

NTSE STAGE – 1 (2016) (STATE OF M.P.)

SENT - 10

PART - 1 MENTAL ABILITY

Direction : In question nos 1 to 5 there is a number series with one term missing shown by question mark (?) This term is one of the alternative given. Choose that number.

1. 36, ?, 24, 18, 12
(A) 22 (B) 28 (C) 38 (D) 30
2. 1, 1, 4, 8, 9, 27, 16, 64, 25, ?
(A) 81 (B) 100 (C) 125 (D) 121
3. 3, 5, 8, 13, 21, ?, 55
(A) 25 (B) 49 (C) 36 (D) 34
4. 80, 78, 75, 71, ?, 60
(A) 76 (B) 73 (C) 65 (D) 66
5. 2, 7, 17, 32, 52, ?
(A) 77 (B) 64 (C) 72 (D) 81

Direction: In Question no. 6-10, there is a question mark in the blank space and it is only one of the four alternatives given under the question which satisfies the same relation as is found between the two pat terns to the left of the sign :: given in the question. Find the correct alternatives.

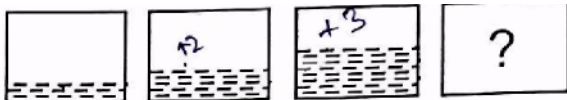
6. BEGK: ADFJ :: PSVY : ?
(A) LOQT (B) ROUX (C) OTUZ (D) ORUX
7. A B C D : N P R T :: F G H I : ?
(A) K L M N (B) O Q R T (C) R T U W (D) S U W Y
8. BLOCKED : YOLXPVW :: ? : OZFMXS
(A) LAUNCH (B) DEBATE (C) LABOUR (D) RESULT
9. aCE : bdF :: fhJ : ?
(A) ghk (B) gik (C) dfH (D) fhL
10. Menu: Food:: Catalogue: ?
(A) Rack (B) Newspaper (C) Library (D) Books

Direction : In Question no. 11 to 15, there are four terms in each question. The terms left to the symbol: : have the same relationship as the two terms to the right of symbol:: out of four terms one is missing which is one of the four alternative given, select and write the correct one in the answer sheet.

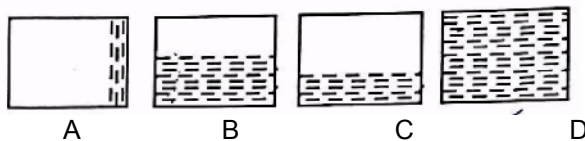
11. Teacher: Student:: Doctor: ?
(A) Hospital (B) Nurse (C) Patient (D) Pathology
12. Feather: Soft:: Glass:?
(A) Black (B) White (C) Light (D) Hard
13. Sky: Cloud:: Water:?
(A) River (B) Steam (C) Ice (D) Hot
14. Bird: Flying:: Animal: ?
(A) Running (B) Flying (C) Walking (D) Crying
15. Court: Justice:: School:?
(A) Teacher (B) Education (C) Ignorance (D) Student

16. Satyajit Ray is related to films in the same way as Picasso is related to
 (A) Literature (B) Drama (C) Poetry (D) Painting
17. Find the relationship -
 Lucknow: Patna: Bhopal: Jaipur: ?
 (A) Indore (B) Mysore (C) Pune (D) Shimla
18. Which of the following does not belong to others?
 (A) Tomato (B) Mango (C) Guava (D) Papaya
19. If today is Sunday, after 90 days it will be....
 (A) Friday (B) Saturday (C) Sunday (D) Monday
20. Pointing to a lady, a man said "The son of her only brother is the brother of my wife". How is the lady related to the man?
 (A) Mother's sister (B) Grandmother
 (C) Sister of father-in-law (D) Maternal aunt
21. Raza said "This girl is the wife of the grandson of my mother". Who is Raza to the girl?
 (A) Father (B) Grandfather (C) Husband (D) Father-in-law
22. If the 2nd September 2016 was Friday. How many Friday were there in the month?
 (A) 3 (B) 4 (C) 5 (D) None of these
23. Sara is older than Mala. Gopal is older than Mala but younger than Sara. Kapil is younger than Ram and Mala. Mala is older than Ram. Who is the eldest?
 (A) Sara (B) Mala (C) Kapil (D) Gopal
24. You go north, turn right, then right again and then go the left. In which direction are you now?
 (A) North (B) South (C) East (D) West
25. In the given words find the odd one out
 (A) Winter (B) Summer (C) Spring (D) Cloud

Question no. 26 to 30 have a series with three figures. Bearing series in mind, pickup the fourth correct figure from the answer figure.

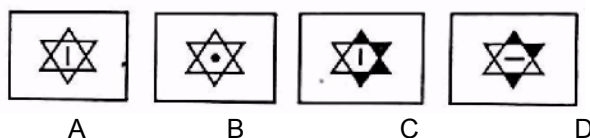
26. 

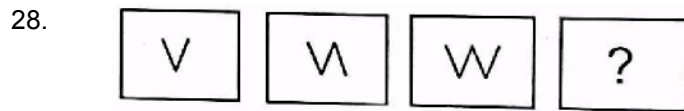
Answer shapes



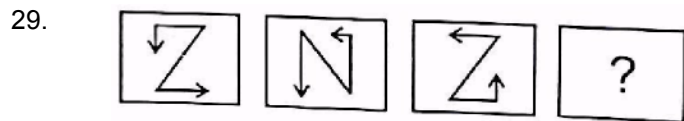
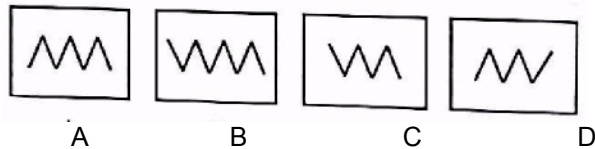
27. 

Answer shapes

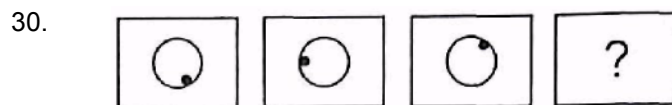
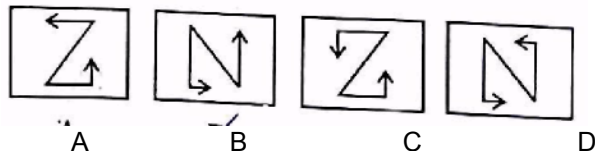




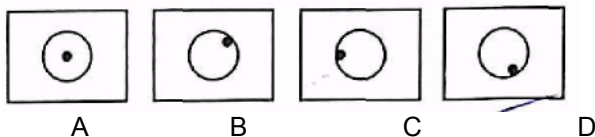
Answer figures



Answer figures



Answer figures



Direction: On the basis of following arrangement give answer of Question no. 31 and 32.
7, 8, 9, 7, 6, 5, 3, 4, 2, 8, 9, 7, 2, 4, 5, 9, 2, 9, 7, 6, 4, 7

31. How many 7s are preceded by 9 and followed by 6
(A) 2 (B) 3 (C) 4 (D) 5

32. Which figure has equal frequency?
(A) 2, 5, 3 (B) 2, 4, 5 (C) 3, 7, 5 (D) 8, 6, 5

33. Which is correct missing letter?

F	I	O
A	J	K
E	M	?

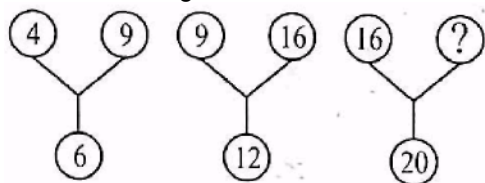
(A) P (B) R (C) S (D) V

34. What is (?) missing number

?	9
22	13

(A) 38 (B) 39 (C) 40 (D) 44

35. Find the missing character.



- (A) 21 (B) 25 (C) 35 (D) 45

Direction: Question no. 36 to 38 each form a group with similar except one. Find the different one.

36.



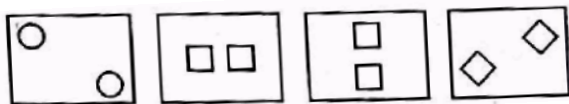
- A B C D

37.



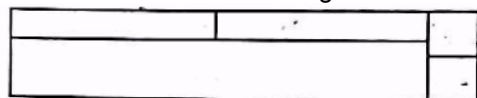
- A B C D

38.



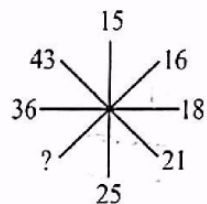
- A B C D

39. What is the number of rectangles in the following figure?



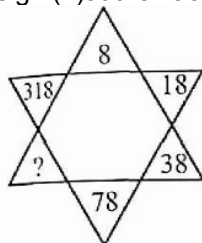
- (A) 6 (B) 7 (C) 9 (D) 11

40. In the following question there is a sign (?) at the vacant place. Find out the missing number.



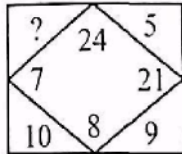
- (A) 28 (B) 32 (C) 30 (D) 35

41. In the following question there is a sign (?) at the vacant place. Find out the missing number.



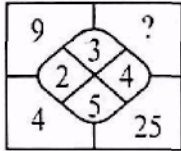
- (A) 68 (B) 140 (C) 156 (D) 158

42. In the following question, find out the missing number at the vacant place.



- (A) 12 (B) 14 (C) 4 (D) 13

43.



- (A) 10 (B) 12 (C) 20 (D) 16

44. A family consisted of a man, his wife, his three sons, their wives and three children in each son's family. How many members are there in the family?

- (A) 12 (B) 14 (C) 17 (D) 19

45. A 26 feet long piece of wood is cut to make three pieces of equal length, the length of each piece is -

- (A) 8 feet 8 inches (B) 8 feet 2 inches (C) 8 feet 6 inches (D) 8 feet 4 inches

Direction: In questions (46-48). Eight friends A, B, C, D, E, F, G and H are sitting around a circular table facing the centre, not necessarily in the same order. C is third to the left of E, B is not an immediate neighbour of either E or C. H is not an immediate neighbour of E, D is third to the right of B, H is second to the left of A. F is not immediate neighbour of H.

46. Who is sitting third to the left of B?

- (A) E (B) A (C) G (D) B

47. Which of the following pairs of people correctly represents the pair of people who are immediate neighbour of H?

- (A) DC (B) GA (C) AD (D) BG

48. Who is sitting between B and C?

- (A) H (B) F (C) A (D) G

49. If farmer LC' has two daughters - A and B as well as one son ;D" so what is the relation between D to A?

- (A) Sister (B) Bhabhi (sister-in-law)
(C) Uncle (D) Brother

50. If Ajay is taller than Tara, but shorter than Atul, Atul is shorter than Sharad then who is tallest

- (A) Ajay (B) Tara (C) Sharad (D) Atul