THE WINNING EDGE DEFENCE ACADEMY (WEDA)

RMS – CLASS – 6th – MOCK – 1 (ANSWER KEY)

Time : 2 hrs **MM : 200**

Instructions

1. This question paper contains 200 questions, which is divided into following four sections. **Section I** English (50 Questions); **Section II** General Knowledge (50 Questions); **Section III** Intelligence Test (50 Question); **Section IV** Mathematics (50 Questions).
2. Each section carries 50 Marks.
3. The maximum time for all four sections is 2 hrs.
4. The candidate is expected to attempt all questions.

SECTION – A: MATHEMATICS (50 X 3 = 150)

1. The greatest of 6 - digits number formed by using the digits 0,2,3,6, 5 and 8 is?

(a) 863520 (b) 865230 (c) 806532 (d) 865320

Solution: The greatest of six digits number formed by using the digits 0, 2,3,6,5 & 8
= 865320

2. 327 can be written in the Roman numeral is?

(a) CCCXXVIII (b) CCCXXVII (c) CCCXVII (d) CCCXXVI

Solution: 327 = 300 + 20 + 7

$= (100 + 100 + 100) + (10 + 10) + (5 + 2) = CCCXXVII$

3. If 7389 – x = 2346 + 3784. Then the value x is?

(a) 1179 (b) 1239 (c) 1259 (d) 1269

Solution: $7389 - x = 2346 + 3784$

$= x = 7389 - (2346 - 3784)$

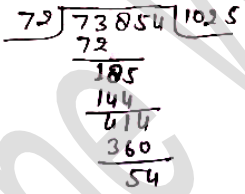
$x = 7389 - 6130$

$x = 1259$

4. The smallest number which must be subtracted from 73854 to make it exactly divisible by 72 is?

(a) 48 (b) 54 (c) 64 (d) 18

Solution:



∵ Required smallest number = Remainder = 54

5. Which of the fallowing fractions is in its lowest terms?

Type equation here.

(a) $\frac{42}{18}$ (b) $\frac{24}{68}$ (c) $\frac{33}{52}$ (d) $\frac{14}{63}$

Solution: $\frac{42}{18}=\frac{7\times6}{3\times6}=\frac{7}{3},\frac{24}{68}=\frac{6\times4}{17\times4}=\frac{6}{17},\frac{14}{63}=\frac{2\times7}{9\times7}=\frac{2}{9}$

Hence, the fractions $\frac{33}{52}$ is in the lowest terms.

6. The fraction equivalent to $\frac{3}{4}$ with denominator 28 is?

(a) $\frac{15}{28}$ (b) $\frac{21}{28}$ (c) $\frac{27}{28}$ (d) $\frac{18}{28}$

Solution: Let the required equivalent fraction $\frac{x}{28}$

$\therefore \frac{3}{4}=\frac{x}{28}\Longrightarrow 3\times28=x\times4\Longrightarrow x=\frac{3\times28}{4}=21$

7. Find the H.C.F. of 72, 144, and 216?

(a) 36 (b) 72 (c) 18 (d) 12

Solution:

2	72
2	36
2	18
3	9
3	3
	1

2	144
2	72
2	36
2	18
3	9
3	3
	1

2	216
2	108
2	54
3	27
3	9
3	3
	1

$72=2^3\times3^2, 144=2^4\times3^2 \ \& \ 216=2^3\times3^3$

$\therefore$ H.C.F of 72, 144 & 216 $=2^3\times3^3=72$

8. The lowest common multiple of 75, 150 and 275 is?

(a) 1650 (b) 1840 (c) 1760 (d) 1590

Solution: The lowest common multiple (L.C.M) of 75, 150 & 275

3	75, 150, 275
5	25, 50, 275
5	5, 10 55
	1, 2, 11

$=3\times5\times5\times11=1650$

9. The value of 8.306×10^{-4} in the usual form is?

(a) 83060 (b) 830600 (c) 0.008306 (d) 0.0008306

Solution: $8.306\times10^{-4}=0.0008306$

10. $\frac{22.32}{3.1}$ **?**

(a) 0.72 (b) 7.2 (c) 7.8 (d) 72.2

Solution: $22.32 \div 3.1 = \frac{22.32}{3.1}$

$= \frac{22.32 \times 10}{3.1 \times 10} = \frac{22.32}{3.1} = 7.2$

11. The simplification of $(1 + \frac{1}{10} + \frac{1}{1000} + \frac{1}{10000})$ **in the decimal form is?**

(a) 1.101 (b) 1.1011 (c) 1.0111 (d) 1.0101

Solution: $1 + \frac{1}{10} + \frac{1}{1000} + \frac{1}{10000} = 1 + 0.1 + 0.001 + 0.0001 = 1.1011$

12. $\frac{47}{4} - \frac{39}{10} - \frac{23}{20} - \frac{13}{8} = ?$

(a) 4.175 (b) 5.075 (c) 5.175 (d) 5.375

Solution: $\frac{47}{4} - \frac{39}{10} - \frac{23}{20} - \frac{13}{8}$

$= 11.75 - 3.9 - 1.15 - 1.625$

$= 11.75 - (3.9 + 1.15 + 1.625)$

$= 11.75 - 6.675 = 5.075$

13. Change 375 minutes to hours and minutes?

(a) 6hr 15 min. (b) 6hr 25 min (c) 6hr 12 min (d) 6hr 35 min

Solution: 1 hours = 60 minutes

∴ 375 minutes = 6 hr 15 min

14. Vishal's weight is 78 kg 15 g. and Mohit's weight is 57Kg 250g. Vishal's weight is how much more than that of Mohit?

(a) 20kg 345 g. (b) 20kg 475 g. (c) 20kg 635g. (d) 20kg 765g.

Solution: The required difference in their weights

= (78 kg 15 g – 57 kg 250 g) = 20 kg 765 g

Kilograms	Grams
78	15
- 57	250
20 kg	765 g

15. Convert 72 km/hr into m/s?

(a) 10 m/s. (b) 15 m/s. (c) 20 m/s. (d) 25 m/s.

Solution: 72 km/hr $= (72 \times \frac{5}{18})$ m/s = (4×5) m/s = 20 m/s

16. A man walks 16 km distance in 2 hours 30 minutes. The speed of the man is.

(a) 5.8 km/hr (b) 6.2 km/hr (c) 6.4 km/hr (d) 6.8 km/hr

Solution: Time taken by the man to walk 16 km

= 2 hours 30 minutes = $(2hr + 30\ min)$

$= (2 + \frac{30}{260})$ hrs $= 2\frac{1}{2}$ hrs = $\frac{5}{2}$ hrs

$\therefore$ Required Speed = $\frac{Distance\ travelled}{Time\ taken}$

$= (\frac{16}{\frac{5}{2}})$ km/hr = $(\frac{16\times2}{5})$ km/hr

= 6.4 km/hr

17. Simplify: 64 + 16 ÷ 2 – 6 of 7 + 3 x 2?

(a) 36 (b) 32 (c)38 (d) 34

Solution: $64 + 16 \div 2 - 6\ of\ 7 + 3 \times 2 = 64 + 16 \div 2 - 6 \times 7 + 3 \times 2$

$= 64 + 8 - 42 + 3 \times 2 \Rightarrow 72 - 42 + 6 = 78 - 42 = 36$

18. Simplify: 1 ÷ [1+1 ÷ (1+1 ÷ 3)]?

(a) 36 (b) $\frac{1}{3}$ (c) $\frac{4}{7}$ (d) $\frac{3}{7}$

Solution: $1 \div [1 + 1 \div (1 + 1 \div 3)] = 1 \div [1 + 1 \div (1 + \frac{1}{3})]$

$= 1 \div [1 + 1 \div \frac{4}{3}] \Rightarrow 1 \div [1 \times \frac{4}{3}] \Rightarrow 1 \div \frac{7}{4} \Rightarrow 1 \times \frac{4}{7} = \frac{4}{7}$

19. The fractional form of 8 $\frac{3}{4}$% is?

(a) $\frac{7}{20}$ (b) $\frac{7}{40}$ (c) $\frac{7}{10}$ (d) $\frac{7}{80}$

Solution: $8\frac{3}{4}\% = \frac{35}{4}\% = \frac{35}{4\times100} = \frac{7}{4\times20} = \frac{7}{20}$

20. What percent of 88 is 33?

(a) 27.5% (b) 32.5% (c) 37.5% (d) 42.5%

Solution: The required Percent

$\left(\frac{33}{88} \times 100\right)\% \Rightarrow \left(\frac{3\times100}{8}\right)\% = \frac{300}{8}\% = 37.5\%$

21. Vikas Purchased a radio for ₹ 1240 and spent ₹ 260 on its repair. He sold the radio for ₹ 1800. What is the Profit Percent?

(a) 15% (b) 18% (c) 20% (d) 25%

Solution: Actual C.P = Rs. (1240 + 260) = Rs.1500 & S.P = Rs.1800

Profit = S.P – C.P = Rs. (1800 – 1500) = Rs.300

$$\text{Profit} = \left(\frac{\text{Profit}}{\text{C.P}} \times 100\right)\% = \left(\frac{\text{Profit}}{1500} \times 100\right)\% = 20\%$$

22. The cost price of an article is ₹ 2400 and it is sold at a profit of 15%. The selling price of the Article is?

(a) ₹ 2660 (b) ₹ 2840 (c) ₹ 2720 (d) ₹ 2760

Solution: C.P = Rs. 2400 & Profit% = 15%

$$\therefore S.P = \left(\frac{100+\text{Profit}}{100}\right) \times C.P = \left\{\left(\frac{100+15}{100}\right) \times 2400\right\}$$

$$= \left(\frac{15}{100} \times 2400\right) \Longrightarrow 115 \times 24 = Rs.2760$$

23. Find the simple interest on ₹ 600 for 2 years at 10% per annum rate of interest?

(a) ₹ 80 (b) ₹ 120 (c) ₹ 60 (d) ₹ 140

Solution: P = Rs.600, T = 2 years & R= 10% P.a.

$$\therefore S.P = \frac{P \times R \times T}{100} = Rs.\left(\frac{60 \times 2 \times 10}{100}\right) = Rs.120$$

24. At what rate percent per annum simple interest will ₹ 4800 yield an interest of ₹ 800 in five years?

(a) $2\frac{1}{3}\%$ p.a. (b) $3\frac{1}{2}\%$ p.a. (c) $3\frac{1}{3}\%$ p.a. (d) $2\frac{1}{2}\%$ p.a.

Solution: P =Rs.4800, S.I = Rs.800 & T = 5 year

$$\therefore \text{R} = \left(\frac{S.I \times 100}{P \times T}\right)\% \Longrightarrow \left(\frac{1800 \times 100}{4800 \times 5}\right)\% = \frac{10}{3}\% = 3\frac{1}{3}\%p.a$$

25. Find the square root of 7.84?

(a) 2.8 (b) 3.2 (c) 2.2 (d) 3.8

Solution: The square root of 7.84

$$\sqrt{7.84} = \sqrt{\frac{2 \times 2 \times 2 \times 7 \times 7}{10 \times 10}}$$

$$\frac{2 \times 2 \times 7}{10} = \frac{28}{10} = 2.8$$

26. What is the square of $3\frac{14}{29}$?

(a) $\frac{10101}{84}$ (b) $\frac{10201}{841}$ (c) $\frac{10401}{841}$ (d) $\frac{10001}{841}$

Solution: $3\frac{14}{29} = \frac{3 \times 29 + 14}{29} = \frac{101}{29}$

$$\therefore \text{The square of } 3\frac{14}{29} = \left(\frac{101}{29}\right)^2 = \frac{(101)^2}{(29)^2} = \frac{10201}{841}$$

27. Find the average of first ten natural numbers?

(a) 4.5 (b) 5.2 (c) 5.5 (d) 5.8

Solution: The required average = $\frac{sum\ of\ the\ observations}{Number\ of\ observations}$

The average of first n natural numbers = $(\frac{n+1}{2})$

Here, $n = 10$

The required average $= \frac{10+1}{2} = \frac{11}{2} = 5.5$

28. A cricketer scored 180 runs in the first test and 258 runs in the second test. How many runs must he score in the third test to make his average 230 runs?

(a) 224 (b) 236 (c) 252 (d) 218

Solution: Let the cricketer must score x runs in the third test

required average = 230 runs

$= \frac{180+258+x}{3} = 230$

$= 438 + x = 230 \times 3 \Longrightarrow x = (690 - 438) = 252$

29. Two numbers are in the ratio 4:5. If the second number is 175, find the first number?

(a) 140 (b) 130 (c) 135 (d) 145

Solution: Let the first number be x then.

$\frac{x}{175} = \frac{4}{5} \Longrightarrow x \times 5 = 4 \times 165 \Longrightarrow x = \frac{4 \times 175}{5}$

$\Longrightarrow x = 4 \times 35 = 140$

30. The simplest form of the ratio $3\frac{4}{5} : 4\frac{1}{6}$ is?

(a) 112 : 125 (b) 105:112 (c) 125:114 (d) 114 : 125

Solution: The given ratio is $3\frac{4}{5}:4\frac{1}{6}\ or\ \frac{19}{5}:\frac{25}{6}$

L.C.M of the denomination 5 and 6 = $(5 \times 6) = 30$

Now multiply each term of the given ratio by 30 we get.

$\frac{19}{5}:\frac{25}{6} = (\frac{19}{5} \times 30):(\frac{25}{6} \times 30) = 114:125$

31. The cost of six apples is ₹ 90. How many apples can be bought for ₹ 225?

(a) 12 (b) 15 (c) 18 (d) 25

Solution: Number of apples $(x) = 6:x_2$

Cost (in Rs) (y) = 90 : 225

$\frac{x_1}{y_1} - \frac{x_2}{y_2} = \frac{6}{90} - \frac{x_2}{225} \Rightarrow x_2 = \frac{6\times225}{90} = 15$

32. If 12 women can weave 15 metres of cloth in a day. How many metres of cloth can be woven by 20women in a day?

(a) 18m (b) 22m (c) 25m (d) 28m

Solution: Number of women $(x) = 12:20$

Length of cloth woven (in m) (y) 15, y_2

This is a case of direct variation.

$\frac{x_1}{y_1} - \frac{x_2}{y_2} = \frac{12}{15} - \frac{20}{y_2} \Rightarrow y_2 = \frac{20\times15}{12} = 25\ m$

33. A can do a piece of work in 20 days and B can do it in 30 days. In how many days can A and B together do it?

(a) 8 days (b) 10 days (c) 12 days (d) 15 days

Solution: Efficiency of both A and B together

$= \frac{1}{20} + \frac{1}{30} = \frac{3+2}{60} = \frac{5}{60} = \frac{1}{12}$

∴ Time taken by them to complete the work together.

$= \frac{12}{1} days = 12\ days$

34. If a man can do a piece of work in 32 days, then in how many days will 24 men complete the samework?

(a) $1\frac{1}{3}$ days (b) $2\frac{1}{2}$ days (c) $3\frac{1}{3}$ days (d) $4\frac{1}{2}$ days

Solution: Number of men and number of days taken to complete the work are in inverse variation

Then, $M_1 \times D_1 = M_2 \times D_2$

$\Longrightarrow 1 \times 32 = 24 \times D_2 \Longrightarrow D_2 = \frac{1\times32}{24} = \frac{4}{3}$

$\Longrightarrow D_2 = 1\frac{1}{3}$ days

35. 24 men can do a piece of work in 16 days. In how many days can 32 men do that work?

(a) 6 days (b) 12 days (c) 18 days (d) 24days

Solution: Number of men and time taken by them to complete the work are in inverse variation.

Then $M_1 \times D_1 = M_2 \times D_2$

$\Longrightarrow 24 \times 16 = 32 \times D_2$

$D_2 = \frac{24\times16}{32} = 12\ days$

36. 1 + 2 + 3 + 4+---------- +15 = ?

(a) 108 (b) 112 (c) 116 (d) 120

Solution: Sum of the first 'n' natural numbers is given by $\frac{n(n+1)}{2}$

Here, n = 15

$\therefore 1 + 2 + 3 + 4 + \ldots\ldots\ldots + 15 = \frac{15(15+1)}{2} = \frac{15\times16}{2} = 120$

37. 1^2 +2^2+3^2+4^2+5^2+----------+14^2 = ?

(a) 1020 (b) 1015 (c) 1070 (d)1025

Solution: Sum of the square of the first n natural numbers is given by $= \frac{n(n+1)(2n+1)}{6}$

Here, n = 14

$\therefore 1^2 + 2^2 + 3^2 + 4^2 + 5^2 + 6^2 + \ldots\ldots\ldots..+14^2$

$= \frac{14(14+1)(2\times14+1)}{6} = \frac{14\times15\times29}{6} = 1015$

38. Find the perimeter of a rectangle of length 12 cm and breadth 8 cm?

(a) 40 cm (b) 20 cm (c) 96 cm (d) 80 cm.

Solution: Length (l) = 12 cm and Breadth (b) = 8 cm

∴ Perimeter of the rectangle

$= 2(l + b) = 2(12 + 8)cm = 40\ cm$

39. The perimeter of a square field is 563 m. find the length of its each side?

(a) 136.25 m (b) 140.75 m (c) 138.25m (d) 142.75m

Solution: Perimeter of the square field = 563 m

$\Rightarrow 4 \times 9 = 563 \text{ m} \Rightarrow a = (\frac{563}{4})\, m = 140.75$

40. Find the volume of a cuboid whose length, breadth and height are 16 cm, 12 cm and 8 cm respectively?

(a)1536 cm^3 (b) 1548 cm^3 (c) 1564 cm^3 (d) 1584 cm^3

Solution: Solution: Here, L = 16 cm, b = 12 cm & 8 cm

$\therefore$ Volume of the cuboid = $lbh = (16 \times 12 \times 18) cm^3 = 1536\ cm^3$

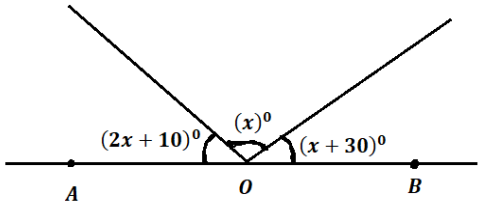
41. What is the total surface area of the cube whose each edge is 24cm.

(a) 3228 cm^2 (b) 3456 cm^2 (c) 3512 cm^2 (d) 3618 cm^2

Solution: Solution: Here, L = 16 cm, b = 12 cm & 8 cm

$\therefore$ Volume of the cuboid = $lbh = (16 \times 12 \times 18) cm^3 = 3456\ cm^3$

42. In the following figure, find the value of x?



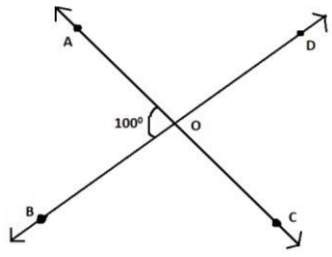
(a) 25° (b) 40° (c) 35° (d) 45°

Solution: $(2x + 10)° + x° + (x + 30)° = 180°$ (sum of the angles formed on a line is 180°)

$= 4x + 40° = 180° \Rightarrow 4x = (180° - 40°)$

$= 4x = 140° \Rightarrow x = \frac{140}{4} = 35°$

43. Find the measure of ∠BOC in the given figure?



(a) 100^0 (b) 60^0 (c) 80^0 (d) 120^0

Solution: $\angle AOB + \angle BOC = 180°$

$\Rightarrow 100° + \angle BOC = 180° \Rightarrow \angle BOC = (180° - 100°)$

$= \angle BOC = 80°$

44. The angles of a quadrilateral are in the ratio 2:5: 3:5 find the smallest angle?

(a) 24° (b) 48° (c) 42° (d) 52°

Solution: Let the angles be $2x, 5x, 3x$ & $5x$

Sum of angles of the quadrilateral = $360°$

$\Rightarrow 2x + 5x + 3x + 5x = 360°$

$\Rightarrow 15x = 360°$

$\Rightarrow x = \frac{360°}{15} = 24°$

The measure of the smallest angle = $2x = 2 \times 24 = 48°$

45. The number of diagonals in a Pentagon is?

(a) 3 (b) 4 (c) 5 (d) 6

Solution: Pentagon is 5-sided Pentagon

The number of diagonals is a Pentagon.

$= \frac{n(n-3)}{2} = \frac{5\times(5-3)}{2} = \frac{5\times2}{2} = \frac{10}{2} = 5$

Instructions for Q. No. 46-49:

In the following pictograph the number of students liking various sports have been represented. With the help of this pictograph, answer the following questions.

✪ Scale: ☺ = 5 Students

CRICKET	☺ ☺ ☺ ☺ ☺ ☺ ☺ ☺
FOOTBALL	☺ ☺ ☺ ☺ ☺
KABADDI	☺ ☺ ☺ ☺ ☺ ☺
KHO-KHO	☺ ☺ ☺ ☺ ☺ ☺ ☺ ☺ ☺

46. Which is the most favorite game of the students?

(a) cricket (b) football (c) kabaddi (d) Kho – Kho

Solution: Solution: kho – kho is the most favourite game of the students

$9 \times 5 = 45$ students

47. How many students like cricket?

(a) 8 (b) 35 (c) 40 (d) 45

Solution: The number students who like cricket

$= 5 \times 8 = 40$

48. What is the difference between the number of Students liking Kho – Kho and Kabaddi?

(a) 3 (b) 5 (c) 10 (d) 15

Solution: The required difference = $(9 - 6) \times 5 = 3 \times 5 = 15$

49. What is the sum of the number of students who like football and kabaddi?

(a) 11 (b) 45 (c) 5 (d) 55

Solution: The required sum = $(15 + b) \times 5 = 11 \times 5 = 55$

50. The cost of 18 lemons is ₹ 81. What is the cost of 26 lemons?

(a) ₹ 117 (b) ₹ 110 (c) ₹ 125 (d) ₹ 108

Solution: The cost of 18 Lemons = Rs.81

$\Rightarrow$ The cost of 1 Lemons = Rs. $\left(\frac{81}{18}\right)$

The cost of 26 Lemons = Rs.$\left(\frac{81}{18} \times 26\right) = 13 \times 9 = 117$

SECTION – B: ENGLISH (50 X 1 = 50)

Passage:

The Harrison household rises early each weekday morning to get ready for work and school. Each family member has a day special job to do. This helps everyone get ready on time. Dad prepares breakfast. Usually that is something simple like toast and cereal, but sometimes he surprises them with pancakes, eggs, and bacon, the delicious smell alone is enough to get the family going. Mom packs the lunches and sees that the children are clean and properly dressed. Gerald feeds the dog and takes out the trash. Susan feeds the cat and gathers all the laundry. Everyone makes their bed. Yes, they really do.

When breakfast has filled their tummies and their morning tasks are finished, the Harrison family is ready to begin a productive day on the job for dad and mom, that means driving to their offices. For Gerald and Susan, that means taking the bus and great teamwork, so most of the time things move along smoothly for the Harrisons. As they head out the door, they tell each other to have a good day at work and more often than not, that is exactly what they do.

Directions: - (Q. No. 1 – 5) Read the following passage and answer the questions by choosing the most appropriate option:

1. How many pets do the Harrison family have?

(a) 4 (b) 2 (c) 6 (d) 8

2. Who Packs the lunches?

(a) Dad (b) Gerald (c) Susan (d) Mom

3. __feeds the cat and gathers all the laundry?

(a) Dad (b) Gerald (c) Susan (d) Mom

4. Which of the following is similar to 'Good habits'?

(a) Etiquette (b) Addicted (c) Rude (d) Violent

5. Gerald and Susan go to school by_____?

(a) Car (b) Foot (c) Bus (d) Metro train

6. Choose the correct spelling in the following question?

(a) Conclusoin (b) Conculsion (c) Conclusion (d) Conculsoin

Choose the one which can be substituted for the given words / sentence.

7. One who does not make mistakes?

(a) Pessimist (b) Optimist (c) Infallible (d) Hypocrite

Choose the alternative which best expresses the meaning of the given idiom / phrase.

8. In cold blood?

(a) Angrily (b) Deliberately (c) Excitedly (d) Slowly

9. He has an aversion to milk.

(a) Dear (b) Loving (c) Liking (d) Pet

10. Which word means nearly the same as 'scream'?

(a) Find (b) Stop (c) Sell (d) Shout

Provide an appropriate question tag with these sentences.

11. Virat Kohli is an excellent player_____?

(a) isn't Virat (b) isn't it (c) isn't he (d) are they

In the following questions identify the kind of sentence.

12. How well he hits the ball

(a) Declarative (b) Interrogative (c) Imperative (d) Exclamatory

In the following questions choose the correct option to fill in the blanks.

13. Gold is_____precious metal?

(a) a (b) an (c) the (d) no article needed

14. Every student_____hard.

(a) work (b) is work (c) works (d) have worked

15. My grandmother is so old_____she cannot read.

(a) that (b) to (c) too (d) and

16. One should stick_____one's words.

(a) on (b) against (c) to (d) in

17. He hoped that he_____get selected.

(a) would (b) will (c) will be (d) has been moving

18. You_____look after your old and sick parents.

(a) Ought to (b) Can (c) Might (d) May

19. Candidates_____answer two questions from each section.

(a) Should not (b) Need (c) Must (d) Could

20. My house is_____than yours.

(a) Clean (b) Cleanest (c) Cleaner (d) Best

21. The pen is_____than a sword.

(a) Mighty (b) Mightier (c) Mightiest (d) Best

22. One should keep_____promise.

(a) his (b) one's (c) her (d)their

23. Anita writes as well as_____.

(a) him (b) he (c) hers (d) their

24. Choose the collective noun for group of stars.

(a) Galaxy (b) Pack (c) Shoal (d) Herd

25. Find the feminine gender of horse.

(a) Mare (b) Doe (c) Ewe (d) Ram

26. Choose the collective noun for group of merchants.

(a) Fleet (b) Faith (c) Army (d) Caravan

27. Choose the correct plural form of Bottle?

(a) bottles (b) bottling (c) bottle (d) bottlers

28. What is the feminine gender of salesman?

(a) Saleswoman (b) Salemen (c) Salesmen (d) Salesmans

Choose the easy correct option to fill in the blanks.

29. My sister studies in Delhi Public School,_____goes to school by bus.

(a) he (b) her (c) she (d) it

30. The Burj Khalifa is the_____building in the world.

(a) Tall (b) Tallest (c) Taller (d) Large

31. Arpit is_____than Vinod.

(a) Fit (b) Fitter (c) fittest (d) best

32. The sun_____in the East.

(a) Rose (b) Will Rise (c) Rises (d) Has Risen

33. I__a red car coming my way?

(a) am seeing (b) have been seeing (c) see (d) seen

34. We waited for Sachin_____half an hour but he did not come.

(a) For (b) On (c) At (d) Since

35. India signed nuclear deal_____Japan.

(a) In (b) Out (c) With (d) Over

36. Is it Saturday_____Sunday today.

(a) nor (b) and (c) or (d) else

37. We_____Delhi last month?

(a) Visit (b) Visits (c) Visited (d) Has Visited

38. She went to the market to buy_____jewelry.

(a) a (b) an (c) the (d) no article needed

39. India will not play the match tomorrow_____?

(a) will it (b) won't it (c) will they (d) won't they

40. **Stellar groupings tend to be <u>unlimited</u>. Choose the synonyms?**

(a) lengthy (b) heavenly (c) huge (d) infinte

41. simple. (Choose the antonyms)?

(a) Complex (b) Easy (c) Obey (d) Show

Choose the alternative which best expresses the meaning of the given idiom / phrase.

42. On the cards?

(a) Impossible (b) Shocking (c) Possible (d) To Be Supicious

43. Helena was over head and ears in love with Demetrius.

(a) Carefully (b) Completely (c) Brilliantly (d) Cautiously

Choose the one which can be substituted for the given words/ sentence.

44. A post with little work but high salary?

(a) Director (b) Trustee (c) Sinecure (d) Ombudsman

45. Still existing and known?

(a) Extent (b) Extant (c) Eternal (d) Immanent

Choose the correct spelling in the following questions.

46. (a) Daimend (b) Daimond (c) Diamend (d) Diamond

47. (a) appresiation (b) appreciation (c) appreciason (d) apreciation

Choose the correct sequence.

48. Celebrated by (A)/ Christmas (B)/ Christians (C) /is a festival (D).

(a) CDAB (b) BDCA (c) BDAC (d) ABCD

49. Work hard (A)/ dreams (B) / for (C) / our (D) / we must (E).

(a) EACDB (b) EABCD (c) EADCB (d) ABDCE

50. In the following questions identify the kind of sentence – "you should help the poor and the needy?"

(a) Declarative (b) Interrogative (c) Imperative (d) Exclamatory

SECTION – C: GENERAL KNOWLEDGE (50 X 1 = 50)

1. What is the total number of continents in the world?

(a) 5 (b) 6 (c) 7 (d) 8

2. Ram Krishna mission was founded by?

(a) Swami Dayanand (b) Swami Vivekananda (c) Raja Ram Mohan Roy (d) Jyotiba Phule

3. The Taj Mahal in Agra is located on the banks of which river?

(a) Ganga (b) Gomati (c) Yamuna (d) Godavari

4. Bihu is a famous dance of?

(a) Assam (b) Meghalaya (c) Manipur (d) Mizoram

5. The river ganga drains into which water body?

(a) Indian Ocean (b) Arabian Sea (c) Gulf Of Khambat (d) Bay Of Bengal

6. What is the motto of the Indian Army?

(a) Touch the sky with glory (b) Sam no Varumah

(c) Qadam Qadam Badhaye Ja (d) Service Before Self

7. What is the percentage of water present in human body?

(a) 50% (b) 60% (c) 70% (d) 100%

8. Who is the author of the book, 'a suitable boy'?

(a) Vikram Seth (b) Arvind Adiga (c) Amartya Sen (d) Mahashweta Devi

9. Clouds are mostly made of?

(a) Snow (b) Dust (c) Water droplets (d) Smog

10. The layer below the crust of the earth is?

(a) Trench (b) Mantle (c) Core (d) Ridge

11. Which among the following is not a type of volcano?

(a) Instinct Volcano (b) Extinct Volcano (c) Dormant Volcano (d) Active Volcano

12. Which device is used to measure the quantity of heat?

(a) Calorimeter (b) Cardiogram (c) Eudiometer (d) Manometer

13. Who invented the first vaccination?

(a) James Simpson (b) Edward Jenner (c) Alexander Fleming (d) Christian Barnard

14. The first Bharat Ratna Award in 1954 was awarded to whom?

(a) C. Rajagopalachari (b) S. Radhakrishnan (c) C V Raman (d) All of the above

15. Which sector is the backbone of Indian economy?

(a) Service Sector (b) Financial Sectore (c) Tourism Sector (d) Agriculture Sectore

16. Which among the following is not a part of the digestive system?

(a) Stomach (b) Heart (c) Intestine (d) Food Pipe

17. Which of the following is a renewable resource?

(a) Solar Energy (b) Natural Gas (c) Coal (d) Crop Residue

18. Which pass of peninsular India links Nasik to Mumbai?

(a) Zoji La (b) Bomdi La (c) Lipulekh (d) Thal Ghat

19. The capital of Iraq is situated alongside the river?

(a) Tigris (b) Euphrates (c) Thames (d) Neva

20. Which of the following is the national sport of India?

(a) kabaddi (b) volley (c) cricket (d) hockey ball

21. The 2022 commonwealth games was held in which city?

(a) Glasgow (b) Birmingham (c) Durban (d) Victoria

22. Who was the first Indian to win the Oscar award in 1982?

(a) Satyajit Ray (b) Gulzar (c) Bhanu Athaiya (d) Bimal Roy

23. Oxides of Sulphur and Nitrogen are major pollutants of?

(a) Air and Water (b) Air (c) Water (d) Soil

24. What is the minimum age requirement to become the president of India?

(a) 25 years (b) 30 years (c) 35 years (d) 40 years.

25. Which among the following is the largest National Park of India?

(a) Manas (b) Khangchendzonga (c) Hemis (d) Bandhavgarh

26. Which of the following continents has the largest share of population?

(a) Africa (b) North America (c) Europe (d) Asia

27. Who was the Governor General of India during the revolt of 1857?

(a) Lord Harding (b) Lord Canning (c) Lord Lytton (d) Lord Irwin

28. Subhash Chandra Bose is believed to have died in a plane crash in_____1945?

(a) London (b) Beijing (c) Moscow (d) Taiwan

29. Qutub Minar is situated in?

(a) New Delhi (b) Madhya Pradesh (c) Haryana (d) Punjab

30. Which is the largest religious community of India?

(a) Hindus (b) Muslims (c) Christians (d) Sikhs

31. Lathmar Holi is celebrated in?

(a) Vrindavan (b) Barsana (c) Mathura (d) Gokul

32. How many spokes are there in the Ashoka chakra?

(a) 12 (b) 18 (c) 24 (d) 30

33. The Indian army was founded in which of the following years?

(a) 1932 (b) 1961 (c) 1895 (d)1857

34. The headquarters of United National (UN) is located in?

(a) Rome (b) Geneva (c) New York (d) Washington DC

35. The boiling point of water is?

(a) 75°c (b) 150°c (c) 100°c (d) 120°c

36. The temperature at the time of frying is between?

(a) 350 – 370° F (b) 360 – 380° F (c) 400 – 450° F (d) 400 – 420° F

37. Who is the author of the book "Straight from the Heart"?

(a) Sachin Tendulkar (b) Kapil Dev (c) M.S. Dhoni (d) Saurav Ganguly.

38. How many seasons can be identified in India?

(a) 3 (b) 4 (c) 5 (d) 7

39. There are majorly how many types of rocks?

(a) 2 (b) 3 (c) 4 (d) 5

40. Which among the following is used for measuring the purity of milk?

(a) Odometer (b) Lactometer (c) Hygrometer (d) None Of These

41. What is the shape of the earth?

(a) Circle (b) Rectangle (c) Cube (d) Oblate Spheroid

42. Total number of longitudes are?

(a) 90 (b) 80 (c) 200 (d) 360

43. Who is known as the father of computer?

(a) Pascal (b) Newton (c) Ronald Ross (d) Charles Babbage

44. What is the name of the grasslands found in New Zealand?

(a) Canterbury (b) Pampas (c) Savannah (d) Steppe

45. FIFA world cup is related to which of the following sports?

(a) Football (b) Basketball (c) Tennis (d) Badminton

46. Who was the first Indian to go into space?

(a) Rakesh Sharma (b) Vikram Sarabhai (c) Kalpana chawal (d) Ravish Malhotra

47. Who among the following was the first Indian Woman to climb Mount Everest?

(a) Aditi Vaidya (b) Nahide Manzoor (c) Deeya Bajaj (d) Bachendri Pal

48. Which is the Longest Dam in India?

(a) Bhakra Dam (b) Rihan Dam (c) Hirakud Dam (d) Nagarjuna Sagar Dam

49. How many planets are there in the Solar System?

(a) Eight (b) Nine (c) Seven (d) Ten

50. How many fundamental rights are given to the Indian citizens?

(a) Five (b) Six (c) Seven (d) Eight

SECTION – D: INTELLIGENCE (50 X 1 = 50)

What should come in place of the question mark in the following question?

1. Boxing : Ring : Race : ?

(a) Arena (b) Track (c) Ground (d) Court

2. 7 : 56 : 9 : ?

(a) 54 (b) 80 (c) 72 (d) 81

Out of the given set four words, three words are alike and one is different. Find the odd word out.

3. (a) Book (b) Pencil (c) Eraser (d) Computer

4. (a) Guitar (b) Violin (c) Sitar (d) Flute

5. If in a certain code MBS is coded as ODU then BRL will be coded as?

(a) DTN (b) DUN (c) CSM (d) CTN

6. GOOD = 41, then BAD =?

(a) 6 (b) 12 (c) 7 (d) 10

7. Find out the next term in the following series.

2, 4, 7, 12, 19, 30, ?

(a) 43 (b) 41 (c) 40 (d) 39

8. Find out the missing term in the following series.

HK, ? , PQ, TT, XW

(a) LK (b) KO (c) KL (d) LN

9. If + means ÷, ÷ means –, – means × and × means + then what would be the answer of the equation?

12 + 6 ÷ 3 – 2 × 8

(a) 12 (b) 2 (c) 4 (d) 8

10. Sudhir is senior to Vikas, Vikas is senior to Rakesh. Rakesh is junior to Yash. Yash is junior to Vikas. Who is the senior most?

(a) Vikas (b) Yash (c) Sudhir (d) Rakesh

11. In a class of 45, Neha's rank is 15th from first. What is her rank from the last?

(a) 30 (b) 32 (c) 31 (d) 33

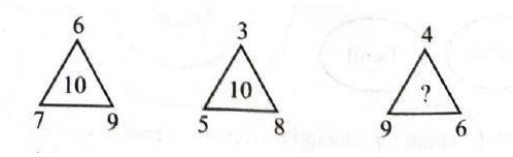
12. A men walks 6 Km South, turns left and walks 4 Km, again turns left and walk 5 Km. Which direction is he facing now?

(a) South (b) North (c) East (d) West

13. X and Y are the children of A. A is the father of X but Y is not his son. How is Y related to A?

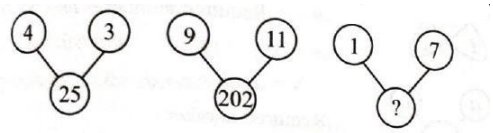
(a) Father (b) Daughter (c) Sister (d) Brother

14. Find the missing character in the following diagram.



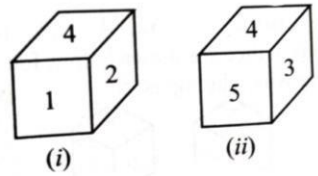
(a) 15 (b) 20 (c) 11 (d) 10

15. Find the missing character in the following question.



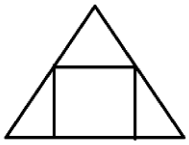
(a) 50 (b) 75 (c) 25 (d) 100

16. Two positions of a dice are shown below. When 6 is at the bottom, what number will be on the top?



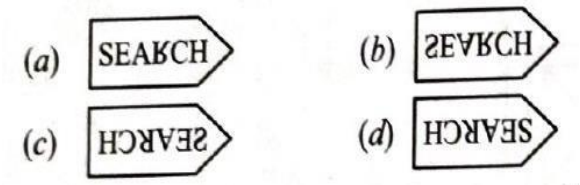
(a) 4 (b) 5 (c) 2 (d) 1

17. How many triangles are there in the given figure?



(a) 6 (b) 5 (c) 3 (d) 4

18. What would be the water image of 

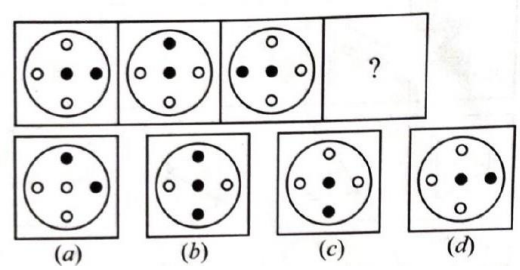


Ans – (b)

In each of the following questions, select the option figure that will complete the series of

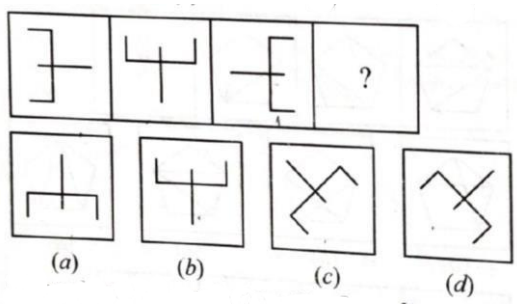
questions figure.

19.



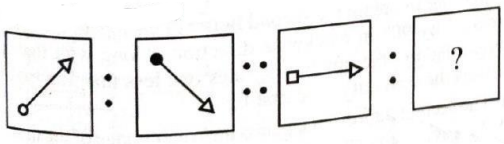
Ans – (c)

20.

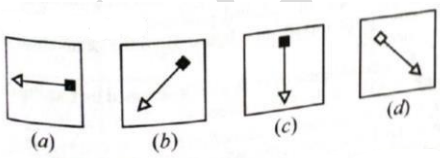


Ans – (a)

21. Question figures.



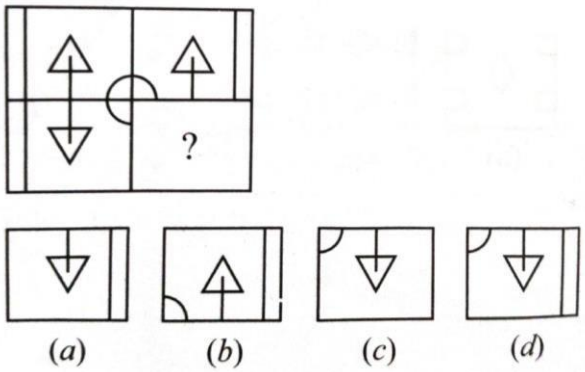
Answer figures.



Ans – (c)

Which answer figure will complete the pattern in the question figure?

22.



Ans – (d)

23. How many rectangles are there in the given figure?

(a) 7 (b) 8 (c) 9 (d) 10

24. What should come in place of the question mark in the following question?

ZXVT : ACEG : : SQOM : ?

(a) IKMO (b) JLMO (c) FHJL (d) HJLN

25. In the following question arrange the given words as per the reverse order in the dictionary.

(1) Third (2) Thirst (3) Thick (4) Thought (5) Think

(a) 4, 2, 1, 5, 3 (b) 2, 5, 1, 4, 3 (c) 3, 5, 1, 4, 2 (d) 2, 1, 5, 3, 4

26. What should come in place of the question mark in the following question?

Yard : Inch : Quart : ?

(a) Gallon (b) Ounce (c) Milk (d) Liquid

27. Out of the words given below in three pairs bear a certain common relationship. Choose the pair inwhich the words are differently related.

(a) Often: Seldom (b) Fresh : Stale (c) High : Up (d) Past : Present

28. If in a certain language PARROT is written as 123345 and SOAT is written as 6425 then how would ROAST be written in that code?

(a) 34625 (b) 32564 (c) 32456 (d) 34265

29. Choose the correct alternative from the given options that will complete the series.

20, 30, 42, ?

(a) 64 (b) 56 (c) 62 (d) 54

30. Choose the correct alternative.

JK _ MJ _ LM _ KL _ ?

(a) LKLM (b) LKJM (c) LMLJ (d) LMJK

31. In each of the following questions arrange the given words as per order in the dictionary.

(1) Pristine (2) Printer (3) Previous (4) Prevent (5) Priority

(a) 2, 1, 3, 4, 5 (b) 3, 4, 1, 5, 2 (c) 4, 3, 2, 5, 1 (d) 1, 5, 2, 3, 4

32. Choose one word which can be formed from the letters of the given word.

MEASUREMENT

(a) SUMMIT (b) ASSURE (c) MASTER (d) MANTLE

33. If A means ÷ ; C means ×, B means – and D means +, then find the value of the following equation.

1 6 D 6 4 A 4 B 4 C 3 = ?

(a) 20 (b) 15 (c) 9 (d) 17

Arrange the following words in a logical and meaningful order:

34. (1) Golden (2) Silver (3) Platinum (4) Diamond

(a) 1, 2, 3, 4 (b) 2, 1, 4, 3 (c) 3, 4, 2, 1 (d) 4, 1, 2, 3

35. (1) Elephant (2) Parrot (3) Fox (4) Buffalo (5) Whale

(a) 1, 3, 5, 4, 2 (b) 2, 5, 1, 4, 3 (c) 3, 2, 4, 1, 5 (d) 2, 3, 4, 1, 5

36. A, B, C and D are climbing a ladder. C is standing ahead of D, A is standing between B and D. Whois standing at the second place from the bottom?

(a) A (b) B (c) C (d) D

37. A man walks from A point towards South. He turns towards his right and after walking a certain distance, he again turns towards his right. In which direction is he walking now?

(a) South (b) North (c) West (d) East

38. X travels 5 km north, turns right and covers 2 Km. He then turns right and travels 5 Km. In which direction is he going?

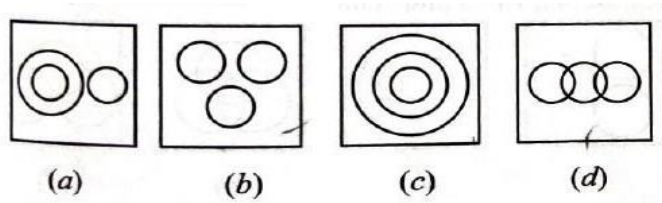
(a) North (b) East (c) West (d) South

39. The sum of ages of mother, daughter and son is 87 years. What will be the sum of their ages after 8 years.

(a) 102 years (b) 105 years (c) 108 years (d) 111 years

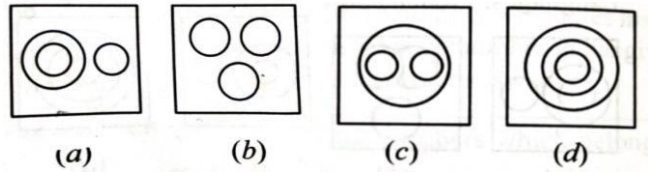
Identify the diagram that best represents the relationship among classes given below.

40. Earth, Sea and Sun



Ans – (a)

41. Which of the following diagrams indicate the best relation between India, Haryana and world.



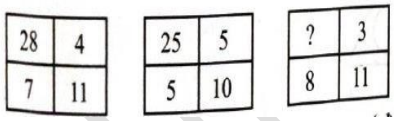
Ans – (d)

42. Which letter replaces the question mark?

(a) M (b) K (c) J (d) P

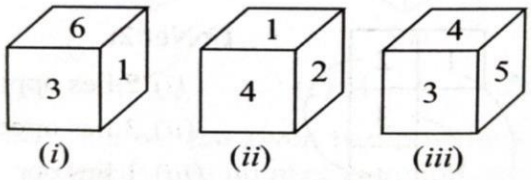
Find the missing number/ letter in each case.

43.



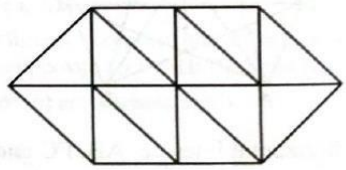
(a) 25 (b) 28 (c) 22 (d) 24

44. Three positions of a cube are shown below. What will come opposite to face containing '5'?



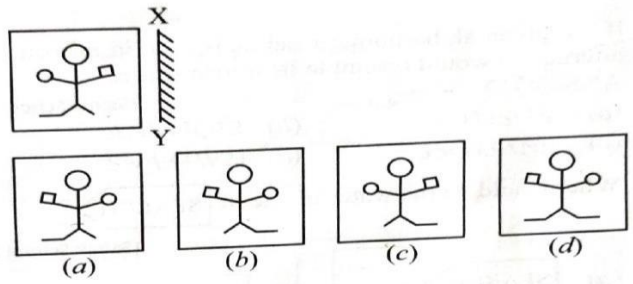
(a) 6 (b) 1 (c) 3 (d) 2

45. Count the numbers of triangles present in the given figure?



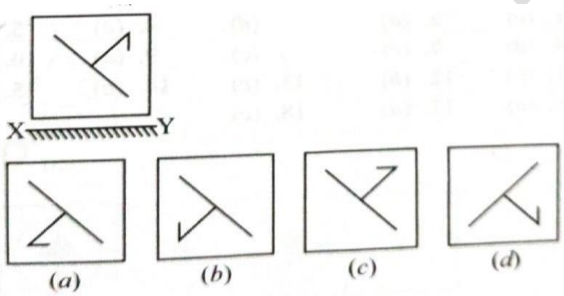
(a) 16 (b) 17 (c) 18 (d) 19

46. In each of the following questions. Choose the correct mirror images of the given question image?



Ans – (b)

47. Choose the correct water images of the given question image?

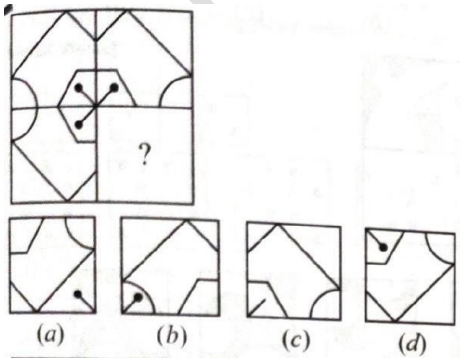


Ans – (d)

48. In a certain code language G is written S, L as A, A as O, O as N, N as E, E as G, H as L and S as H. How will HALOGENS be written in that code?

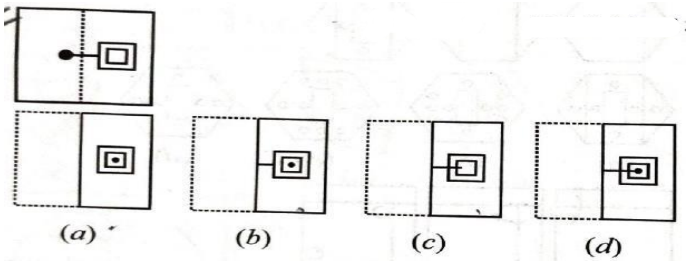
(a) LNAOSGEH (b) LOANSGEH (c) HOANSGEL (d) HOENSGAH

49. Which answer figure will complete the pattern in the question figure?



Ans – (d)

50. In the following problems, a square transparent sheet with a pattern is given. Figure out how the pattern would appear when the transparent sheet is folded at the dotted line, then choose the correct answer from the given alternatives.



Ans – (d)