

1. Which one is bigger 29% of 144 or 19% of 200?

2. Find the gain or loss on an article whose cost price is Rs.140 and selling price is 160.

3. Calculate the interest-

(a) On Rs.5000 at 8% p.a for 1 year.

(b) On Rs.900 at 7% p.a for 5 years

4. Simplify- $2\frac{1}{2} + 3\frac{5}{7} \times 7/13 - 1/3 \times$

5. Divide 0.192 by 12.

6. (a) Can there be two right angles in a triangles.

(b) Can there be two obtuse angles in a triangle.

(c) Can there be one obtuse angle and one right angle in a triangle.

7. Find true or false in each of the following questions-

(a) A line is not of a definite length.

(b) A line has no end points.

(c) A line cannot be drawn on a paper but it can be represented by a picture.

8. What should be added to 28910 so that the sum may be 47909?

9. Find the square root of 0.09.

10. Area of a circle is 154 sq. cm. Find its radius and circumference :

11. Convert 11/200 into percentage-

2. Fill in the blanks

(a) Reciprocal of $11/5 = \dots$

13. If Kamla borrows Rs.400 for 3 years at the rate of 8% per annum, how much total interest will she have to pay?

14. Volume of a cube is 512 sq. cm. What the length of its one edge?

15. The area of a rectangle 12 sq. cm. If its length is 4 cm, what is the breadth of the rectangle?

16. Vimla has 7.5 metres long ribbon. She wants to divided it into equal parts with Kamla. How much each will have?

17. A soapcake is 7 cm long 5 cm broad and 2.5 cm high. How many soapcakes can be kept in a card-board box of length 56 cm, breadth 49 cm and height 25 cm?

18. Ramesh spends 15% of his income on house rent and 20% on food. If his monthly income is Rs.7000, then how much total money does he spends on his house rent and food?

19. Rahim covers a distance of 108 km at a speed of 15 m/sec by car. How many hours will he take to cover this distance?

Directions (Qs. 20 to 22): Fill in the blanks.

20. (a) Half of circle is called

(b).....is the largest chord of a circle.

21. (a) Angle which is less than 90° is called

(b) Angle which is equal to 90° is called

(c) Angle which is more than 90° is called

22. (a) The space occupied by a solid is called its

(b) Solid and hollow pipes of same size have volumes.

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PAPER-1: MATHEMATICES, GK, AND LANGUAGE

PART=B: LANGUAGE ABILITY

23. What is the cost of carpet whose length is 5 m and breadth is 3 m, if its cost per square metre is Rs.10?

24. If a train starting from New Delhi to Govindpuri, covers a distance of 440 km in 5 hrs and 30 mins, what is the speed of the train?

25. An alloy contains 15% Zinc, 25% brass and rest copper. How much copper is there is 75 kg of that alloy?

26. Kumar has bought following items from Rama Provision Store, New Delhi on 5.1.2000

(a) 5 kg rice at Rs.14 per kg

(b) 1 kg Moongdal at Rs.29 per kg

(c) 3 kg mustard oil at Rs.58 per kg

According to the information given above prepare a bill. How much total money will Kumar have to pay?

27. Conyert the following celcius temperatures into Farenheit temperature

(a) 30°C (b) 20°C

(c) 40°C (d) 100°C

28. In a school there are 29, 43, 38, 26 and 34 children respectively in classes from I to V. Each student of the school gives Rs.10 for school function. How much total money will be collected?

29. Four buckets have milk 8 litre, 9 litre, 11 litres and 12 litres respectively. A milk man wants to distributess milk equally into 2 parts in a hotel without the help of a measuring utensil. How will he distribute it?

30. The length, breadth and height of a soapcake are 7 cm, 5 cm and 2.5 cm respectively. How many such soapcakes can be put in a card board box of length, breadth and height 56 cm, 40 cm and 25 cm respectively?

Directions: Read the following passage carefully and answer the questions that follows-

1. Distance in large cities are long. All the people do not have their own means of transport. They have to depend upon the state or private buses. The number of bus users is very large. Every bus stop is therefore, crowded. The number of buses is not adequate. Thus people suffer the torture of long wait at the bus stop. Some bus stops are quite orderly. People form queues and get in the buses turn by turn. However, after this order is forgotten and confusion spreads when the bus comes and the law of jungle prevails.

(a) What happens when the people do not have their own means of transport?

(b) Why are the bus stops crowded?

(c) What happens when the bus comes at the bus stop?

(d) From the passage find and write opposite word of 'order'.

(e) What does the word 'adequate' mean in the passage? Tick () the correct answer.

(i) much (ii) proper

(iii) sufficient (iv) just

2. Complete the sentences by giving correct word out of the words given below-

fox, block, galaxy, pile, wolf, mule, deer

(a) A of stones.

(b) A of stars.

(c) As stubborn as a

(d) As shy as a ...

(e) As hungry as a

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3. Rewrite the following sentences changing the Gender of the Noun and making other changes if needed

- (a) The bull ran at a fast speed
- (b) The dog is barking
- (c) The king loves his white horse
- (d) My nephew lives in London
- (e) The male bird flew away

4. Pair each Adjective with the Noun it most suitably describes-

mountain, building, water, fix, fruit, light, person.

- (a) quick
- (b) humorous
- (c) bright
- (d) magnificeni
- (e) ice cold

5. Write 15 sentences on any one of the following topics-

- (a) My Aim in Life
- (b) Our National Flag

6. Rearrange the group of words given below into meaningful sentences-

- (a) dress, he, about, his, keen, is, very,
- (b) rubber, are, of, these, made, shoes,
- (c) playing, fond, children, of, are
- (d) the, knocking, who, at, door, is ?
- (e) late, he, bus, the reached, stop

7. Make your own sentences using the bold words in the following paragraph-

An aimless life is worthless life. A man who has no aim of life is like a ship without a destination. His life would be meaningless to him and useless to others. An aim in life gives direction to a man.

8. Fill in the blanks with such Adjectives as are opposite to those given in brackets

- (a) The man got the of his house decorated (Interior)
- (b) He came in the class in Physics. (first)
- (c) Do not cut fruit with a knife. (sharp)
- (d) Let us drink water. (pure)
- (e) There are two boys in our class. (dull)

9. Fill in the blanks with the correct form of verb given in the brackets

- (a) I a letter to you yesterday. (had written/ wrote)
- (b) Did the police the thief. (catch/caught)
- (c) It raining since 2 o'clock (is, has been)
- (d) I for Bombay tomorrow. (shall leave/ leaving)
- (e) He in Delhi for ten years. (lives/has lived)

10. Change each of the following sentences as directed

- (a) He got into the running bus. (make 'interrogative')
- (b) He loves reading. (make 'negative')
- (c) Shyam is not in the habit of smoking. (make 'positive')
- (d) Radha has played the game. (make 'interrogative')

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(e) Is he going to school today? (make "negative)

(e) Research papers

PAPER-II : INTELLIGENCE TEST

Directions (Qs. 1-15): Which one is the odd in each of the following questions?

1. (a) Water (b) Lemon juice

(c) Jelly (d) Coffee

(e) Milk

2. (a) Tea (b) Coffee

(c) Milk (d) Pizza

(e) Coke

3. (a) Duck (b) Pigeon

(c) Parrot (d) Crow

(e) Owl

4. (a) Venus (b) Pluto

(c) Moon (d) Mars

(e) Earth

5. (a) Nose (b) Eye

(c) Skin (d) Tongue

(e) Tooth

6. (a) Nilgiri Hills(b) Aravali Hills

(c) Satpura Hills (d) Rai Hills

(e) Shivalik Hills

7. (a) Knee (b) Palm

(c) Shoulder (d) Elbow

(e) Molar Teeth

8. (a) Novel(b) Magazine

(c) Comics (d) Dictionary

9. (a) Swimming(b) Running

(c) Sitting(d) Slipping

(e) Flying

10. (a) Friend(b) Mother

(c) Brother(d) Father

(e) Sister

11. (a) Ginger(b) Carrot

(c) Spinach(d) Beet

(e) Potato

12. (a) Root (b) Tree

(c) Flower(d) Fruit

(e) Branch

13. (a) Polo (b) Ludo

(c) Chess(d) Playing cards

(e) Carrom

14. (a) Scooter (b) Car

(c) Transportation(d) Train

(e) Truck

15. (a) Jaipur (b) Lucknow

(c) Mumbai(d) Patna

(e) Tripura

16. Z, X, V, T, R

(a) O, K (b) N, M

(c) K, S (d) M, N

(e) PN

17. C3, E5, G7, 19.....

(a) X24, M21 (b) K14, M18

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(c) K11, M13 (d) M18, K14

(a) NM (b) BC

(e) K10, N13

(c) PQ (d) KL

18. AAZ, BBY, CC....

(e) ST

(a) Y (b) D

25. A, E, I, M, Q.....

(c) Z (d) X

(a) T (b) U

(e) C

(c) V (d) W

19. B, E, I, N,

(e) X

(a) S (b) D

Directions (Qs. 26 to 30): Code-Decoding.

(c) T (d) X

26. If the code of 'BOMBAY' is 'CNNABX' then what will be code of 'DELHI'?

(e) Z

(a) EDMGJ (b) EGMGJ

20. 6F, 7G, 9I, 12L,

(c) FDMGH (d) EDMIJ

(a) 13M (b) 16P

(c) 17Q (d) 14N

27. If the code of 'CHAIR' is 'FKDLU' then what will be the code of 'TABLE'?

(e) 15O

(a) WDEOH (b) WEDOH

21. 1, 6, 12, 19, 27,

(c) VDEOH (d) WDOEH

(a) 38 (b) 36

28. If the code of 'BAD' is 7. The code of 'HIS' is 36, then what will be the code of 'LOW'?

(c) 35 (d) 54

(a) 50 (b) 8

(e) 34

(c) 23 (d) 5

22. 8, 48, 16, 96, 32,

(a) 192 (b) 150

29. If the code of OUT is 7. 152120, then what is the code of 'IN'?

(c) 64 (d) 288

(a) 1015 (b) 819

(e) 129

(c) 1813 (d) 5

23. K....

30. In a code if JUNE is written as NXPF, then what will be the code of STAY?

MK....LM KL....KK....MK

(a) WW CZ (b) WY CZ

(a) L, K, L, M (b) L, K, M, K

(c) WW DB (d) WW ZC

(c) L, K, M, M (d) L, K, M, L

(e) L, K, K, M

Direction (Qs. No. 31 to 50): Which figure does not belong to the same class as the other?

24. XW, DC, CB,



