

#### MENTAL ABILITY (Paper – 1)

**Instruction:** In each of the following question no. 1 to 10, a number series is given with missing of one term. Choose the correct alternative that will continue the same pattern and replace the question mark (?) in the given series:

1.	2,3,5,9,17 (A)34	(B)31	(C)32	(D)33
2.	2,7,12,17,?,27 (A)18	(B)22	(C)19	(D)23
3.	11,121, 1331,? (A) 14641	(B) 14411	(C)14141	(D)14441
4.	656,432, 320, 264, 236,? (A) 229	(B)232	(C)222	(D)223
5.	3,19,97,391,?,2359 (A) 1177	(B) 1084	(C)1711	(D)1958
6.	2, 7, 24, 77, ? (A) 1335	(B)249	(C)283	(D)238
7.	11, 5, 13,1 0,15,15,17, ?, ? (A)5, 11	(B)20,19	(C)19,21	(D)19,20
8.	1331,2197,4913,6859,?,24 (A)13824	4389 (B)9261	(C)12167	(D)15625
9.	97, 86, 99, 88, 101, ?, ? (A)90, 103	(B)88,99	(C)121,108	(D)114,103
10.	77, 49, 36,18,? (A) 10	(B)12	(C)8	(D)16

**Instruction:** In question no. 11 to 20. Figure are given with question mark (?). Complete the figure replacing question mark (?) with suitable number logically.

11.	How	rta l			
	(A)12	(B)13	(C)14	(D)15	
12.	How many segments are there in the given figure?				-W
	(A)19	(B)18	(C)17	(D)16	
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13. How many triangles are				$\rightarrow$			
(A)26	e there in the given figure? (B)22	(C)18	(D)12				
14. How many triangles are	e there in the given figure?						
(A)28	(B)24	(C)14	(D)10	$\longrightarrow$			
15. How many triangles are	e there in the given figure?						
(A)29 (C)19		(B)23 (D)None of these					
16. How many squares are	there in the given figure?						
(A)16	(B)17	(C)12	(D)13				
17. How many squares are	there in the given figure?						
(A)11	(B)21	(C)24	(D)26				
Answer question no. 18 to 20	Answer question no. 18 to 20 on the basis of given figure.						
<ol> <li>How many line segmer</li> <li>(A)33</li> </ol>	ts are there in the given figu (B)13	ure? (C)36	(1	D)21			
<ul><li>19. How many triangles are</li><li>(A)12</li></ul>	e there in the given figure? (B)16	(C)22	(1	D)24			
20. How many squares are (A)5	there in the given figure? (B)6	(C)7	(1	D)8			
Instruction: In question no. 21 to 30 English alphabets are given digital number/code. Using them, find the correct number/code for given English word by choosing the correct option given below.							
21. B,F,J,N,R,V,Z,D,H,L,? (A)M	(B)O	(C)P	(1	D)T			

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22.	ABC,EFG,JKL,PQ? (A)R	(B)S	(C)T	(D)I	U
23.	DD, jjj, PP, vvv, B? (A)BB	(B)B	(C)C	(D)(	00
24.	AHL,?,CFJ,DEI (A)BGK	(B)BKG	(С)GКВ	(D)(	GBK
25.	R,A,M,E,S,H,H,S,E,M,A,? (A)Z	(B)Y	(C)R	(D) <sup>י</sup>	W
26.	A,C,F,J,O,?,B (A)I	(В)Н	(C)U	(D)I	D
27.	$\frac{A}{4}, \frac{D}{9}, \frac{H}{15}, \frac{M}{22}, ?$				
	(A) $\frac{R}{30}$	(B) $\frac{Q}{31}$	(C) $\frac{Q}{30}$	(D)	$\frac{S}{30}$
28.	LUTUPLUBTULUBT (A)BPUL	_PUBTUP (B)BUPL	(C)LBPU	(D)I	PBUL
29.	KM5,IP8, GS11, EV14,? (A)BY17	(B)BX17	(C)CY17	(D)(	GY18
30.	ABC, 6, EFG, 210, IJK, ? (A)1000	(B)190	(C)999	(D)	990

**Instruction:** Four figures are given in question no. 31 to 40. One of the figure differs from the rest. Find the figure which is differ from others.

31		M	$\mathbb{N}$	$\bigcirc$
	(A)	(B)	(C)	(D)
32	$\bigcirc$	$\langle B \rangle$	$\bigcirc$	Ρ
	(A)	(B)	(C)	(D)

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33	¥	भू	Ť	Ŷ
	(A)	(B)	(C)	(D)
34	$\blacksquare$	$\bigcirc$	$\bigcirc$	$\bigcirc$
	(A)	(B)	(C)	(D)
35	J	F	Μ	Α
	(A)	(B)	(C)	(D)
36		8	0-0-0	0
	(A)	(B)	(C)	(D)
37	占	凸		6
	(A)	(B)	(C)	(D)
38				
	(A)	(B)	(C)	(D)
39			$\backslash$	
	(A)	(B)	(C)	(D)
40	中	0		4
	(A)	(B)	(C)	(D)



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**Instruction:** In question no. 41 to 50, English alphabets are given digital number/code. Using them, find the correct digital number/code for given English word by Choosing the correct option given below.

41.	If CAT is written ATC i in sign language.	n sign language DEAR is wri	tten EARD in sign language.	Then, how sign will be written	
	(A)INGS	(B) NGSI	(C)SNGI	(D)SGIN	
42.	If 'no more food' is w will be written for 'that		uage and ' more then that' is	s written 'sa pa ka' then what	
	(A)sa (B)ka	(C)sa and pa	(D)incomplete inform	ation	
43.	If LAP is written KMZE	30Q in sign language then v	vhat will be written for NOTE	?	
	(A)MONPSUFD	(B) MONPUSDF	(C) MNOPSUDE	(D) MONPSUDF	
44.	If E=5 and EMPIRE=66	then what will be written	for REPAIR?		
	(A)66	(B)67	(C)12	(D)13	
45.	If SSC is written 1919	3 in sign language then wha	t will be written for BBC?		
	(A)113	(B)221	(C)223	(D)213	
46.	If character is written written for HIRALAL?	241612376 and CHILDREN	is written 24859670 in sign l	anguage, then what will be	
	(A)481551	(B)4861515	(C)4865151	(D)4681515	
47.	If APPLE is written ET	TPL in sign language then w	hat will be written for DELHI	?	
	(A)HIPLM	(B)ZAHDE	(C)HPILM	(D)CQMND	
48.	If DOCUMENTS is writ	ten VDPENRSMD then wha	t will be written for ADVERT	ISE?	
	(A)FWEBDSRHS	(B) FWEBSDRHS	(C) FWBESRDHS	(D)FWEBSFMLD	
49.	If A=1 and AND=19 th	en what is for BAT?			
	(A)22	(B)23	(C)21	(D)20	
50.	If MEAN is written \$5	7*, DOME is written 93\$5 t	hen what will be written for	MOAN?	
	(A)3\$7*	(B)\$73*	(C)\$37*	(D)\$*37	
<b>Instruction:</b> Four options are given in question no. 51 to 60. One of the options is differ from the rest. Find out that different option.					
51.	(A)Iron	(B)Silver	(C)Gold	(D)Brass	
52.	(A)Cotton-tea	(B)milk: card	(C)Grapes: Wine	(D)Bamboo: paper	
53.	(A)6023	(B)7202	(C)4025	(D)5061	
54.	(A)Writer	(B)Publisher	(C)Poet	(D)Novelist	
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55.	(A)Violin	(B)Sitar	(C)Flute	(D)Veena
56.	(A)Conclusion	(B)Research	(C)Analysis	(D)Investigatio
57.	(A)Pathology	(B)Biology	(C)Cardiology	(D)Radiology
58.	(A)Sports: Coach	(B)Drama: Director	(C)Advice: Adviser	(D)Student: Teacher
59.	(A)Plastic	(B)Nylon	(C)Silk	(D)Polythene
60.	(A)Bangkok	(B)Jindal	(C)Rangoon	(D)Kabul

Instruction: Find out the correct mirror image in question no. 61 to 65.

61	8	Q	Ø	ğ	Q
		(A)	(B)	(C)	(D)
62	•12	,12 <sup>•</sup>	<u>12</u>	12	12
		(A)	(B)	(C)	(D)
63		$\forall$	$\triangleright$		$\bigtriangledown$
		(A)	(B)	(C)	(D)
64	Å₿	$\vec{AB}_{x}$	$\overrightarrow{AB}$	ÅB	AB ×
		(A)	(B)	(C)	(D)
65		$\square$	$\bigtriangledown$	<	$\mathbb{A}$
		(A)	(B)	(C)	(D)



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**Instruction:** Find out the correct co-relation in question no. 66 to 70.

66.	India: Ashok Chakra, Franc (A)Eagle	ce: ? (B)Lily		(C)Rose		(D)Lotus
67.	London: Thames, Delhi: ? (A)Yamuna	(B)Godava	ri	(C)Krishna		(D)Kaveri
68.	India: CBI, Pakistan: ? (A)NDT	(B)ISI		(C)CBSE		(D)None
69		?	8			
70		?	(A)	(B)	(C)	(D)
			(A)	(B)	(C)	(D)
<b>Instr</b> 71.	uction: According to the que (1)Index (2)Contents (3)Tin (A)2,3,4,5,1		ers (5)Introduc		in question n	o. 71 to 75. (D)3,2,5,1,4
72.	(1)Embryo (2)Child (3)Bab (A)1,3,4,5,2	y (4)Middle (B)1,3,5,2,		(C)1,3,2,5,4		(D)1,3,4,2,5
73.	(1)Poverty (2)Population ( (A)2,4,1,5,3	3)death (4)L (B)1,2,3,4,		(5)Disease (C)2,3,4,5,1		(D)2,4,5,1,3
74.	(1)Accident (2)Judge (3)Do (A)1,3,4,2,5			(C)1,2,3,4,5		(D)1,2,5,4,3
75.	(1)Golden Jubilee (2)Silver (A)2,1,3,4,5	Jubilee (3)A (B)2,3,4,5,		Diamond Jubile (C)3,1,2,4,5	e (5)Centenai	y Celebrations (D)3,2,1,4,5
Instr	Instruction: Follow the instruction and choose the correct option in question no. 76 to 80					
76.	If x means + ,÷ means x, + (A)36					(D)-20
77.	lf ÷ means +, - means x ,x i	means ÷ and	l + means 0 the	en 15-8x6÷12+4	1?	
	(A)20	(в) 8 <mark>4</mark> 7		(c) $2\frac{2}{7}$		(D)28

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78.	If ÷ means +, - means	x,+ means – and x means -	then 20-16+4x3 ÷2?	
	(A)12	(B)20	(c) $5\frac{1}{11}$	(D)8
79.	If ÷ means x,+ means	÷,- means + and x means –	then 20-16+4x3÷2=?	
	(A)16	(B)30	(C)18	(D)24
80.	If A means - , B means	s÷, C means + , D means x t	then 15B3C 24A12D2=?	
	(A)3	(B)5	(C)7	(D)9
Instru 81.			ect answer from the option. ( l be the date of fourth Tuesda	
	(A)20	(B)22	(C)27	(D)29
82.	Today is Monday. Wh	ich will be the day after 65	Days?	
	(A)Wednesday	(B)Friday	(C)Saturday	(D)Sunday
83.	1 <sup>st</sup> January,2000 was	Saturday then which day w	vill be there on 1 <sup>st</sup> January,200	01.
	(A)Monday	(B)Tuesday	(C)Friday	(D)Saturday
84.	Which will be the Lea	ıp Year?		
	(A)2800	(B)1800	(C)2600	(D)300
85.	R is sister of M and M between R and D?	is brother of H. D is mothe	er of K, and K is brother of M t	then what is the relation
	(A)Sister		(B)Daughter	
	(C)Mother		(D)Incomplete Inform	ation
86.	K is brother of T, M is	mother of K, W is brother	of M then what is the relatior	between W and T?
	(A)maternal Uncle	(B)Grand Father	(C)Paternal Uncle	(D)None of these
87.		nger to a photo, and said th photo is Mohan Pointing?	nat " the only child of his mot	her is the only son of my
87.			nat " the only child of his mot (C)Paternal Cousin	her is the only son of my (D)Maternal Cousin
	father." Then whose p (A)Brother	ohoto is Mohan Pointing? (B)Himself		(D)Maternal Cousin
	father." Then whose p (A)Brother	ohoto is Mohan Pointing? (B)Himself	(C)Paternal Cousin	(D)Maternal Cousin
87. 88.	father." Then whose p (A)Brother What will be my relat	ohoto is Mohan Pointing? (B)Himself ion with the daughter of m	(C)Paternal Cousin y paternal aunt's father's son	(D)Maternal Cousin
	father." Then whose p (A)Brother What will be my relat (A) Paternal Aunt (C)Niece(Brother's Da	ohoto is Mohan Pointing? (B)Himself ion with the daughter of m ughter)	(C)Paternal Cousin y paternal aunt's father's son (B)Sister (D) Niece(Sister's Dau	(D)Maternal Cousin
88.	father." Then whose p (A)Brother What will be my relat (A) Paternal Aunt (C)Niece(Brother's Da X and Y are brothers.	ohoto is Mohan Pointing? (B)Himself ion with the daughter of m ughter)	(C)Paternal Cousin y paternal aunt's father's son (B)Sister (D) Niece(Sister's Dau	(D)Maternal Cousin 1? ghter)
88.	father." Then whose p (A)Brother What will be my relat (A) Paternal Aunt (C)Niece(Brother's Da X and Y are brothers. and R. (A)Wife	ohoto is Mohan Pointing? (B)Himself ion with the daughter of m ughter) R is father of Y. S is brother (B)Mother	(C)Paternal Cousin y paternal aunt's father's son (B)Sister (D) Niece(Sister's Dau r of T and maternal uncle of X	(D)Maternal Cousin ? ghter) Then what is the relation of T (D)Brother



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91.	If south east is north and of west?	north east is west and goes	ahead in same direction th	nen what will be the direction
	(A)South West	(B)North East	(C)South East	(D)North Weat
92.	the station, in which dire	ction the station will be fron	n the starting point of the t	
	(A)South East	(B)North west	(C)South	(D)South West
93.		the north. He walks directly 0 km. Then how far is he fro		urns left and walks 15km
	(A)10km	(B)5 km	(C)12km	(D)15 km
94.		rom his house. Then turns l alks 5 km. How far is he from		urns right an walks km. At
	(A)3km	(B)6km	(C)4 km	(D)5 km
95.	Nitin walks 14 m west the his starting point?	en he goes 3 km south. After	wards he walks 10 km tow	vards east. How far is he from
	(A)5 km	(B)12 km	(C)15 km	(D)10 Km
96.	Proportion ratio of the ag both?	e of A & B is 3:2 today. Afte	r 5 years it will be 8:7. Wha	at is the sum of the age og
	(A)8 years	(B)5 years	(C)10 years	(D)none of these
97.	Sum of lucky & Suman ag difference between them	e is 35 years today. Proport now?	ion ratio will be 4:5 after 5	years. What is the age
	(A)3 years	(B)6 years	(C)5 years	(D)4 years
98.	Father's age is 8 years plu 7 years then what is the a	-	er's age is 3 years more tha	n father's age. If son's age is
	(A)26 year	(B)29 year	(C)32 year	(D)35 year
99.	There are 3 red 5 yellow the probability of taken	•	f 3 balls are randomly take	n from the box. Then what is
	(A)120	(B)220	(C)320	(D)420
100.	If 16 persons shake hand	s in a party then what will be	e the total number of shaki	ing hands be combined?
200.	(A)120	(B)256	(C)110	(D)100
		****	*	