

BIGBANG

EDGE TEST

SAMPLE PAPER

For Students presently in Class VI

Paper 1 – MENTAL ABILITY

Duration : 105 minutes

Paper Code: 67-1

Maximum Marks : 105

Please read the instructions and guidelines carefully :

Important Note : Please ensure to accurately input the details for the Question Paper Code as indicated at the top of this sheet (Side 2) into the corresponding columns / fields on the OMR sheet before proceeding with the paper. Incorrectly filled information regarding the class or paper may result in inaccurate outcomes or results.

"This paper has been scientifically designed to evaluate your potential – manifested and hidden for the target examinations mentioned in various sections of the paper. Thus, your adherence to the instructions is critical in the evaluation of the same"

1. This Question paper consists of 2 sections.
2. Student should devote allotted time for each section. If a section is easy, then it is easy for everyone & was meant to be like that with a goal in mind. Do not switch over to another section if you find the section to be easy. If a section is tough, then it is tough for everyone. You are advised to spend 45 Minutes on Section-I and 60 Minutes on Section-II. Dedicating the required time to finish each section successfully is essential. Opening the next section before completing the allotted time for the preceding section is not permitted. This adherence is crucial for assessing your true potential, as each section is meticulously crafted to evaluate your potential for the corresponding competitive examinations.
3. Candidate should open the seal of Section-II only after completing 45 minutes of Section-I.
4. Sheets will be given to each candidate for rough work. Candidate must fill all details on the rough sheet and submit the same to invigilator along with OMR sheet. Candidate must mention the Question No. while doing the rough work in the sheet.
5. Please note candidates are not allowed to bring any prohibited items into the exam hall such as electronic devices, mobile phones, smart watch, earphones, calculators, books, notes, formula sheets, and bags.
6. Marking scheme is given in table below:

Section	Subject	Question no.	Marking Scheme for each question	
			Correct answer	Wrong answer
SECTION – I (NTSE) Time Allotted: 45 Minutes	MENTAL ABILITY	1 to 15	+3	0
SECTION – II High Order Thinking Skill (Olympiad & JEE Main) Time Allotted: 60 Minutes	MENTAL ABILITY	16 to 35	+3	0

Section – I

Time: 45 Minutes

MENTAL ABILITY

*This section contains 6 Multiple Choice Questions number 1 to 6. Each question has 4 choices (A), (B), (C) and (D), out of which **ONLY ONE** is correct.*

- In the following question given below is a sequence in which some letters are missing. From the choices, select the choice that gives the letters that can fill the blanks in the given sequence.
_ stt _ tt _ tts _
(A) tsst (B) sstt
(C) ttst (D) tsts
- If in a certain code language, BROWSER is coded as RESWORB, then how TEACHER be coded in the same language?
(A) REHCEAT (B) REHCAET
(C) REHCTEA (D) AHRCTEA
- In a certain code, BAKE is written as 5796 and FIRE is written as 3146. How is FEAR written in that code?
(A) 3564 (B) 3674
(C) 3574 (D) 3654
- If \div means $+$, $-$ mean \div , \times means $-$ and $+$ means \times , then $\frac{(36 \times 4) - 8 \times 4}{4 + 8 \times 2 + 16 \div 1} = ?$
(A) 0 (B) 8
(C) 12 (D) 24
- You go North, turn right, then right again and then go to the left. In which direction are you now?
(A) North (B) South
(C) East (D) West
- Shyam ranks from top of the row is 25th and Mohan's ranks 25th from bottom of row if the total number of students in this row 40 then how many students in between Shyam and Mohan?
(A) 10 (B) 8
(C) 7 (D) Can't be determined

*This section contains **THREE (03)** comprehensions. Based on each comprehension, there are **THREE (03)** questions of **Multiple Choice Questions**. Each question has 4 choices (A), (B), (C) and (D), out of which **ONLY ONE** is correct.*

Comprehension for Q. No. 7 to 9

In each of the following questions a number series is given with one of the term missing. Choose the correct alternative that will continue the same pattern and replace the question mark (?) in the given series.

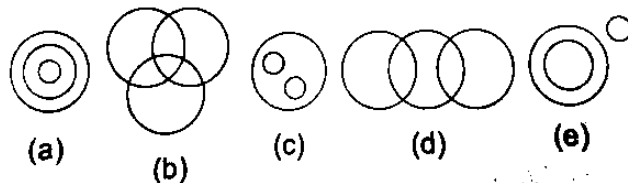
- 97, 90, 76, 55, ?
(A) 28 (B) 27
(C) 26 (D) 25
- 0, 2, 8, 14, ?, 34
(A) 20 (B) 23
(C) 24 (D) 25

9. BZA, DYC, FXE, ?, JVI
 (A) HUG
 (C) UHG

- (B) HWG
 (D) WHG

Comprehension for Q. No. 10 to 12

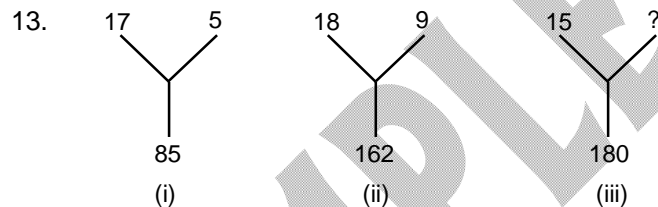
Of the four alternatives in each of the following questions, three alternatives are such that the three words in each are related among themselves in one of the five ways represented by (a), (b), (c), (d) and (e) below while none of these relationships is applicable to the remaining alternative. That is your answer. Choose that one



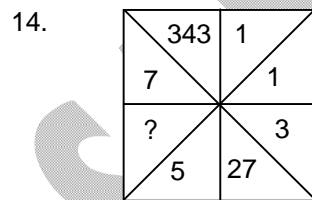
10. (A) Animal, Mammal, Cow
 (C) Colour, Red, Blue
 (B) Colour, Cloth, Merchant
 (D) Male, Horse, Mare
11. (A) Bed, Ward, Hospital
 (C) Copper, Zinc, Iron
 (B) Boy, Girl, Player
 (D) Book, Page, Paragraph
12. (A) Hen, Cat, Dog
 (C) Bed, Nurse, Ward
 (B) Body, Ear, Mouth
 (D) Tiger, Animal, Carnivorous

Comprehension for Q. No. 13 to 15

Which number will replace the question mark?



- (i)
 (A) 12
 (C) 20
 (B) 18
 (D) 25



14. (A) 125
 (C) 25
 (B) 27
 (D) 23

15. 5 6 5
 8 9 7
 10 7 ?
 400 378 315


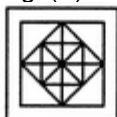
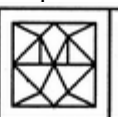
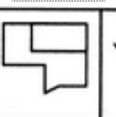

- (A) 7
 (C) 9
 (B) 5
 (D) 12

Section – II

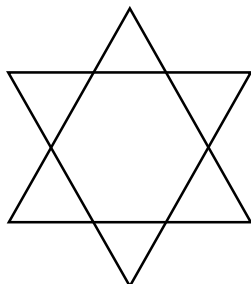
Time: 60 Minutes

MENTAL ABILITY

This section contains 11 Multiple Choice Questions number 16 to 26. Each question has 4 choices (A), (B), (C) and (D), out of which ONLY ONE is correct.

16. If A is son of Q, Q and Y are sisters, Y's mother is Z, P is son of Z, then which one is definitely true?
 (A) A and P are cousin (B) A is uncle of P
 (C) A is maternal uncle of P (D) None of these
17. Factory : Production :: School : ?
 (A) Teacher (B) Education
 (C) Building (D) Discipline
18. In each of the following question, one term in the number series is wrong. Find out the wrong term.
 196, 169, 144, 121, 101
 (A) 101 (B) 121
 (C) 169 (D) 196
19. In each of the following question, you are given a figure (X) followed by four alternative figures (1), (2), (3) and (4) such that figure (X) is embedded in one of them. Trace out the alternative figure which contains fig. (X) as its part. Find out the alternative figure which contains figure (X) as its part.
- 




- (X) (1) (2) (3) (4)
- (A) 1 (B) 2
 (C) 3 (D) 4
20. Satish walks 8 km south, turns right and walks 6 km and then turns to north-east and walks 10 km. How far is he from the starting point?
 (A) 8 km (B) 10 km
 (C) 12 km (D) At starting point
21. If white is called blue, blue is called red, red is called yellow, yellow is called green, green is called black, black is called violet and violet is called orange, what would be the colour of human blood?
 (A) Red (B) Green
 (C) Yellow (D) Violet
22. One Evening before sunset two friends Arun and Amit were talking to each other face to face. If Arun's shadow was exactly to his right side, which direction was Amit facing ?
 (A) North (B) South
 (C) West (D) East
23. A is B's brother C is D's Father E is B's mothers. A and D are brothers. How is E related to C ?
 (A) Sister (B) Sister is Law
 (C) Niece (D) Wife

24. In a certain code, 15789 is written as XTZAL and 2346 is written as NPSU. How is 23549 written in that code ?
 (A) NPTUL (B) PNTSL
 (C) NPTSL (D) NBTSL
25. In each of the following question, a word has been given, following by four other words. One of which can be formed by using the letters from the given word. Find that word.
 REMEMBERING
 (A) NEGRO (B) AGREE
 (C) RAIN (D) GREEN
26. Find the number of triangles



(A) 7
 (C) 9

(B) 8
 (D) 10

*This section contains **THREE (03)** comprehensions. Based on each comprehension, there are **THREE (03)** questions of **Multiple Choice Questions**. Each question has 4 choices (A), (B), (C) and (D), out of which **ONLY ONE** is correct.*

Comprehension for Q. No. 27 to 29

Study the following arrangement carefully and answer the question given below:

- (i) A, B, C, D and E, five men are sitting in a line facing to South – while M, N, O, P and Q are five ladies sitting in a second line parallel to the first line and are facing to North.
 (ii) B who is just next to the left of D, is opposite to Q.
 (iii) C and N are diagonally opposite to each other.
 (iv) E is opposite to O who is just to the right of M.
 (v) P who is just to the left of Q, is opposite to D.
 (vi) M is at one end of the line.

27. Who is sitting third to the right of O?
 (A) Q (B) N
 (C) M (D) Data inadequate
28. If B shifts to the place of E, E shifts to the place of Q, and Q shifts to the place of B, then who will be the second to the left of the person opposite of O?
 (A) Q (B) P
 (C) E (D) B
29. Which of the following pair is diagonally opposite to each other?
 (A) EQ (B) BO
 (C) AN (D) AM

Comprehension-2 for Q. No. 30 to 32

Study the following arrangement carefully and answer the question given below:

- (i) $A + B$ means A is the daughter of B.
- (ii) $A - B$ means A is the husband of B.
- (iii) $A \times B$ means A is the brother of B.

30. If $P + Q - R$, then which of the following is true?
 (A) R is the mother of P (B) P is the uncle of R
 (C) P is the son of R (D) P is the father of R
31. If $P \times Q + R$, then which of the following is true?
 (A) P is the brother of R (B) P is the daughter of R
 (C) P is the cousin of R (D) P is the son of R
32. If $P + Q \times R$, then which of the following is true?
 (A) P is the niece of R (B) P is the daughter of R
 (C) P is the cousin of R (D) P is the daughter-in-law of R

Comprehension-3 for Q. No. 33 to 35

Study the following arrangement carefully and answer the question given below:

E % 3 R 5 # A 6 B I J @ 2 9 H U 4 © M 1 * F 7 \$ W 8 P N D

33. What will come at the place of question mark (?) in the following series based on above arrangement?
 35A, I@9, 4M*, ?
 (A) 7WP (B) 7W8
 (C) \$8N (D) FWP
34. Which of the following will be Eighth from right to the Twentieth from right end in the above arrangement?
 (A) © (B) @
 (C) 3 (D) P
35. How many such consonant are there in the above arrangement each of which is immediately preceded by a letter and immediately followed by a symbol?
 (A) None (B) One
 (C) Two (D) Three

BIGBANG

EDGE TEST

SAMPLE PAPER

For Students presently in Class VI

Paper 1 – MENTAL ABILITY

Paper Code: 67-1

ANSWER KEYS

- | | | | |
|-------|-------|-------|-------|
| 1. A | 2. B | 3. B | 4. A |
| 5. C | 6. B | 7. B | 8. C |
| 9. B | 10. B | 11. C | 12. A |
| 13. A | 14. A | 15. C | 16. D |
| 17. B | 18. A | 19. D | 20. D |
| 21. C | 22. B | 23. D | 24. C |
| 25. D | 26. B | 27. B | 28. A |
| 29. D | 30. A | 31. D | 32. A |
| 33. C | 34. A | 35. B | |