3) 27 years
	4) 44 years	5) None of these	

Directions (Q. 113-117): Study the following table and answer the questions that follow:

The table represents the total sales value (in lakhs) of five books, P, Q, R, S and T across eight book stores, A, B, C, D, E, F, G and H.

Books		Book stores						
	Α	B	С	D	E	F	G	Η
Р	560	590	210	670	560	680	420	460
Q	550	560	890	230	820	610	520	230
R	450	290	540	530	500	520	560	410
S	230	240	560	400	430	200	210	480
Т	230	400	410	240	200	360	500	470

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113.	113. What is the ratio the total sales values of Book P across all the bookstores and				
	Book S across all the books	stores?			
	1) 83 : 55	2) 85 : 53	3) 83 :53		
	4) 89 : 55	5) None of these			
114.	The sale of the book R from	om Bookstore H is what p	er cent of the total sale of		
	Book R across all the book	stores (rounded off to two	places after the decimal)?		
	1) 21.12	2) 17.19	3) 7.43		
	4) 3.04	5) 10.79			
115.	What is the average sale (in	n lakh) of Bookstore E?			
	1) 502	2) 504	3) 512		
	4) 540	5) None of these			
116.	Book Q constituted approx	ximately what per cent of t	the total sales of Bookstore		
	C?				
	1) 34	2) 39	3) 32		
	4) 23	5) 28			
117.	What is the total sales value	e (in lakh) of Bookstore D	?		
	1) 2510	2) 2670	3) 2900		
	4) 2070	5) None of these			
118.	The cost price of an article	is ₹480. If it is to be sold	at a profit of 6.25 per cent,		
	what would its selling price	e be?			
	1) ₹510	2)₹530	3) ₹503		
	4) ₹519	5) None of these			
119.	13 articles were bought for	₹5,980 and sold for ₹6,65	56. What was the approxi -		
	mate profit percentage per	article?			
	1) 15%	2) 11%	3) 9%		
	4) 19%	5) 13%			
120.	A and B together can comp	plete a particular task in 4	days. If A alone can com-		
	plete the same task in 6 day	ys, how many days will B	take to complete the task if		
	he works alone?	2) 7	2) 14		
	1) 8	2) 7	3) 14		
	4) 12	5) None of these			

General Intelligence

Directions (1-4): In each of the following questions, a series is given with one term missing. Choose the correct alternative from the given ones that will complete the series. 1. 3, 4, 7, 11, 18, 29,? (1) 31 (2) 39 (3) 43 (4) 47 2. AGMSY, CIOUA, EKQWC, ?, IOUAG, KQWCI (1) GMSYE (2) FMSYE (3) GNSYD (4) FMYES 3. 975, 864, 753, 642,? (1) 431 (2) 314 (3) 531 (4) 532 4. 8, 24, 12, ?, 18, 54 (1) 28 (2) 36 (3) 46 (4) 38

5. Ashok's mother was 3 times as old Ashok 5 years ago. After 5 years she will be twice as old as Ashok. How old is Ashok today?

(1) 10 years

- (2) 15 years
- (3) 20 years
- (4) 25 years

6. M is the son of P. Q is the granddaughter of 0 who is the husband of P. How is M related to O?

- (1) Son
- (2) Daughter
- (3) Mother
- (4) Father

7. In a row of boys, Srinath is 7th from the left and Venkat is 12th from the right. If they interchange their positions, Srinath becomes 22nd from the left. How many boys are there in the

row?

- (1) 19
- (2) 31
- (3) 33
- (4) 34

8. From the given alternative words, select the word which cannot be formed using the letters of the given word: Given: IMPASSIONABLE

(1) IMPASSABLE

(2) IMPOSSIBLE

- (3) IMPASSIVE
- (4) IMPASSION

9. Only one meaningful word can be formed by rearranging the letter of the given jumbled word. Find out that word.

- (1) METAMORPHIC
- (2) PHILANTHROPIST
- (3) HIPPOCAMPUS
- (4) HIPPOPOTAMUS

10. Which number is wrong in the given series?

- 1, 9, 25, 50, 81
- (1) 1
- (2) 25
- (3) 50
- (4) 81

Directions (11-17): in each of the following questions find the odd word/ letters/number/figure from the given responses.

- 11.
- (1) Room
- (2) Chamber
- (3) Veranda
- (4) Cabin

12.

- (1) Mouth ORgan
- (2) Electric Guitar
- (3) Keyboard
- (4) Sonata

13. (1) A (2) I (3) D (4) E
14. (1) RNMP (2) HDCF (3) RPOQ (4) HDCF
15. (1) abcdE (2) ifghO (3) ApqrL (4) UImnE
16. (1) 6243 (2) 2643 (3) 8465 (4) 4867
17. (1) 49-33 (2) 62-46 (3) 83-67 (4) 70-55
 18. Petr walked 8 kms. west and turned right and walked 3 kms. The again he turned right and walked 12 kms. How far is he from the starting point? (1) 7 (2) 8 (3) 4

(4) 8

19. If '×' means 'addition' '-' means 'division', '÷' means 'subtraction' and '+' means 'multiplication', then which of the following equations is correct?
1) 16 + 5 - 10 × 4 ÷ 3 = 9
(2) 16 - 5 × 10 ÷ 4 + 3 = 12

(2) $16 - 5 \times 10 - 4 + 3 = 12$ (3) $16 + 5 \div 10 \times 4 - 3 = 9$ (4) $16 \times 5 \div 10 \div 4 - 3 = 19$

General Intelligence

20. A man starts from a point, walks 8 km towards north, turns right and walks 12 km, turns left and walks 7 km, turn and walks 24 km towards south, turns right and walks 12 km. In which direction is he from the starting point?

- (1) North
- (2) South
- (3) West
- (4) East

21. Fish : Scales : : Bear : ? (1) Feathers (2) Leaves (3) Fur (4) Skin 22. Writer : Pen : : ? (1) Needle (2) Artist : : Tailor Brush (3) Painter (4) Teacher : Canvas : Class 23. NUMERAL : UEALRMN : : ALGEBRA : ? (1)LRBAGEA (2) BARLAGE (3)LERAGBA (4) LERABGA 24. BDAC : FHEG : : NPMO : ? (1) RQTS (2) NTRC (3) TRQS (4) RTQS 25. FGID : OPQR : : BCDE : ? (1) KLMJ (2) KLMN (3) IUVW (4) STUW 26. PNLJ : IGLC : : VTRP : ? (1) QMKI (2) RSTU (3) QSRC

(4) RPOM 27. 17 : 60 : : 20 : ? (1) 57 (2) 69 (3) 81 (4) 93 28.6:64:11:? (1) 144 (2) 169 (3) 121 (4) 124 29. 123 : 4 : : 726 ? (1) 23 (2) 26 (3) 14 (4) 12

Directions (30-35): In each of the following questions, find the odd number/letters/word from the given alternatives.

30.

- (1) Flute
- (2) Violin
- (3) Guitar
- (4) Sitar

31.

- (1) Prod
- (2) Sap
- (3) Jab

(4) Thrust

32.

- (1) JKOP
- (2) MNST
- (3) CABD
- (4) OPWX

33.

(1) CAFD

(2) TSWV

(3) IGLJ (4) OMRP

34.

(1) 162

- (2) 405
- (3) 567
- (4) 644

35.

(1) 156

(2) 201

(3) 273

(4) 345

Directions (36-40): In each of the following questions, find the odd number/letters/word from the given alternatives

36.

- (1) Ladder
- (2) Staircase
- (3) Bridge
- (4) Escalator

37.

- (1) Talking
- (2) Walking
- (3) Sleeping
- (4) Running

38.

(1) DWHS

- (2) BYDW
- (3) CWFS
- (4) EVJQ

39.

- (1) DHLP
- (2) TXBF
- (3) JNRV
- (4) YBEH

40.

(1) 1

(2) 65

(3) 8

(4) 64

Directions (41-44) In each of the following questions a series is given with one/two terms missing.

Choose the correct alternative from the given ones that will complete the series.

41. MNOABCPQRDEFST ?? (1) GK (2) UV (3) GH (4) UG 42. 59?=84 864 = 56 737=70 (1) 4 (2) 7 (3) 5 (4) 6 43. 9, 8, 10, 16, 11, ?, 12, 64 (1) 28 (2) 36 (3) 25 (4) 32 44.34,18,10,? (1) 8 (2) 5 (3) 7 (4) 6 45. Find the wrong number in the series. 7, 28, 63, 124, 215, 342 (1) 28 (2) 63 (3) 124

(4) 342