MENTAL APTITUDE TEST(MAT)_PAPER & SOLUTION

In the following questions 1 to 10 questions numbers are arranged in a series with come principles understanding it. One term in the series is missing as shown by__ . This term is given as one of the alternative amongst the four numbers given below it. Find this term and show your answer against the, question number on the answer sheet.

1. 1, 12, 18, 25, __ , 52

(A) 32 (B) 33 (C) 35 (D) 34

2. 9, 16, 25, 36, _____ , 64,81

(A) 40 (B) 42 (C) 46 (D) 49

3. 2, 2, 4, 12, 48, _____.

(A) 240 (B) 220 (C) 192 (D) 200

4. 25, 22, 18, 13, 7, _____ .

(A) 1 (B) 2 (C) 3 (D) 0

5. 8, 27, 64, 125, _____, 343, 512

(A) 150 (B) 220 (C) 216 (D) 180

6. 48, 35, 24,_____ , 8, 3.

(A) 14 (B) 15 (C) 16 (D) 12

7. 12, 20, 30, 42, _____, 72

(A) 14 (B) 15 (C) 16 (D) 12

8. 17, 22, 26, 29, _____, 32, 32

(A) 30 (B) 31 (C) 32 (D) 29

9. 144, 100, 64, _____ , 16, 4

(A) 32 (B) 34 (C) 36 (D) 40

10. 22, 33, 46, _____, 78, 97

(A) 60 (B) 61 (C) 62 (D) 67

In question 11 to 15, English alphabets are given digital numbers. Using them, find the correct code of other English words from the alternatives.

11. If TAKE = 3456, KAML = 5479 are given, what is written for MAKE?

(A) 7465 (3) 7456 (C) 7546 (D) 7564

12 If DOG = 467, CAT = 321 are given, what is written for GOT?

(A) 716 (B) 761 (C) 671 (D) 617

13. If A = 1,B = 2,C = 3,D = 4,E = 5,F = 6,G= 7,H = 8,I = 9 and BCGH =2378 are given ,What is given to CDHI = ?

(A) 3498 (B) 3849 (C) 3489 (D) 3894

14. If CAMEL = 34567, METAL = 56847, what is LEMAT ?

(A) 76584 (B) 76458 (C) 76548 (D) 76854

15. If HIDE = 8945, BDAF = 2416, what is DIBF ?

(A) 4962 (B) 4692 (C) 4296 (D) 4926

In question No. 16 to 20, if order of English alphabet is changed, code language is changed.

16. If P O U N D is written instead of D N U O P, what is written for M E G I K?

(A) KIMEG (B) K I G E M (C) K G I E M (D) K I G E M

17. If R E W O L is written for FLOWER, what is written for MARKET ?

(A) TEKRMA (D) TEKRAM (C) TEKAMR (D) TEKMAR

18. If PCAT = TACP and RBED = DEBR are written, what is written for DCAB in code language?

(A) BACD (B) ABCD (C) BADC (D) ABDC

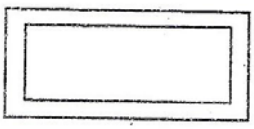
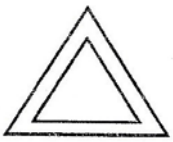
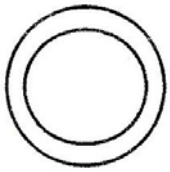
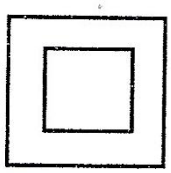
19. If ABCD is written ZYXW in code language, what is written for EFGH in code language?

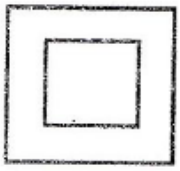
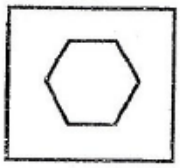
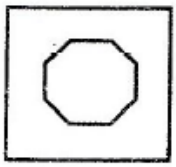
(A) VUST (B) UTSR (C) STUV (D) VUTS

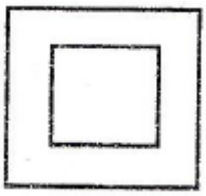
20. If in any language ROAST by PQYUR, how is expressed SLOPPY ?

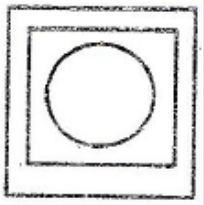
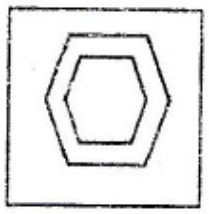
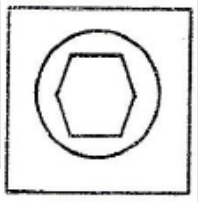
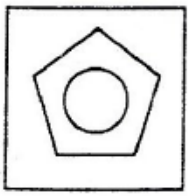
(A) MRNAQN (D) NRMNQA (D) QNMRNA (D) RANNMQ

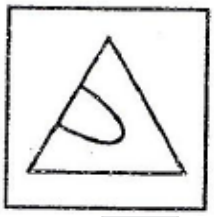
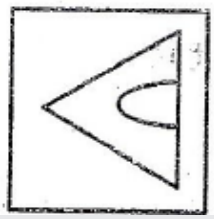
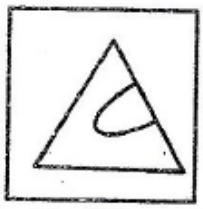
In question No. 21 to 15, four figures are given in each. One of the figure differs from the rest three. Which is that figure?

21. (A)  (B)  (C)  (D) 

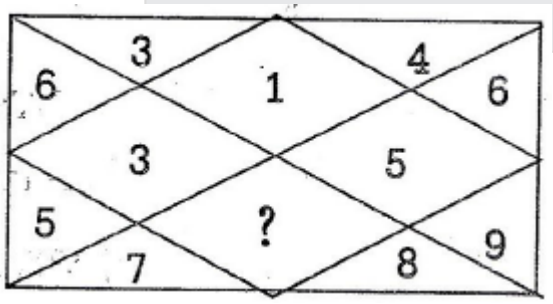
22. (A)  (B) (C)  (D) 

23. (A) (B) (C)  (D)

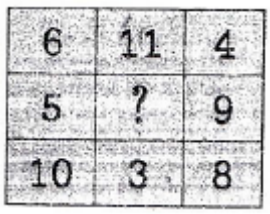
24. (A)  (B)  (C)  (D) 

25. (A)  (B)  (C)  (D)

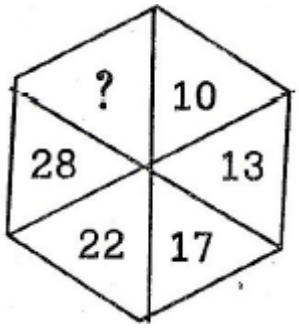
In question No 26 to 30, figures are given with one question mark (?). Complete the figure logically .

26. 

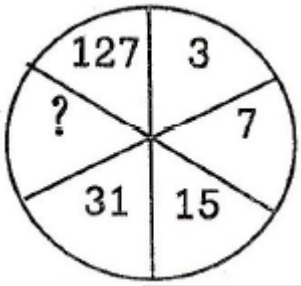
(A) 72 (B) 35 (C) 56 (D) 42

27. 

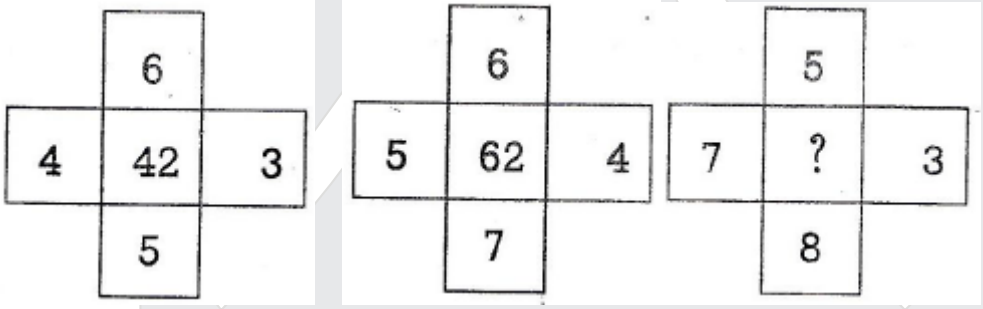
(A) 2 (B) 1 (C) 7 (D) 12

28. 

(A) 34 (B) 35 (C) 30 (D) 36

29. 

(A) 62 (B) 63 (C) 106 (D) 76

30. 

(A) 65 (B) 60 (C) 61 (D) 62

31. In figure, if at the bottom of the quibic, there are four dots, how many dots can be at the top?

(A) 2 (B) 4 (C) 6 (D) 3

32. Pointing at the photo, Ramesh said that is the photo of the younger brother of father's daughter's of the only sister of my maternal uncle. What relation of the person in the photo with Ramesh?

(A) Maternal uncle (B) Father (C) uncle (D) Brother

33. Tarun went 8 kms in the East from his house. Then turned to left and went to the temple which is 4 kms away. Now to reach his home (without taking turn) how much distance would he walk?

(A) 5(Km) (B) 3 (km) (C) 8 (km) (D) 6 (km)

34. Kiran was standing on the way after sunrise. Narmrata who was coming from the opposite direction, saw that the shadow of Kiran was falling on his left. So to which direction was kiran's face ? (Kiran was looking)

(A) South (B) South-West (C) North-East (D) North

35. A Wall-clock shows 3:40 time. What time is indicated reflection of the same clock on the opposite clock?

(A) 7:20 (B) 8:40 (C) 8:20 (D) 7:40

36. 2 mangoes = 3 apples, 2 apples = 4 bananas. So instead of buying 3 mangoes, how many Bananas are available?

(A) 6 bananas (B) 8 bananas (C) 9 bananas (D) 12 bananas

37. If on 27 January 1947, it was Wednesday, what day was on 3 September 1947?

(A) Wednesday (B) Thursday (C) Friday (D) Sunday y

38. Goldmith : Ornamentsi : Producet : ?

(A) Film (B) Theater (C) Actor (D) Actress

39. Satish was born on 15th August. If Mahesh is 17 years older than Satish. On which day was Mahesh born?

(A) Tuesday (B) Monday (C) Wednesday (D) Monday

40. At 3.00 o'clock, which of the following; angle is made the two hands (hour hand and minute hand) ?

(A) 90^0 (B) 120^0 (C) 0^0 (D) 150^0

41. What would be the measurement between two hands (hour hand and minute hand) at 10.00 o'clock?

(A) 30^0 (B) 60^0 (C) 90^0 (D) 120^0

42. If the day before yesterday was Sunday, what day will be on 5th day after day after tomorrow ?

(A) Sunday (B) Saturday (C) Wednesday (D) Thursday

In question No. 43, 44 and 45, one word differs from the rest. Which one is that?

43. (A) Acre (B) Inch (C) Meter (D) Mile

44. (A) Banas (B) Saraswati (C) Rupen (D) Sabarmati

45. Three cities of the following are of one group. Which city differs from that group ?

(A) Ahmedabad (B) Jaypur (C) Bhopal (D) Lucknow

46. There is relation between Gujarat and Gandhinagar. Which of the following words has the same type of relation with Asham?

(A) Gauhati (B) Manipur (C) Dispur (D) Mizoram

47. In a line, Parth's sequence is 17th from right side and 24th from the left side. So how many students are there in that line?

(A) 41 (B) 40 (C) 42 (D) 39

48. 20% of 20% of number is 20. What is that number?

(A) 200 (B) 400 (C) 500 (D) 2000

49. If 'City' is called 'Village', Village' is called 'Sofa' and 'Sofa' is 'Bathroom', than where does lion live?

(A) ina jungle (B) In a Sofa (C) In a bathroom (D) In a village

50. The addition of the squares of two numbers in squares is 221. Which are those numbers?

(A) 100 and 111 (B) 9 and 10 (C) 10 and 11 (D) 11 and 12

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