

NTSE STAG 1, 2016-17

GUJARAT STATE

MAT

1. 21, 23, 27, 33, _____?
(A)37 (B)41 (C)43 (D)49
2. 1, 6, 15, 45, 66, 91
(A) 25 (B)26 (C)27 (D)28
3. 2, 6, 12, _____30
(A) 18 (B)24 (C)20 (D)26
4. 107, 97, 82, 62, _____?
(A)52 (B)42 (C)47 (D)37
5. 2,1,4,3,6,5,8, _____
(A)9 (B)10 (C)7 (D)8
6. 8,3,11,14,25, _____
(A)50 (B)39 (C)29 (D)11
7. 8,16,28,44, _____
(A) 62 (B)64 (C)66 (D)60
8. 2,8,18,32,50, _____
(A) 64 (B) 72 (C) 70 (D) 68
9. 1,3,7,15,31, _____
(A) 37 (B) 36 (C) 73 (D) 63
10. 0,3,8,15,24, _____48
(A) 41 (B) 29 (C) 37 (D) 35

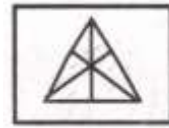
11.



(A)



(B)



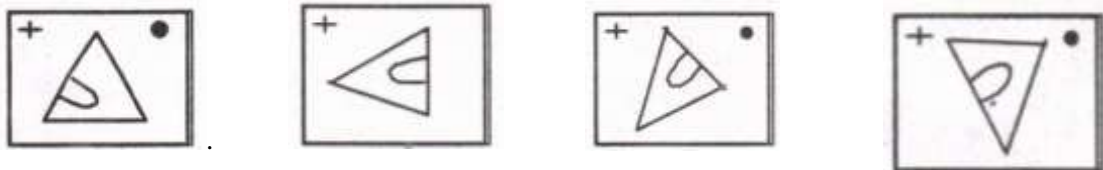
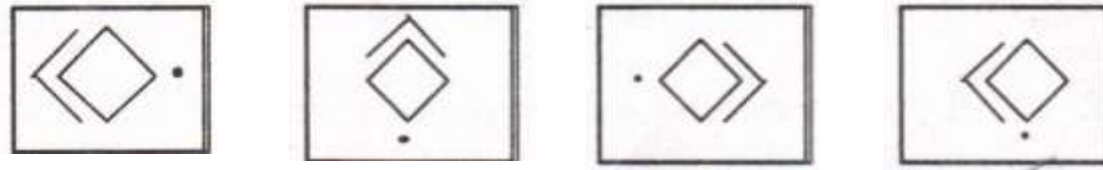

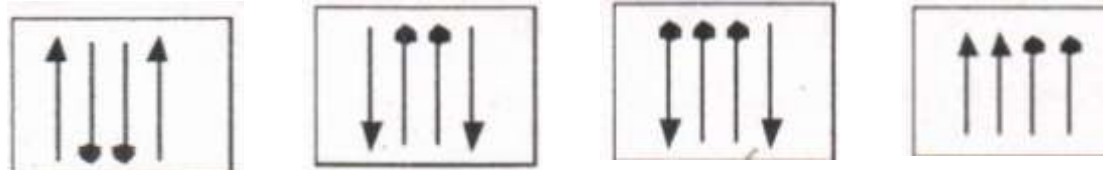
(C)



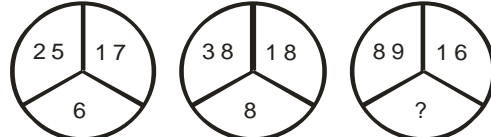
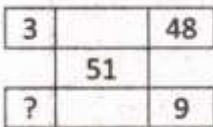
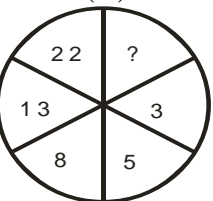
(D)

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

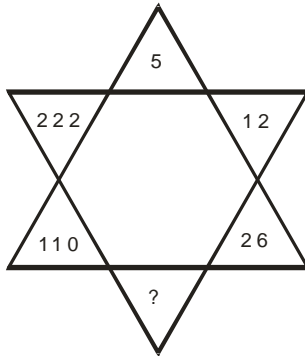
In question No 16 to 20, figures are given with question mark (?). Complete the figure replacing question mark (?) with suitable number logically

16. 
- (A) 13 (B) 15 (C) 17 (D) 19
17. 
- (A) 25 (B) 20 (C) 32 (D) 42
18. 
- (A) 1 (B) 26 (C) 39 (D) 45

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(A) 1

(B) 26

(C) 39

(D) 45

20.

4	3	2
6	9	5
9	27	?

(A) 1

(B) 26

(C) 39

(D) 45

In question No 21 to 25, English alphabets are given digital numbers. Using them find the correct code (number) for other English words from options given below.

21. If CUP = 40 the KITE = _____

(A) 10

(B) 20

(C) 30

(D) 45

22. If ZEBRA = 2652181 then LION = _____

(A) 1291514

(B) 50

(C) 9112514

(D) 2591541

23. If BAG = 71 the VICE = _____

(A) 69

(B) 70

(C) 75

(D) 90

24. If RAJU = 11-12-13-14 and JUNK = 13-14-10-9 then RANK = _____

(A) 9-10-11-12

(B) 10-11-12-9

(C) 11-12-10-9

(D) 12-1-0-9

25. If WORK = 4-12-9-16 then WOMAN = _____?

(A) 4-12-14-16-13

(B) 4-26-14-13-12

(C) 23-12-26-14-13

(D) 23-15-13-1-14

In question No 26 to 30, if order of English alphabet is changed, code language is changed, then choose their option from the given option

26. If TNELLECXE written instead of EXCELLENT then what is written for MARKET?

(A) TERKAM

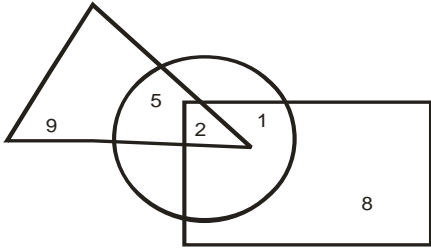
(B) TEMARK

(C) TEKRAM

(D) TEKRMA

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27. If PQRS is written as KJIH, the EFGH is written as _____
 (A) VUTS (B) STUV (C) SUTV (D) WVUT
28. If WXYZ = DCBA then COME=?
 (A) XKNV (B) XLNV (C) LNVX (D) LXNU
29. If CARING=EDVGKC and SHARE = UKEPBO then CASKET = ?
 (A) EDXIBP (B) EDWIAP (C) EDWPAI (D) EDWIBP
30. If PICTURE = QHDSVQF then BROWSER=?
 (A) CQVVTD (B) CQPVTDS (C) CQPVTDS (D) CQVPPDS
31. 
 (A) 2 (B) 5 (C) 9 (D) 1
32. Pointing at photo of female, Ashok said, "Her father's wife is my wife's mother in law. What is the relation as Ashok with that female in photo?
 (A) Sister (B) Wife (C) Mother (D) Daughter
33. As relation of square with perimeter, what is the relation of circle from following in the same manner?
 (A) Area (B) Volume (C) Circumference (D) Side
34. 423411223412244335341123
 in the above series, how many 3's are there such that 4 comes after 3 and 2 comes before 3?
 (A) 4 (B) 3 (C) 2 (D) 1
35. a-curd, b-milk, c-butter-milk, d-butter, are given. From above milk products, what order is logically correct from following option given?
 (A) bacd (B) abcd (C) dcba (D) acbd

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36. Shoes : cobbler :: food-grain : _____
(A) Trader (B) Farmer (C) Factory (D) Scientist
37. On 26- January-1947 is Tuesday, then which day on 2- September-1947?
(A) Tuesday (B) Wednesday (C) Thursday (D) Saturday
38. What is the angle between hour hand and minute hand in the clock shows time 8:25.
(A) 90° (B) 102.5° (C) 77.5° (D) 12.5°
39. Maulik walks 5 km in east direction, then he turns right and walk 8 km, again he turns left and walk 5 km, then he turns rest and walk 8km. Now, how much would he for from his origin?
(A) 10 km (B) 18 km (C) 31 km (D) 13 km
40. If is stand by keeping mouth in east direction and turn 1000 clockwise and then turn again 1450 anticlockwise, then in which direction keeping my mouth will I Stand?
(A) North-East (B) South-East (C) North-West (D) West
41. In a line of 200 players, Kartikey's sequence is 18th from left side, when what is his sequence order from right side?
(A) 182 (B) 183 (C) 184 (D) 218
- In question No: 42,43 and 44 one word differs from the rest. Which one is that?
42. (A) Kilometer (B) Centimeter (C) Litre (D) Light Year
43. (A) Milk (B) Ghee (C) Butter (D) Oil
44. (A) Ahmedabad (B) Gandhinagar (C) Newyork (D) Mumbai
45. There is a relation between India and Delhi. Which of the following words has the same type of relation with U.S.A?
(A) Mumbai (B) Washington (C) New York (D) Standford
46. If x is stead of +, - instead of x, - instead of \div , and + instead of - are considered, then what is the answer of following by symlifying ?
(A) 18 (B) 16 (C) 15 (D) 12

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47. 30% of 30% of a number is 9, what is that number?
(A) 200 (B) 100 (C) 300 (D) 18
48. 2 mangoes = 6 apple, 2 apple = 8 bananas, so instead of buying 1 mango, how many bananas are available?
(A) 12 (B) 24 (C) 6 (D) 8
49. What would be measure of angle between hour hand and minture hand, when clock shows time 12 o'clock?
(A) 180° (B) 0° (C) 90° (D) 45°
50. A man passes road of 250 meter broad in 75 second. What is the speed of man in km/hour?
(A)10 (B) 12 (C) 12.5 (D) 15

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NATIONAL TALENT SEARCH EXAM

(NTSE-2017) STAGE-1

ANSWER KEY

GUAJRAT STATE - MAT

1. B	2. D	3. C	4. D	5. C	6. B	7. B	8. B	9. D	10. D
11. A	12. B	13. D	14. A	15. C	16. B	17. D	18. C	19. A	20. D
21. D	22. A	23. A	24. C	25. A	26. C	27. A	28. B	29. D	30. B
31. A	32. A	33. C	34. C	35. A	36. B	37. C	38. B	39. A	40. A
41. B	42. C	43. D	44. C	45. B	46. A	47. B	48. A	49. B	50. B