Test: Percentage

1. Two students appeared at an examination. One of them secured 9 marks more than the other and his marks was 56% of the sum of their marks. What are the marks obtained by them?

A. 42, 33 B. 42, 36

- C. 44, 33 D. 44, 36
- 2. If 20% of a = b, then b% of 20 is the same as:

A. None of these B. 10% of a

C. 4% of a D. 20% of a

3. Two numbers A and B are such that the sum of 5% of A and 4% of B is two-third of the sum of 6% of A and 8% of B. Find the ratio of A : B.

A. 2 : 1	B. 1 : 2
C. 1 : 1	D. 4 : 3

4. Two employees X and Y are paid a total of Rs. 550 per week by their employer. If X is paid 120 percent of the sum paid to Y, how much is Y paid per week?

Α.	Rs 150	B. 130

C.Rs. 250 D. Rs. 200

5. If number xx is 10% less than another number yy and yy is 10% more than 125, then find out the value of xx.

- A. 123 B. 122
- C. 122.25 D. 123.75
- 6. 1/3%of 240
 - A. 72 B. 16
 - C. 80 D. None
- 7. 1/9%of 900
 - A. 100 B. 20

C. 81

D. None

8. What percent is 70 of 280?

A. 25% B. 50% C. 75% D. None

9. A number increased by 20% gives 480. The number is

A. 380 B.4 20 C. 400 D. 300

10. A' salary is 30% less than B' salary but 25% more than C's salary. If A's salary is Rs.90 less than B's salary, find the salary of C.

A. 300 B.125 C. 168 D. 320

					-	Test:- Ser	ries				
11.	Which	nun	nber	would	re	eplace	the	question	mark	in	series
	7,12,19	,?,39									
a)	24	b) 28	c) 31	d) 33\							
12.	Which	nun	nber	would	re	eplace	the	question	mark	in	series
	5,9,17,2	29,45, ?									
a) 5	0	b) 60	c) 65	d) 70							
13.	2, 10, 4	0, 120,_									
a) 2	240	b) 360		c) 470		d) 210					
14.	Look at	this seri	es: 7, 1	0, 8, 11,	9, 12,						
Wha	at numb	er shoul	d come	next?							
a) 7	b) 19		c) 15		d) 18						
15.	64, 32,	16, 8, 4,									
a) 4	b) 6		c) 2		d) 1						
16.F	Find	the		wrong		number	in	the	giv	'en	series?
2, 5	, 13, 23	, 27, 41,	37, 67,								
a) 2	3	b) 41		c) 37		d) 27					
17.L	ook	at	this	S :	series:	3,	4,	7,	8,	11,	12,
	What n	umber s	hould c	ome nex	ct ?						
a) 7	b) 10		c) 15		d) 20						
18.	18, 10,	6, 4,	·								
a) 2	b) 3		c) 5		d) 7						
19.	ELFA, (glha, Il	_JA,	, MLM	A						
a) C	DLPA		b) KLN	IA		c) LLM/	4	d)Kl	LA		
20.	FAG, G	AF, HAI	, IAH,								
a) J	AK	b) HAL		c) HAK		d) JAI					

Test: Choose or find odd number:

21.	43 53,63,	73 , 83		
	a) 43	b) 53	c) 63	d) 73
22.	51, 64, 78, 91,	104, 117.		
	(a) 51	(b) 78	(c) 104	(d) 130
23.	147, 125, 103,	81, 58, 36, 14.		
	(a) 147	(b) 103 (c) 58	(d) 14	
24.	5, 15, 45, 137,	411, 1233.		
	(a) 137	(b) 1233	(c) 5	(d) None of these.
25.	17, 21, 26, 30,	34, 38, 42.		
	(a) 21	(b) 26	(c) 30	(d) None of these.
26.	Which is the od	d one out?		
	(a) 10 + 9	(b) 19 – 0	(c) 95 ÷ 5	(d) 19 × 0
27.	Which is the od	d one out?		
	(a) 55 – 44	(b) 121 ÷ 11	(c) 11 + 1	(d) 11 × 1
28.	Which is the od	d one out?		
	(a) 1 + 5	(b) 18 – 12	(c) 3 × 2	(d) 6 ÷ 3
29.	15, 25, 30, 34,	40, 50, 65, 75.		
	(a) 15	(b) 34	(c) 50	(d) 75
30.	4, 9, 25, 35, 36	, 64.		
	(a) 9	(b) 35	(c) 36	(d) None of these

Test: Coding and Decoding

31. li	TAP is coded as SZC	D, then how is FF	REEZE coded ?		
a) ATSSTS	b) EQDDYD	c) ESD	DYD	d) EQDDZD
32. li	n a certain code, SIKk	KIM is written as T	THLJJL, how is T	RAINING writter	n in that code?
а) SQBHOHOF	b) UQBHOIOF	c) UQBHOHOI	d) UQBHOHOP	:
33. li	n a certain code, MEN	ITION is written a	as LNEITNO. How	v is PATTERN v	vritten in that code?
а) ATAETNR b) OTA	AETNR	c) OTAESNR	d) STA	ETNR
34. li	n a certain code, TOG	ETHER is writter	n as RQEGRJCT	. In the same co	de, PAROLE will be
v	<i>r</i> ritten as,				
а) RYPQJG	b) RCPQJG	c) NCP	QJG	d) NCPQJC
35. lf	COOL is coded as D	QRP, then write	the code for HOT		
а) JQW	b) IQW	c) IQX	d) IPW	
36. If	in a certain language	e, COUNSEL is co	oded as BITIRAK	, how is GUIDA	NCE written in that code
?					
а) EOHYZJBBb) FOI	YZJBB	c) FOHYZJBB	d) None of abo	ve
37. lf	FRIEND is coded as	HUMJTK, how is	CANDLE writter	n in that code?	
а) EDRIRL	b) DCQHQK	c) DEQ	JQM	d) FYOBOC

38. If in a certain language, MADRAS is coded as NBESBT, how is BOMBAY coded in that code ? a) CPNCBX b) CPNCBZ c) CPOCBZ d) CQOCBZ 39. If in a code language, COULD is written as BNTKC and MARGIN is written as LZQFHM, how will MOULDING be written in that code ? a) CHMFINTK b) LNKTCHMF c) LNTKCHMF d) NITKHCMF 40. If DELHI is coded as 73541 and CALCUTTA as 82589662, how can CALICUT be coded ? a) 5279431 b) 5978213 c) 8251896 d) 8543691 **Test: Directions** 41. Siva Reddy walked 2 km west of his house and then turned south covering 4 km. Finally, He moved 3 km towards east and then again 1 km west. How far is he from his initial position? A.) 10 km B.) 9 km C.) 2 km D.) 4 km 42. A man walks 6 km to the east and then turn to the south 2 km. Again he turns to the east and walks 2 km. Next he turns northwards and walks 8 km. How far is he now from his starting point? A.) 18 km B.) 10 km C.) 16 km D.) 12 km 43. Rajesh's school bus is facing North when reaches his school. After starting from Rajesh's house, it turning twice and then left before reaching the school. What direction the bus facing when it left the bus stop in front of Rajesh's house? A.) East B.) North C.) South D.) West 44. Anil wants to go the university. He starts from his house which is in the East and comes to a crossing. The road to his left ends in a theatre, straight ahead is the hospital. In which direction is the University?

A.) East	B.) North
C.) South	D.) West

45. If South-East becomes North, North-East becomes West and so on, what will West become?

A.) North	B.) East
-----------	----------

C.) South-East D.) North-West

46. A man walks 1 km towards East and then he turns to South and walks 5 km. Again he turns to East and walks 2 km, after this he turns to North and walks 9 km. Now, how far is he from his starting point?

A.) 10 km B.) 9 km C.) 5 km D.) 4 km

47. I am facing South.I turn right and walk 20 m .Then I turn right again and walk 10 m .Then I turn left and walk 10 m and then turning right walk 20 m.Then,I turn right again and walks 60 m.In which direction am I from the starting point?

A.) North-East	B.) North-West		

C.) North D.) West

48. A villager went to meet his uncle in another village situated 5 km away in the North-East direction of his own village. From there he came to meet his father-in-law living in a village situated 4 km in the south of his uncle's village . How far away and in what direction is he now?

A.) 4 km in the East	B.) 3 km in the East

C.) 4 km in the west D.) 3 km in the North

49. Dhanumjay walks 10 m towards the South .Turning to the left ,he walks 20 m and then moves to his right. After moving a distance of 20 m ,he turns to the right and walks 20 m.Finally,he turns to the right and moves a distance of 10 m .How far and in which direction is he from the starting point?

A.) 20 m North	B.) 20 m South
C.) 10 m North	D.) 10 m South

50. Arjun walked 30 m towards East ,took a right turn and walked 40 m .Then he took a left turn and walked 30 m .In which direction is he now from the starting point?

A.) South-East	B.) South
----------------	-----------

<u>Test: Blood</u>	d Relations
51. Pointing towards Vaman, Madhav said "I am	the only son of his father's one of the sons."
How Vaman is related to Madhav?	
A.) Nephew	B.) Uncle
C.) Either father or uncle	D.) Father
52. Pointing to a photograph, Vipul said, "She	is the daughter of my grandfather's only son."
How is Vipul related to the girl in the photograph ?	
A.) Father	B.) Brother
C.) Uncle	D.) Cousin
53. Looking at a portrait of a man, Harsh said, "His sisters I have none." At whose portrait was Harsh loo	mother is the wife of my father's son. Brothers and king ?
A.) His son	B.) His nephew
C.) His uncle	D.) His cousin
54. Pointing to a girl in the photograph, Amar said, ' father." How is the girl's mother related to Amar ?	'Her mother`s brother is the only son of my mother's
A.) Mother	B.) Sister
C.) Aunt	D.) Grandmother
55. A girl introduced a boy as the son of the daughter	r of the father of her uncle. The boy is girl`s
A.) Brother	B.) Son

D.) East

C.) North-East

C.) Uncle D.) Son-in-law 56. If X is the brother of the son of Y's son, how is X related to Y? A.) Son B.) Brother C.) Grandson D.) Cousin 57. Pointing to a women in a photograph a man says "She is the daughter-in-law of the mother of my father's only grand son". How is he woman related to the man? A.) Wife B.) mother C.) daughter-in-law D.) daughter 58. Pointing to a man in a photograph a woman said, "His brother's father is the woman related to the man in the photograph? A.) Mother B.) Aunt C.) Sister D.) Daughter 59. Pointing to a photograph, a woman says, "This man's son's sister is my mother-in-law." How is the woman's husband related to the man in the photograph? A.) Grandson B.) Son C.) Nephew D.) Son-in-law 60. When Anuj saw Manish, he recalled, "He is the son of the father of my daughter." Who is Manish ? A.) Brother-in-law B.) Brother C.) Cousin D.) Uncle

Test: Sitting Arrangements

Directions (Q.	61- 63) Study t	he following inf	ormation carefu	Ily to ar	nswer these questions.
A. There are fiv	e friends.				
B. They are sta	nding in a row fa	acing south.			
C. Jayesh is to	the immediate r	ight to Alok.			
D. Pramod is be	etween Bhagat a	and Subodh .			
E. Subodh is be	tween Jayesh a	and Pramod.			
61. Who is at th	e extreme left e	end?			
a) Jay	esh	b)Subodh	c)Alok	d)Bhag	at
62. Who is in th	e Middle ?				
a) Bha	agat	b) Subodh	c)Jayesh		d)Pramod
63. To find the a	answers to the a	above questions,	which of the give	en stater	ments can be dispensed with ?
a) None	b) A or	nly	c)B only		d) C only
Directions (Q.	64- 68) Study t	he following inf	ormation carefu	Ily to ar	nswer these questions.
A, B, C, D, E, F	and G are sittir	ng on a wall and a	all of them are fa	cing eas	t.
II. C is on the in	nmediate right c	of D.			
III. B is at an ex	treme end and	has E as his neig	hbour.		
IV. G is betwee	n E and F.				
V. D is sitting th	ird from the sou	uth end.			
64. Who is sittir	ig to the Right c	of E ?			
a) A	b) C	c) D	d)G		
65. Which of the	e following pairs	s of people are si	tting at the extrer	ne ends	?
a) AE	b) AB	c) CB	d) FB		
66. Name the p	erson who shou	uld change places	s with C such tha	t he get	s the third place from the north
end.					
a) G	b)F	c)D	d)A		
67. Immediately	/ between which	n of the following	pairs of people D) is sittin	g ?
a) AC	b) AF	c)CF	d)CE		
68. Which of the	68. Which of the conditions given above are not required to find out the place in which A is sitting ?				
a) I	b)ll	c)IV	d)All required		
Directions (Q. 69- 70) Study the following information carefully to answer these questions.					
A. Eleven students, A, B, C, D, E, F, G, H, I, J and K, are sitting in the first row of the class facing the					
teacher.	leacher.				

B. D who is to the immediate left of F is second to the right of C.

C. A is the second to the right of E, who is at one of the ends.

D. J is the immediate neighbour of A and B and third to the left of G.

E. H is to the immediate left of D and third to the right of I.

69. Who is sitting in the middle of the row ?

a) B b)C c)G d)I

70. Which of the following group is sitting to the right of G?

a) CHDE b)CHDF c)IBJA d)ICHDF

Test : Age

71. Father is aged three times more than his son Ronit. After 8 years, he would be two and a half times of Ronit's age. After further 8 years, how many times would he be of Ronit's age?

А.	2 times	В.	$2\frac{1}{2}$ times
C.	$2\frac{3}{4}$ times	D.	3 times

72. The sum of ages of 5 children born at the intervals of 3 years each is 50 years. What is the age of the youngest child?

Α.	4 years	В.	8 years
C.	10 years	D.	None of these

- 73. A father said to his son, "I was as old as you are at the present at the time of your birth". If the father's age is 38 years now, the son's age five years back was:
 - Α. 14 years В. 19 years
 - C. 33 years D. 38 years
- 74. A is two years older than B who is twice as old as C. If the total of the ages of A, B and C be 27, the how old is B?

Α.	7	В.	8
C.	9	D.	10

75. Present ages of Sameer and Anand are in the ratio of 5: 4 respectively. Three years hence, the ratio of their ages will become 11: 9 respectively. What is Anand's present age in years?

Α.	24	В.	27
C.	40	D.	None of the above

76. A man is 24 years older than his son. In two years, his age will be twice the age of his son. The present age of his son is:

Α.	14 years	В.	18 years
C.	20 years	D.	22 Ears

	77. Six years ago, the ratio of the ages of Kunal and Sagar was 6 : 5. Four years hence, the ratio of their ages will be 11 : 10. What is Sagar's age at present?				
	Α.	16 years	В.	18 years	
	C.	20 years	D.	Cannot be determined	
	78. The five	e sum of the present ages of a father and h e times the age of the son. After 6 years, so	nis son is 60 on's age will	years. Six years ago, father's age was be:	
	Α.	12 years	В.	14 years	
	C.	18 years	D.	20 years	
	79. At be	present, the ratio between the ages of Arun 26 years. What is the age of Deepak at pre	n and Deepa esent ?	ak is 4 : 3. After 6 years, Arun's age will	
	Α.	12 years	В.	15 years	
	C.	19 and half	D.	21 years	
	80. Sa is S	chin is younger than Rahul by 7 years. If th Sachin?	eir ages are	e in the respective ratio of 7 : 9, how old	
	Α.	16 years	В.	18 years	
	C.	28 years	D.	24.5 years	
		<u>Test: Simp</u>	<u>olification</u>		
81.	lf <i>a - b :</i> <u>A.</u> 10 <u>C.</u> 15	= 3 and $a^2 + b^2 = 29$, find the value of <i>ab</i> .	<u>B.</u> 12 <u>D.</u> 18		
82.	The prie shirts. I <u>A.</u> Rs. 1 <u>C.</u> Rs. 4	ce of 2 sarees and 4 shirts is Rs. 1600. Wir f one wants to buy 12 shirts, how much sha 200 800	th the same all he have t <u>B.</u> Rs. 240(<u>D.</u> Cannot l	money one can buy 1 saree and 6 to pay ? 0 be determined	
83.	A sum o 1	of Rs. 1360 has been divided among A, B a	and C such	that A gets $\frac{2}{3}$ of what B gets and B gets	
<u>-</u>	4of wh <u>A.</u> Rs. 1 <u>C.</u> Rs. 2	at C gets. B's share is: 20 40	<u>B.</u> Rs. 160 <u>D.</u> Rs. 300		

84. A fires 5 shots to B's 3 but A kills only once in 3 shots while B kills once in 2 shots. When B has

missed 27 times, A has killed:	
A.30 birds	
<u>C.</u> 72 birds	

<u>B.</u>60 birds <u>D.</u>90 birds

85. A man has some hens and cows. If the number of heads be 48 and the number of feet equals 140, then the number of hens will be: <u>A.22</u> <u>C.</u>24 <u>B.23</u> <u>D.</u>26

- 86. What decimal of an hour is a second ?

 <u>A.</u>.0025
 <u>B.</u>.0256

 <u>C.</u>.00027
 <u>D.</u>.000126
- 87. If 2994 ÷ 14.5 = 172, then 29.94 ÷ 1.45 = ? <u>A.</u>0.172 <u>C.</u>17.2 <u>B.</u>1.72 <u>D.</u>172

88. The expression (11.98 x 11.98 + 11.98 x x + 0.02 x 0.02) will be a perfect square for *x* equal to: <u>A.</u>0.02 <u>C.</u>0.04 <u>D.</u>0.4

89. 3889 + 12.952 - ? = 3854.002 <u>A.</u>47.095 <u>C.</u>47.932

90. The price of commodity X increases by 40 paise every year, while the price of commodity Y increases by 15 paise every year. If in 2001, the price of commodity X was Rs. 4.20 and that of Y was Rs. 6.30, in which year commodity X will cost 40 paise more than the commodity Y?

 <u>A.</u>2010
 <u>B.</u>2011
 <u>C.</u>2012
 <u>D.</u>2013

B.47.752

D.47.95

Test : Number System

91. Which one of the following is not a prime number?

<u>A.</u> 31	<u>B.</u> 61
<u>C.</u> 71	<u>D.</u> 91
92. (112 x 5 ⁴) = ?	
<u>À.</u> 67000	<u>B.</u> 70000
<u>C.</u> 76500	<u>D.</u> 77200

93. It is being given that (2³² + 1) is completely divisible by a whole number. Which of the following numbers is completely divisible by this number?
 A.(2¹⁶ + 1)
 B.(2¹⁶ - 1)

$\underline{A}(z + 1)$	$\frac{D}{2}(z - 1)$
<u>C.(7 x 2^{23})</u>	<u>D.(2⁹⁶ + 1)</u>

94. What least number must be added to 1056, so that the sum is completely divisible by 23 ? <u>A.</u> 2 <u>B.</u>3 <u>D.</u>21

95. 1397 x 1397 = ?	
<u>A.</u> 1951609	<u>B.</u> 1981709
<u>C.</u> 18362619	<u>D.</u> 2031719

96. How many of the following numbers are divisible by 132 ? 264, 396, 462, 792, 968, 2178, 5184, 6336

<u>A.</u>	4	<u>B.</u>	5
C.	6	D.	7

- 97. (935421 x 625) = ? <u>A.</u>575648125 <u>B.</u>584638125 <u>C.</u>584649125 <u>D.</u>585628125
- 98. The largest 4 digit number exactly divisible by 88 is:

 <u>A.</u>9944
 <u>B.</u>9768

 <u>C.</u>9988
 <u>D.</u>8888
- 99. Which of the following is a prime number ?A.33C.93D.97
- 100. What is the unit digit in $\{(6374)^{1793} \times (625)^{317} \times (341^{491})\}?$ <u>A.</u>0 <u>B.</u>2 <u>D.</u>5