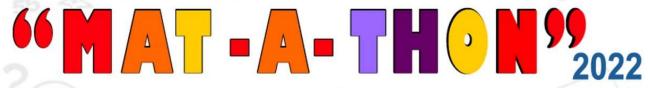


Udaipur's Biggest Mental Ability Test



LASS -VII

Time: 90 Min. Date: 21-08-2022 Max. Marks: 60

GENERAL INSTRUCTIONS

TEST PATTERN					
Time	Total No. of Questions	Subject/Question Segregation	Type Total Marks Correct Nega		
90 Minutes	1 - 60	Mental Ability (1-60)	Objective Question	1 Mark	0.25 Mark

- A student has to write his/her answers in the OMR sheet by darkening the appropriate bubble with the help Of Ball pen only as the correct answer(s) of the question attempted.
- 2. Blank papers, clip boards, log tables, slide rule, calculators, mobile or any other electronic gadgets in any form is not allowed.
- 3. Write your Name & Roll No. in the space provided in the bottom of this booklet.
- Before answering the paper, fill up the required details in the blank space provided in the OMR sheet.
- In case of any dispute, the answer sheet available with the institute shall be final.
- In case of tie, younger student will get top rank.

NAME OF THE CANDIDATE :	ROLL NO. :
I have read all the instructions	I have verified the identity, name and roll number
and shall abide by them	of the candidate.

THE RADIANT ACADEMY

Corporate Office: 7-8, Samta Nagar, Hiran Magri, Sector - 3, Udaipur (Rajasthan) - 313001

Mob.: +91-9001053989, 9461172001 | Email: info@theradiantacademy.com | Website: www.theradiantacademy.com







MENTAL ABILITY

Straight Objective Type

This section contains 60 questions. Each question has 4 choices (A), (B), (C) and (D) for its answer, out of which **ONLY ONE** is correct.

Directions: (1) Which sequence of letters when placed at the blanks one after the other will complete the given letter series?

- 1. bca_ca__ab_ a
 - (A) bbcc
- (B) bcbc
- (C) ccbb
- (D) cbcb

2. Find the missing number

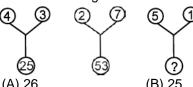






- (B) 18
- (C) 9
- (D) 19
- 3. If any two letters in the word PRISON have as many letters between them in the word as there are in the English alphabet, they form an alpha-pair. How many such alpha-pairs are there in the word PRISON?
 - (A) 4
- (B) 1
- (C) 2
- (D) 3
- If it is possible to make a meaningful word with the first, the fourth, the seventh and the eleventh letters of 4. the word INTERPRETATION, which of the following will be the third letter of that word? If more than one such word can be made, give **M** as the answer and if no such word can be formed, give **X** as the answer.
 - (A) T
- (B) E
- (C) X
- 5. Anil and Sunil are ranked seventh and eleventh respectively from the top in a class of 31 students. What will be their respective ranks from the bottom in the class?
 - (A) 20th and 24th
- (B) 24th and 20th
- (C) 25th and 21st
- (D) 26th and 22nd

6. Find the missing number



- (B) 25
- (C) 27
- (D) 30
- 7. In the alphabet series which letter is midway between 22nd letter from the left and 21st letter from the right?
 - (A) L
- (B) M
- (C) O
- (D) None of these
- 8. Daniel is facing North. He turns 45 degrees in the clockwise direction and then turns 90 degrees in the anticlockwise direction. Finally, he turns back. Which direction is he facing now?
 - (A) South-East
- (B) South-West
- (C) North-East
- (D) North-West

9. Find the missing number

	13	8	10
	16	22	31
ı	21	?	9

- (A) 20
- (B) 21
- (C) 22
- (D) 23
- In the following series of numbers, find out how many times, 1, 3 and 7 have appeared together, 7 10. being in the middle and 1 and 3 on either side of 7?

2973173771331738571377173906

- (A) One
- (B) Two
- (C) Three
- (D) Four



11. If in any code language CLERK is coded as AHYJA how is JOB coded in that language?

(A) HKW

(B) HKV

(C) HKU

(D) None

12. If x stands for 'addition', < stands for 'substraction', + stands for 'division', > stands for 'multiplication', stands for 'equal to', , stands for 'greater than' and = stands for 'less than', state which of the following is

(A) $3 \times 2 < 4 \div 16 > 2 + 4$

(B) $5 > 2 + 2 = 10 < 4 \times 2$

(C) $3 \times 4 > 2 - 9 + 3 < 3$

(D) $5 \times 3 < 7 \div 8 + 4 \times 1$

In a code language 157 means mother always lovable, 619 means always happy future and 952 13. means mother very happy then what does the word future stand for in the same language?

(A)9

(B) 6

(C) 1

(D) Can not be determined

Find the missing number 14, 15, 12, 16, 9, 18, 4, 21, ? 14.

(A) 2

(B) 3

(C) - 3

(D) - 5

15. 2, 5, 11, 20, 30, 47, 65 Find the wrong term

(B) 20

(C) 30

(D) 47

16. Find the missing letter A, Y, D, W, G, U, J, ?

(A) R

(B) T

(C) S

(D) P

Correct the following equations by interchanging two signs. 17.

 $16 - 21 \div 7 \times 6 + 3 = 31$

 $(A) - and \div$

 $(B) + and \times$

(C) ÷ and +

(D) \div and \times

Directions: (18) Which sequence of letters when placed at the blanks one after the other will complete the given letter series?

18. bc _ b _ c _ b _ ccb

(A) cbcb

(B) bbcb

(C) cbbc

(D) bcbc

Find the wrong term ECA, JHF, OMK, TQP, YWU 19.

(A) ECA

(B) JHF

(C) TQP

(D) YWU

20. Find the missing term

3C	27D	9E
71	21K	3M
4D	?	7J

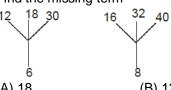
(A) 11E

(B) 28G

(C) 35I

(D) 48F

21. Find the missing term



(A) 18

(B) 12



(C)9

(D) 6

22. $(48 - 12) \div 4 + 6 \div 2 \times 3 = ?$

(B) 4

(C)2

(D) -1

23. A man starts from his house walks 2 km. towards North. He turns right and walk 3km. Then he turn left and travels 3 km. What is the direction he is facing?

(A) East

(B) West

(C) North

(D) South

24. If x means \div , - means x, \div means + and + means -, then (3 - 15 \div 19) x 8 + 6 = ?

(A) 8

(B) 4

(C) 2

(D) -1

Directions: (25 to 26) In an imaginary language, the digits 0, 1, 2, 3, 4, 5, 6, 7,8 and 9 are substituted by a, b, c, d, e, f, g, h, i, and j. And 10 is written as ba:					
25.	$(cd + ef) \times bc$ is equal (A) 684	to (B) 816	(C) 916	(D) 1564	
26.	$dc \times f - (bf - d) \times dis$ (A) bce	s equal to (B) bcf	(C) abe	(D) abb	
27.	If $\Box \Delta = 7$, $\triangle = 27$ (A) 690	, \triangle = 81 then \triangle (B) 689	C) 780	(D) 789	
28.	The time on the watch i does the hour hand poi (A) South-West		minute-hand points to No	orth-East, in which direction (D) North-East	
29.	If the following scrambled letters are rearranged to form the name of a city then which letter will appear in the middle				
	WILGARO (A) R	(B) G	(C) L	(D) A	
30.	Two person are facing be the right hand of the		f the first person is towar	ds the west. In which direction will	
	(A) South	(B) East	(C) North	(D) West	
Directi	Directions : (31) A group of letters is given which are numbered 1, 2, 3, 4, 5 and 6. Below are given four alternatives containing combinations of these numbers. Select that combination of numbers so that letters arranged accordingly, form a meaningful word.				
31.	R T A O U H 1 2 3 4 5 6				
	(A) 1, 3, 4, 5, 6, 2	(B) 2, 3, 6, 4, 5, 1	(C) 6, 3, 2, 4, 5, 1	(D) 3, 5, 2, 6, 4, 1	
32.	If the first half of the alp 19th letter from your rig		the reverse order, which	n of the following will be the	
	(A) H	(B) F	(C) D	(D) E	
33.	How many A are in the DACBACDACBACBACBACBACBACBACBACBACBACBACBACBACBA		does not has B just before	ore it but has C just after it?	
	(A) 3	(B) 4	(C) 5	(D) 6	
34.	. If the animals which can walk are called swimmers , animals which can crawl are called flying , those which live in water are called snakes , and those which fly in the sky are called hunters , then what will a lizard be called?				
	(A) Swimmer	(B) Snake	(C) Hunter	(D) Flying	
35.	If D = 4 and COVER = (A) 49	63, then BASIS = ? (B) 50	(C) 54	(D) 55	
36.	Find the missing number (A) 62	er. 2, 8, 18, 32, ? (B) 60	(C) 50	(D) 46	
27					
37.	Find the wrong term (A) 6	2, 6, 10, 20, 30, 42, 56 (B) 10	(C) 20	(D) 30	



complete the given letter series? 39. ac _ ca _ aca _ a _ a _ (A) cacaca (B) aaaccc (C) acacac (D) cacccc aab_aaa_bba_ 40. (A) baa (B) a b b (C) b a b (D) a a b 41. m l m l m l m l m(A) Immm (B) ImIm (C) Imml (D) mllm 42. Find the missing number 6 (A) 32 (B) 22 (D) 27 (C) 18 43. Find the missing number (B) 45 (C) 37 (D) 35 If South-East becomes North; and North-East becomes West; then West becomes 44. (A) North – East (B) South - East (C) North – West (D) South - West Find the missing number 2, 3, 5, 7, 11, ?, 17 45. (A) 14 (B) 13 (C) 10 (D) 12 46. 'A' travelled Westwards 5 km, turned left and travelled 3 km, turned right and travelled 9 km. He then travelled North 3 km. How far was 'A' from the starting point now? (A) 3 km (B) 5 km (C) 10 km (D) 14 km 47. Choose the one word which can be formed from the letters of the given word. RATIONALISATION (A) NATIONALISTIC (B) NATIONALIST (C) SITUATION (D) REALISATION 48. Manisha ranked sixteenth from the top and twenty ninth from the bottom among those who passed an examination. Six students did not participate in the competition and five failed in it. How many students were there in the class? (A) 40 (C) 50 (B) 44 (D) 55 49. If knr lin hcn stands for everything is fine nso ons lin stands for there is something and ksa nso wno stands for ask something now, What would there stand for? (A) lin (B) nso (C) ons (D) kse 50. How many pairs of successive numbers have a difference of 2 in the following sequence? 6, 4, 1, 2, 2, 8, 7, 4, 2, 7, 5, 3, 8, 6, 2, 1, 7, 0, 4, 1, 3, 2, 8, 6 (C) 6 (D) 7 (A) 4 (B) 5 51. Abu walked 20 metre towards South. Then he turned to his left and walked 25 metre. He then turned to his left and walked 20 metre. He again turned to his right and walked 10 metre. At what distance is he from the starting point and in which direction? (A) 35 metre, East (B) 35 metre, North (C) 40 metre, East (D) 60 metre, East In a coded language TAKE = 1790, PLOT = 5321 then code for PLATE will be -52. (B) 53071 (A) 53701 (C) 35710 (D) 53710

Arrange the words in the alphabetical order and tick the one that comes second.

(C) Ecstasy

(D) Eager

(B) Emergency

Directions: (39 to 41) Which sequence of letters when placed at the blanks one after the other will



(A) Explosion

53.

54.	Find the missing term (A) 11S2	17Z5, 15X4, 13V3, ?, 9F (B) 11T2	R1 (C) 11U2	(D) 11T3
55.	In a coded language Shas-	HIFT is written as UFKDV	, Then COVET may be	written in coded language
	(A) EMXCV	(B) FNYDU	(C) EXCUV	(D) EQUDS
56.	Find the missing number (A) 371	er 16, 33, 67, 135, ? (B) 175	(C) 271	(D) 287
57.	Find the missing term (A) VD	AD, EI, JO, PV, ? (B) WC	(C) WD	(D) VE
58.	Find the wrong term (A) FQW	EPV, FQW, GRX, HTY, (B) GRX	ITZ (C) HTY	(D) ITZ
59.	Find the wrong term (A) ZLA	ZLA, BMY, CNW, FOU, (B) BMY	HPS (C) FOU	(D) CNW
60.	Ram travels 7 km Eastwards, then he turns right and travels 3 km and further turns right ag travels 11 km. How far is he from the starting point?			rther turns right again and
	(A) 5	(B) 14	(C) 21	(D) 23