

NTSE Stage - 1 / 2017-18 Gujarat State





















PART-1

MAT

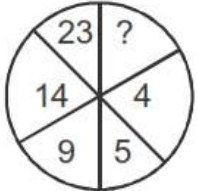
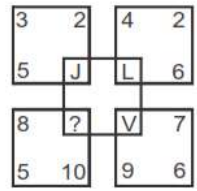
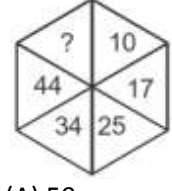
Instruction: In each of the following question no.1 to 10, a number series is given with missing of one term. Choose the correct alternative that will continue the same pattern and replace the question marks (?) in the given series.

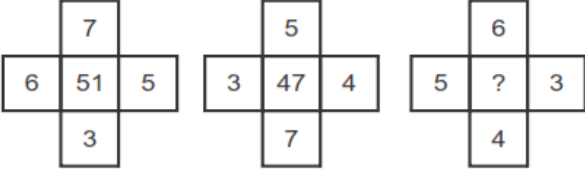
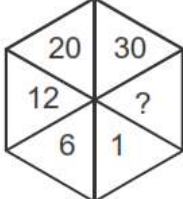
1. 12, 24, 37, 51, 66, ?
(a) 72 (b) 82 (c) 84 (d) 74
2. 4, 9, 20, 43, ?
(a) 90 (b) 54 (c) 66 (d) 80
3. 6, 215, 7, 342, 8, ?
(a) 512 (b) 216 (c) 343 (d) 511
4. 28, 33, 40, 51, 64, ?
(a) 128 (b) 32 (c) 81 (d) 66
5. 200, 64, 100, 32, 50, 16, ?
(a) 25 (b) 35 (c) 8 (d) 45
6. 122, 170, 226, 290?
(A) 289 (b) 362 (c) 290 (d) 325
7. 730, 511, 344, 215?
(a) 125 (b) 25 (c) 36 (d) 126
8. 2.5, 5, 7.5, ?, 12.5
(a) 10 (b) 22.5 (c) 100 (d) 150
9. 1, 2, 6, 21, ?
(a) 89 (b) 84 (c) 440 (d) 445
10. 10, 17, 26, ?, 50, 65
(a) 37 (b) 47 (c) 33 (d) 31

Instruction: For figures are given in question no.11 to 15. One of the figure differs from the rest. Find the figure which is differ from others

11.	 (A)	 (B)	 (C)	 (D)
12.	 (A)	 (B)	 (C)	 (D)
13.	 (A)	 (B)	 (C)	 (D)
14.	 (A)	 (B)	 (C)	 (D)
15.	 (A)	 (B)	 (C)	 (D)

Instruction: In question no. 16 to 20 figures are given with question mark(?). Complete the figure replacing question mark(?) with suitable number logically.

16.	 <p>(A) 27 (B) 37 (c) 25 (D) 9</p>
17.	 <p>(A) W (B) X (C) Y (D) Z</p>
18.	 <p>(A) 50 (B) 55 (C) 52 (D) 65</p>

19.	 <p>(A) 43 (B) 49 (C) 39 (D) 45</p>
20.	 <p>(A)42 (B)45 (C) 52 (D) 32</p>

Instruction: In question no. 21 to 25, 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.

21. If GOOD = 715154 the NEWS = ?
 (A) 1452391 (B) 1425391 (C) 1425913 (D) 1425319
22. If GOAT = 43 then COW = __
 (A) 40 (B) 41 (C) 51 (D) 50
23. If CAMEL = XZNVO then BIJAL = ?
 (A) YPOYO (B) YRPQO (C) YRQZO (D) YRZPO
24. If WINDOW = 987659 and TREE = 3422 then WINTER = ?
 (a) 987342 (B) 987432 (C) 987423 (d) 987324
25. If MANJU = 13-1-14-10-21 then RITJU=?
 (A) 17-9-19-10-21 (B) 18-9-19-10-21 (C) 18-9-20-10-21 (D) 17-9-20-10-21

Instruction: According to the question, choose the correct option in question no. 26to 50.

26. Find the correct co-related word
 (A) Wall : House (B) Kilogram :Foot (C) Kilometer : Foot (D) Millilitre : Litre
27. Find the correct co-related number 5 : 36 :: ?
 (A) 48 (B)50 (C)49 (D) 56

28. Find the correct co-related character: E : V :: I : ?
 (A) Q (B) R (C) S (D) T
29. If + means \times , - means \div , \times means +, and \div means - are considered then find the value of $10 \times 18 - 9 + 3 \div 1$
 (A) 15 (B) 20 (C) 168 (D) 180
30. If + means \times , - means \div , \times means +, and \div means - are considered then find the value of $(8-6) + (7 \times 4) \div 4$
 (A) 46 (B) 42 (C) -38 (D) 38
31. Which of the four option given below shows the correct sequence of the given words?
 (1) service (Job) (2) Examination (3) Learning (4) Admission (5) Result
 (A) 1,4,2,3,5 (b)4,3,2,5,1 (c) 5,4,3,2,1 (d)2,3,5,1,4
32. Show the correct sequence of the given four option in ascending order
 (1) Prime minister (2) Chief Minister (3) Mayor (4) President (5) Sarpanch
 (A)5,3,2,4,1 (b)5,2,3,4,1 (C)5,3,2,1,4 (D) 5,3,2,1,4
33. What will come in place of question mark (?)
 if $3 * 6 = 18$, $4 * 7 = 22$, and $9 * 1 = 20$ then $5 * 2 = ?$
 (A) 14 (B) 7 (C) 10 (D) 3
34. If $4 \times 5 = 1625$, $3 \times 8 = 964$, $2 \times 6 = 436$ then $1 \times 9 = ?$
 (A) 36 (B) 150 (C) 181 (D) 218
35. What was the day before yesterday if Thursday was the day after tomorrow?
 (A) Saturday (B) Sunday (C) Monday (D) Friday
36. On 14th January 2014 is Saturday, the which day on 15th August 2014?
 (A) Tuesday (B) Thursday (C) Friday (D) Saturday
37. A statement and four predictions are given in the following question. Find a fair prediction. Some leader's like Nagesh are corrupt.
 (A) Nagesh is not corrupt. (C) Some time Nagesh is not corrupt
 (B) Leader are corrupt (D) Some leaders are corrupt

38. Among M, T, R and P, M is older than only P, T is older than R. Then who is older to all?
 (A) T (b) R (c) T or R (D) Incomplete information
39. Amrita is older than Namarat. Namrata is younger than Anjali. Who is oldest of all?
 (A) Anjali (B) Amrita (C) Gitanjali (D) Namarata
40. 'A' and 'B' are both a sister. Their father is 'C' and 'D' is sister of 'A', 'E' is mother of 'C' and 'D'. Then what will be 'B' of 'E'?
 (a) Grand daughter (b) Great grand child (Daughter) (c) Aunt (d) Wife
41. A person was watching a photo. He said : 'I had neither brother nor sister but this person's father is the only son of my grandfather'. The whose photo was that person was watching?
 (a) His son (b) His father (C) Himself (D) His Uncle
42. Suresh and Mahesh were in opposite direction of each other in the evening on the Gujarat University ground. The shadow of Mahesh appear on his right side. Then in which direction Suresh's mouth will be?
 (A) East (B) South (C) West (D) North
43. Manish's number is 14th from right side in queue of 40 students. Then from the left side at which number will his place be?
 (a) 27th (B) 28th (C) 29th (d) 30th
44. "Turn back-see front". How many degree angle will be formed by a man in this situation?
 (a) 90° (b) 18° (c) 60° (d) 270°
45. Which number is wrong in following series? 41,41,42,44,48,51,56
 (A) 48 (B) 51 (c) 56 (D)41
46. 643145321243174312931
 In the above series, how many 3's are there such that 1 comes after and 4 comes before?
 (A) 5 (B) 4 (C) 3 (D) 2
47. Which word can be made with the character of the given words. "INTERNATIONAL"
 (A) ANNUAL (B) LAMINATION (C) TERMINATE (D) INTERNAL

48. In the following options three are similar group but one is different from them. Find that different option.
- (A) 24-36 (B) 44-56 (C) 39-45 (D) 66-78
49. In the following options three are similar group but one is different from them. Find that different option.
- (A) QRS (B) XYZ (C) STU (D) MLN
50. Richa walk 4 km in the direction of sun of sunset time. Then she turns a right and walks 1km. She turns left and walks 1km then she turns left and walk 1km. Now how many km would she away from her origin?
- (a) 3 (B) 4 (c) 5 (d) 6