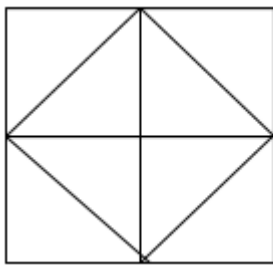




MTSE 2020

Class-5

1. Count number of squares.



- a. 1.4 b. 2.5 c. 3.6 d. 4.7

2. gfe_ig_eii_fei_gf_ii:

- 1.e if g i
- 2.f i g i e
- 3.i f g i e
- 4.i f i g e

3. A number series is given with one term missing. Choose the correct alternative that will continue the same pattern.

(2,3) ,(3,5) ,(5,7), (7,11) ,(11,13),(....)

- 1.(13,15)
- 2.(15,16)
- 3.(13,17)
- 4.(13,26)

4. Which word cannot be formed by using the letters of the word 'MATHEMATICS' ?

- 1.THESES
- 2.EARTH
- 3.MATCH
- 4.HEM

5. Find the missing number : 4, 7, 26, 73,

- 1.229
- 2.214
- 3.224
- 4.219

6. If x means -, - means x , + means ÷ and ÷ means +, then $24 \times 5 - 2 \div 8 + 4 = ?$

- 1.13
- 2.50

3.8
4.16

7. Choose the correct one:

- 1. Messengar
- 2. Massanger
- 3. Messenger
- 4. Mesenger

8. Find the mirror image of the given word:-

ANS43Q12

- (1) AN243Q12
- (2) 21Q342NA
- (3) 2NAE4Q21
- (4) 12Q4EAN2

- 1.1
- 2.2
- 3.3
- 4.4

9. Sita has to go to market. She comes out of her house and moves towards South and walks some distance, then she turns left. What's the actual direction, her face is facing towards now after assuming that all the directions are rotated by 90 degrees in clockwise direction?

- 1. South
- 2. East
- 3. West
- 4. North

10. Find the missing term:-

11 , 13, _ , 19 , 23 , 25

- 1.15
- 2.17
- 3.14
- 4.18

11. Choose the correct option :-

B	G	N
D	J	R
G	N	?

- 1.W
- 2.V
- 3.U
- 4.X

12. Kajal goes 20 metres towards west from her house. Then after turning to her left she goes 10 metres. After this turning to her left she goes 20 metres. How far and in what direction is she from her house?

- 1. 20 m, North
- 2. 10 m, South
- 3. 30 m, South
- 4. 10 m, North

13. 'Bro Just Chilli' is coded as "White black green" and 'Just listen Bro' is coded as "black yellow white". Then "green white yellow" is the code for which one:

- 1. listen chilli bro
- 2. None
- 3. Chilli bro listen
- 4. bro listen chilli

14. Find the odd one out: 2, 5, 10, 50, 500, 5000

- 1. 10
- 2. 5
- 3. 50
- 4. 5000

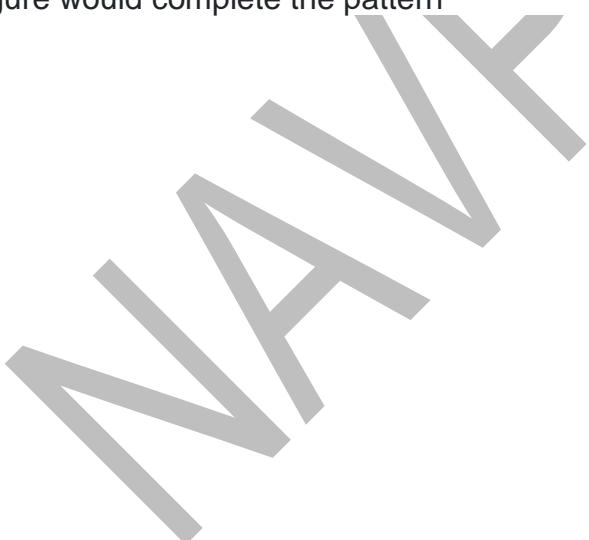
15. Rearrange the letters and choose the odd one out:

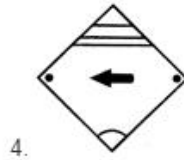
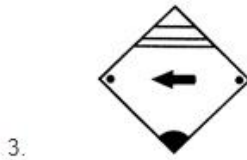
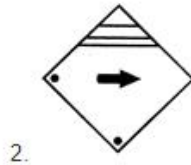
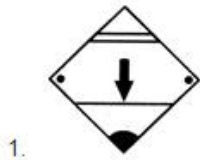
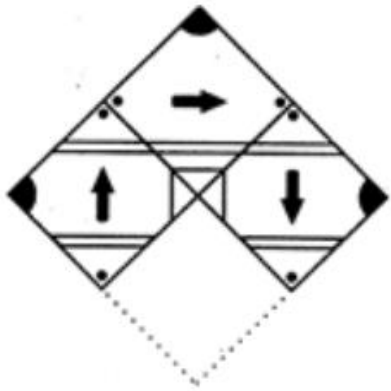
- 1. SSORICSS
- 2. ABLED
- 3. EEPLRE
- 4. CDEEKR

16. Choose odd one out:-

- 1. 7
- 2. 9
- 3. 4
- 4. 6

17. Select the figure from the given options, which when placed in the blank space of the given figure would complete the pattern





- 1.FIGURE-1
- 2.FIGURE-2
- 3.FIGURE-3
- 4.FIGURE-4

18. In the following number series, how many 8's are there which are immediately preceded by a number which does not divide it but followed by a number which divides it?

2 8 2 8 3 8 5 8 8 5 3 2 8 2 3 8 4 7 1 5 8 3 8 2 8 6

- 1.1
- 2.2
- 3.3
- 4.4

19. \$ + \$ + \$ = 30

\$ + @ + @ = 18
 @ - # - # = 2
 \$ + @ + # = ?

- 1.14
- 2.0
- 3.15
- 4.13

20. ba_abab_b_ba_aba

- 1.abab
- 2.aabb
- 3.baab
- 4.bbaa

21. If in a code language 'mon dan sil' means 'nice big house'. 'fit kon dan' means 'house is good' and 'warm tir fit' means 'cost is high'.

Which word stands for 'good' in that language?

- 1.mon
- 2.dan
- 3.fit
- 4.kon

22. In the following series, which is the 5th letter to the left of the 14th letter from your right?

ABCDEFGHIJKLMNOPQRSTUVWXYZ

- 1.I
- 2.L
- 3.J
- 4.K

23. How is the son-in-law of your wife's only sister related to your wife's brother?

- 1.Father-in-law
- 2.Son-in-law
- 3.Nephew
- 4.Brother-in-law

24. A grocer has a sale of Rs. 6435, Rs. 6927, Rs. 6855, Rs. 7230 and Rs. 6562 for 5 consecutive months. How much sale must he have in the sixth month so that he gets an average sale of Rs. 6500?

- 1.Rs. 4991
- 2.Rs.5991
- 3.Rs. 6991
- 4.Rs. 3991

25. If SHOCKER is coded as WLSGOIV then how will THROUGH be coded?

- 1.XLVSYKL
- 2.XLVRWJK
- 3.XJTQWKL
- 4.XDNSYCD

Directions (Qs. 26-28) :Read the following information to answer these questions.

There are six children playing PUBG namely A, B, C, D, E and F. A and E are brothers. F is the only sister of E. C is the only son of A's uncle. B and D are the daughters of the brother of C's father.

26. How is D related to A?

- 1.Sister

- 2.Cousin
- 3.Uncle
- 4.Niece

27. How is C related to F?

- 1.Son
- 2.Uncle
- 3.Brother
- 4.Cousin

28. How many male players are there?

- 1.One
- 2.Two
- 3.Three
- 4.Four

29. 17, 1, 17, 3, 51, 5, (?)

- 1.102
- 2.255
- 3.68
- 4.136

30. Anil introduces Rohit as the son of the only brother of his father's wife. How is Rohit related to Anil?

- 1.Cousin
- 2.Son
- 3.Uncle
- 4.Son-in-Law

31. Find the missing number:

2	4	8
1	2	4
6	12	?

- 1.3
- 2.9
- 3.6
- 4.24

32. If NEIGENRE stands for ENGINEER, what does LEGIBIEL stand for?

- 1.ELIGIBEL
- 2.LEIGIBLE
- 3.ELIGIBLE
- 4.NOTA

33. TENNIS : RACKET :: HOCKEY : ?

- 1.BALL
- 2.STICK
- 3.FIELD
- 4.PLAYER

34. AZ, GT, MN, ?, YB

- 1.KF
- 2.TS
- 3.SH
- 4.RX

35. Look at the series:

3, 9, 27, 81,_____.

- 1.243
- 2.162
- 3.324
- 4.216

36. Where does the Yanomami tribe live?

- 1.Rainforest of Brazil
- 2.Rainforest of China
- 3.Rainforest of Indonesia
- 4.Rainforest of Congo

37. .Which of the following statements is correct?

- 1..Every prime number is odd.
- 2.Every even number is composite.
- 3..The sum of two odd numbers is always odd.
- 4..The HCF of two given numbers is always a factor of their LCM.

38. A man is not able to lift his hand. Which type of joint is not working properly in his body?

- 1.Ball and socket joint
- 2.Pivot joint
- 3.Gliding joint
- 4.Hinge joint

39. The Sports Authority of India is an apex body set up in 1984 by the Ministry of Youth Affairs and Sports, Government of India.

Which of the following is the current logo of Sports Authority of India?



1) SPORTS AUTHORITY OF INDIA



2)



3) SPORTS AUTHORITY OF INDIA

- 1.Figure-1
- 2.Figure-2

3. Figure-3

4. None Of The Above

40. Consider the following statements:

STATEMENT 1: All Plants can reproduce without seeds.

STATEMENT 2: Normally, Humans can reproduce asexually.

1. statement 1 is true and 2 is false.
2. statement 2 is true and 1 is false.
3. statement 2 is true and 1 is false.
4. both 1 and 2 are true.

41. Ram had 75 problems to solve. He has finished $\frac{3}{5}$ of them and asked to solve $\frac{1}{5}$ to his two elder brothers. How many problems does he still have to solve?

1. 45
2. 15
3. 30
4. 0

42. The state that comprises more number of Buddhist Viharas is

1. Karnataka
2. Jharkhand
3. Bihar
4. Odisha

43. Which of the following is not correct?

1. There are eight planets in our solar system.
2. Planets do not rotate on their own axis.
3. Planets revolve around the sun
4. Planets do not have their own light.

44. Arrange the following in ASCENDING order:

0.3, 7, -4, -1.5, 4.2

1. 0.3, -1.5, -4, 4.2, 7
2. 7, 4, -4.2, -1.5, 0.3
3. -4, -1.5, 0.3, 4.2, 7
4. 7, -4, 4.2, -1.5, 3.0

45. Soil is formed from rocks by the process of _____ that occurs due to effects of _____, _____, etc. Select the option that will correctly complete the given sentence.

1. Erosion, temperature, wind
2. Erosion, microorganisms, water
3. Weathering, erosion, pollution
4. Weathering, water, wind

46. Who is the chief minister of Delhi?

1. Amit Shah
2. Arvind Kejriwa
3. Nitish Kumar
4. Mamata Banerjee

47. WHALE→LARGE FISH→SMALL FISH→ ?

- 1.BACTERIA
- 2.PLANKTON
- 3.VIRUS
- 4.NONE OF THE ABOVE

48. Three glasses P, Q and R having equal amount of water were taken at room temperature and equal amount of salt was added to each one of them. After that, P was cooled, Q was heated and R was left undisturbed.

Which glass will contain the most salty water?

- 1.P
- 2.Q
- 3.R
- 4.All will taste same

49. Which number should be dialled to call a fire brigade ?

- 1.100
- 2.102
- 3.101
- 4.108

50. Chopping of wood is which kind of change?

- 1.Physical change
- 2.Chemical Change
- 3.No Change
- 4.Biological Change

51. A rectangular field is of dimension (21 X 14) units.A cow is grazing at one of the corners of the field having a rope tied at the corner. The length of the rope is 7 units. Find the area of the field in which the cow can't graze.

- 1.154 sq units
- 2.140 sq units
- 3.217 sq units
- 4.255.50 sq units

52. Which of the following planets is closest to the Earth?

- 1.Mars
- 2.Jupiter
- 3.Saturn
- 4.Venus

53. Your friend is waiting for you _____ the office.

- 1.around
- 2.outside
- 3.above
- 4.against

54. What is used to put off fire caused due to petrol?

- 1.Water
- 2.Magnifying Glass

- 3.Milk
- 4.Sand

55. The greatest factor of 15 is _____

- 1.1
- 2.3
- 3.5
- 4.15

56. Which of the following types of pollution cause asthma and lung infections?

- 1.Water pollution
- 2.Air pollution
- 3.Land pollution
- 4.Noise pollution

57. Venus is known as

- 1.Morning star
- 2.Evening Star
- 3.Earths's Sister
- 4.All of the Above

58. 100.52 mL=_____ L

- 1.100520
- 2.10052
- 3.0.10052
- 4.0.010052

59. Postman _____him a letter yesterday.

- 1.will give
- 2.gave
- 3.had been giving
- 4.give

60. During Land breeze

- 1.Air moves from land to sky
- 2.Air moves from sky to land
- 3.Air moves from sea to land
- 4.Air moves from land to sea

61. Roshan has twice as much money as Vijay. Alok has half as much money as Vijay.If Roshan had Rs 600, how much money all of them have together ?

- 1.Rs 650
- 2.Rs 860
- 3.Rs 1,050
- 4.Rs 1,750

62. What is the process of cutting trees on a large scale known as ?

- 1.Afforestation
- 2.Deforestation
- 3.Reforestation
- 4.Plantation

63. She _____ already _____ her dinner.

- 1.had,have
- 2.was,having
- 3.has,have
- 4.has,had

64. Where does the ozone layer belong in the atmosphere?

- 1.ionosphere
- 2.stratosphere
- 3.Troposphere
- 4.None of the above

65. Which of the following sequences is correct?

- 1.SPINNING >GINNING >WEAVING
- 2.GINNING >SPINNING >WEAVING
- 3.GINNING>WEAVING>SPINNING
- 4.WEAVING>SPINNING >GINNING

66. The plant (X :- that can yield both spices and cooking oil) can be _____.

- 1.corriander
- 2.mustard
- 3.clove
- 4.both (A) and (C).

67. Identify the types of noun which the following words belong to: Crowd and honesty

- 1.Abstract noun and Proper noun
- 2.Collective noun and Abstract noun
- 3.Proper noun and Common noun
- 4.Common noun and Abstract noun

68. Light energy is converted into electrical energy through which of the following?

- 1.Electric Bulb
- 2.Electric Heater
- 3.Battery
- 4.Solar Cell

69. Find the difference of place values of 3 in: 38143

- 1.29,997
- 2.38,143
- 3.29,097
- 4.29,197

70. Which gas is required for burning of air?

- 1.Nitrogen
- 2.Carbon Dioxide
- 3.Oxygen
- 4.Water Vapour

71. Which of the following floats on water?

- 1.Iron Nail
- 2.Plastic bottle
- 3.Iron rod
- 4.None of these

72. She filled ____ a basin with water.

- 1.off
- 2.up
- 3.to
- 4.on

73. Ram has a circular field of diameter 14 units but he gave $\frac{3}{4}$ th to his younger son and rest gave to his elder. They want to fence their field. If the cost of fencing per unit is Rs 8. How much costs are required by younger son to fence his own field?

- 1.Rs.88
- 2.Rs 376
- 3.Rs 66
- 4.76

THIS COMPREHENSION CONSISTS OF 5 QUESTIONS(Q.No. 74 - 78). Comprehension

Karl Benz invented the modern car in 1888 in Germany. Emile Roger worked for Benz in France. He made cars in France. By 1900, many people were building cars in France and in the U.S. The first company to build only cars was Panhard et Levassor in France. Panhard started in 1889. The Peugeot car company started in 1891 in France. In the US, Frank and Charles Duryea started the Duryea Motor Wagon Company in 1893. It was the first US car company. By 1902, Ransom E. Olds started the Olds Motor Vehicle Company. A year later, Henry Ford started the Ford Motor company. It produced the Cadillac. All these early modern cars burned gasoline or diesel fuel. Ford opened factories in France and Britain in 1911. Then, they opened a factory in Denmark in 1923. Later, they opened a factory in Germany in 1925. Ford was one of the first manufacturers to use an assembly line. With an assembly line, factory workers could produce cars faster and safer than other production systems. Most modern cars still burn gasoline or diesel fuel. These cars cause air pollution. They get the air dirty. Now many people are looking for cleaner cars. And, many car companies are looking for cleaner fuels.

Answer the following questions:-

74. Which was the first company to build only cars?

- 1.Benz
- 2.Ford
- 3.Dureya
- 4.Panhard

75. When did the Peugeot car company start?

- 1.1888
- 2.1889
- 3.1890
- 4.1891

76. Which was the first U.S. car company?

- 1.Ford
- 2.Olds
- 3.Duryea
- 4.Cadillac

77. The Ford Motor Company opened a.....

- 1.factory in Denmark in 1911.
- 2.factory in Germany in 1925.
- 3.factory in Britain in 1929.
- 4.factory in France in 1931.

78. Which was the first company to use the assembly line?

- 1.Benz
- 2.Ford
- 3.Panhard
- 4.Duryea

79. The difference between the the smallest 8-digit number and largest 6-digit numbers:

- 1.9,000,001
- 2.99,899,999
- 3.89,999,999
- 4.90,000,001

80. The people involved in the study of earthquakes are called

- 1.Astrologers
- 2.Seismologist
- 3.Environmental
- 4.None of these

NAALPK