

Section –A : mathematics

1. Simplify: $5\frac{7}{8} \div 3\frac{1}{4} \times 7\frac{5}{16} + 7/8$ of 16

2. Fill in the blanks :

(i) The number of sides in a quadrilateral is

(ii) The diameter is the chord of a circle.

3. How many 250 gm of salt packets can be made out of 12.25 kg of salt?

4. Add the 'difference' and 'sum' of largest and smallest 6 digit number.

(i) When the selling price of an article is less than the cost price, then the seller is in loss.

(ii) The difference between the place value of 6 and 4 in 868594327 is 59999996.

6. Find L.C.M. of the following: 39, 52, 65

7. A tin contains 6.5 kg of oil. How many such tins will be required to hold 175 kg of oil?

8. Rakhi bought $8\frac{1}{3}$ metre of cloth at the rate of Rs. 9 per metre. How much money would Rakhi have to pay?

9. Which of the following cannot be the three angles of the same triangle?

(a) $m\angle A = 90^\circ$, $m\angle B = 90^\circ$, $m\angle C = 20^\circ$

(b) $m\angle A = 68^\circ$, $m\angle B = 12^\circ$, $m\angle C = 100^\circ$

(c) $m\angle A = 45^\circ$, $m\angle B = 110^\circ$, $m\angle C = 25^\circ$

10. Replace each * with same number.

$$3 \quad * \quad 5 \quad 2$$

$$+ \quad 1 \quad 0 \quad 7 \quad *$$

$$+ \quad 5 \quad 4 \quad * \quad 2$$

$$+ \quad * \quad 7 \quad 3 \quad *$$

$$1 \quad * \quad 9 \quad 2 \quad *$$

11. Find the volume of a cuboid whose length is 1 m, width 25 cm and height 75 cm.

12. Subtract the sum of 1.549 and 2.381 from the difference of 3.152 and 9.342.

13. Rita purchased a watch for Rs.150 and sold it for Rs.135. Find the percentage of loss made by her.

14. Shyam purchased 2 kg 400 gm Dal, 1 kg 500 gm salt, 3 kg 50 gm tomato and 2 kg 250 gm potato, How much weight is he carrying?

15. A bus travels 38 km in first hour, 35 km in second hour, 52 km in third hour and 35 km in last hour. Find the average speed of the bus per hour.

16. Which football ground is bigger? 'A' measuring 125 m in length and 48 m in width or 'B' measuring 108 m in length and 72 m in width

17. The air fare from Delhi to Mumbai is 7800 plus 8% service tax. Find the total fare including service tax.

18. Find the largest 4 digit number which is exactly divisible by 66.

19. Find the circumference of a circle whose diameter is 7 cm.

20. Ram is late for Raman's birthday party. He cycles at a speed of 200 m/minute. How long will he take to reach Raman's house which is 1.2 km away?

21. A boy gets Rs.3 for every 2 correct aims and loses Rs.0.50 for every aim he misses. In a game of 10 trials he missed 3 times. How much amount he or will get?

22. (i) A lift can carry 28 children or 14 men. How many children can be taken with 10 men?

(ii) An aeroplane travels 2848 km in 8 hours. How long will it take to fly 1683 km?

23. Ashok borrowed a sum of Rs.1650 from Ramesh at the rate of 8% per annum. He returned the money after 1 year and 6 months. How much has he paid to Ramesh?

24. Find the length of the side of a square whose area is equal to the area of a rectangle which has its length 48 m and width 12 m?

25. A shopkeeper purchased an old cycle for Rs.1250 and spent 20% on its repair and sold it for Rs.1650. Find the percentage gain or loss.

26. The length of a rectangular field is double of its width. Find the perimeter and area of the field if the width is 20

27. Find the simple interest on Rs.1400 for $5\frac{1}{2}$ years at the rate of 9% per annum. Also find the total amount.

28. Two boxes are bought for Rs.140 each and first box is sold at a loss of 10% and the other at 8% profit. Find the net loss or gain.

29. A person travels on a circular path and covers a distance of 44 m and returns to same point. How much distance he would have travelled if he passes through centre of the circular path and touches the opposite end?

30. Ram had Rs.40 with him. He gave Rs.16 to Lalit and Rs. 24 to Harish. In what ratio did he distributed the money?

PART-B: LANGUAGE ABILITY

1. Write 15 sentences on any one of the following topics:

(a) Children's Day

(b) My School

2. Prithvi Raj Chauhan was the last Rajput King who sat on the throne of Delhi. His cousin Jaichand was the king of Kannauj. Prithvi Raj was in love with Sanyogita, the daughter of Jaichand and the princess returned the love. But Jaichand was the deadly enemy of Prithvi Raj. He refused to give his daughter in marriage to him. Instead he ordered, "Let Sanyogita choose her husband at an open Swayamver !" All the princes except Prithvi Raj were invited to this grand Swayamvar.

(a) Who was Prithvi Raj Chauhan?

(b) What is Swayamvar?

(c) Whose daughter was Sanyogita?

(d) Why did Jaichand ordered for Swayamvar?

(e) Who was not invited for Swayamvar?

3. Re-write the following sentences by changing Genders and making other necessary changes, if needed:

(a) The king is sitting with his nephews.

(b) He did not marry and remained bachelor all his life.

(c) The poet was honoured for his great service to the nation.

(d) A shepherd rears sheep and goats and leads a hard life.

(e) The Jew was a miser and did not lend his money to anyone.

4. Re-arrange the group of words given below into meaningful sentences:

(a) Cage, the, escaped, from, parrot, the

(b) Apples, I, you, gave, my, sell, to

(c) No, I, interested, with, in, playing, you, am, longer

(d) Want, I play, to, football, him, with

(e) Babloo, in, his, succeeded, building, home

5. Use the following in sentences to show the difference.

(a) except, accept (b) brought, bought

(c) peace, piece (d) male, mail

(e) week, weak

6. Write the corresponding Adjectives to the following words:

(a) Success (b) Beauty

(c) Cheer (d) Comfort

(e) Excite (f) Dare

(g) Darkness (h) Raise

(i) Hate (j) Noise

7. Replace the following sentences by one word :

(a) One who does not eat meat

(b) A person who stitches cloths.....

(c) A person who does not belong to the country.....

(d) A person who distributes the post

(e) Large area of land that is thickly covered with trees

8. Change the following sentences as directed :

(a) She is a good player (Make Interrogative)

(b) Were you a naughty boy? (Make Negative)

(c) Is your father not going to Agra?

(Make Positive)

(d) Meera has a new book. (Make Interrogative)

(e) Hari reads the Ramayan. (Make Negative)

9. Fill in the blanks with the words opposite to that of given in brackets :

- (a) How flower it is? (ugly) 6. 16, 27, 49,93, ? ! !
(b) You must maintain in the library. (a) 175 (b) 171
(noise) (c) 181 (d) 185
(c) Every mother looks.....carefully. 7. 4, 11, 32, 95, ?
(before) (a) 284 (b) 184
(d) He has a very.....voice. (sore) (c) 174 (d) 274
(e) Did the police the chief? (leave) 8. 53, 44, 35, 26, ?

PAPER-II: INTELLIGENCE TEST

Directions (Qs. 1 to 9): Which of the given options

will complete the series.

1. OPIOPMOPROP?

- (a) V (b) Q
(c) W (d) X

2. MMOPMMRSMU?

- (a) W (b) X
(c) M (d) v

3. PQOMNLJKIG?

- (a) E (b) D
(c) H (d) F

4. VUTEFGSROHIJPO?

- (a) N (b) L
(c) M (d) K

5. 90, 75, 60, 45, ?

- (a) 30 (b) 35
(c) 20 (d) 25

(a) 17 (b) 15

(c) 19 (d) 14

9. BCAYZXEFD?

- (a) V (b) W
(c) U (d) R

Directions (Qs. 10 to 14): Write the correct choice in the given empty box.

10. Army is to soldier as Galaxy is to

- (a) Planets (b) Satellites
(c) Stars (d) Meteors

11. Infant is related to child as Girl is to AS

- (a) Mother (b) Aunt
(c) Sister (d) Woman

12. Hydrogen is a Gas as is a liquid.

- (a) Diamond (b) Nitrogen
(c) Mercury (d) None

13. Rectangle is to square as Ellipse is to-

(a) Rhombus (b) Circle bobo

(e) Cream

(c) Triangle (4) (d) Hexagon

21. (a) Pistol (b) Sword

14. Sri Lanka is to Colombo as India is to

(c) Gun (d) Rifle

(a) Asia (b) Neighbour

(e) Cannon

(c) Delhii (d) Capital

22. (a) Geometry (b) Algebra

Directions (Qs. 15 to 23): In the following question spot the odd-one out.

(c) Trigonometry (d) Mathematics

(e) Arithmetic

15. (a) Gangtok (b) Singhbhum

23. (a) Poland (b) Greece

(c) Hyderabad (d) Chennai

(c) Spain (d) Italy

(e) Bhubaneshwar

(e) Korea

16. (a) Sun (b) Moon

Directions (Qs. 24 to 30) : Write the choice of the correct code.

(c) Star (d) Mars

24. If ATLAS is coded as ZGOZH, then NEW will be coded as-

(e) Universe

(a) MDV (b) MVD

A baboo oi DESTITS

(c) NDV (d) DVM

17. (a) Diamond (b) Heart

(e) None

(c) Bridge (Game of Cards)

(d) Spade (e) Club

25. If NEARER is coded as AENRER and SYSTEM is coded as SYSMET, then MOTHER will be coded as

18. (a) Metre (b) Furlong

(c) Yard (d) Mile

(e) Acre

(a) REHTOM (b) OMHTRE

19. (a) Curve (b) Diagonal

(c) TOMREH (d) HTOMRE

(c) Tangent (d) Radiuses

(e) None

(e) Diameter

26. Numbers are given in the first line and letters are given in the second. Numbers are the code for letters and letters are codes for numbers.

20. (a) Curd (b) Butter

(c) Oil (d) Cheese

Numbers 4 5 6 7 8 9

Letters K L M P Q R

Then KM57RQ will be coded as-

- (a) 46LP98 (b) 64LP8
(c) 46PL98 (d) 64PL98
(e) None

27. If 1234 is coded as AbCd, then 5678 will be coded as-

- (a) EFGH (b) EFgH
(c) EfGh (d) EgH
(e) None

28. If COME is coded as DPNF, then HELLO will be coded as

- (a) IFKKN (b) IFMMP
(c) IDKKN (d) IFMMN
(e) None

29. If TEAM is coded as VGCP, then LIFE will be coded as

- (a) NIGE (b) NKHH
(c) NKHG (d) NLIH
(e) None

30. If 1234 is coded as BADC, then 5678 will be coded as-

- (a) EFGH (b) DGFI
(c) FEHG (d) FGHI
(e) None

Directions (Qs. 31 to 36): Figure 'P' has some relationship with figure 'Q' figure 'R' has the same relationship with one of the four choice figures (a), (b), (c) and (d). Choose the correct figure.

31.

(P) (Q) (R) (S) (a) (b) (c) (d)

32.

(P) (Q) (R) (S) (a) (b) (c) (d)

33.

(P) (Q) (R) (S) (a) (b) (c) (d)

34.

(P) (Q) (R) (S) (a) (b) (c) (d)

35.

(P) (Q) (R) (S) (a) (b) (c) (d)

36.

(P) (Q) (R) (S) (a) (b) (c) (d)

Directions (Qs. 37 to 44): Write the choice of the figure which will come next in the series.

37.

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

38.

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

39.

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

40.

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

41.

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

42.

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

43.

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

44.

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

Directions-(Qs. 45 to 50) : Which figure does not belong to the same class as the others?

45.

(a) (b) (c) (d) (e)

46.

(a) (b) (c) (d) (e)

47.

(a) (b) (c) (d) (e)

48.

(a) (b) (c) (d) (e)

49.

(a) (b) (c) (d) (e)

50.

(a) (b) (c) (d) (e)

