Time: 2 hrs   Max Marks: 200

INSTRUCTION

1. This question paper contains two parts and you have to answer all the questions in both the parts.
2. Part 'A' – Mathematical Knowledge Test has three sections containing 30 question. Q. No. 1 to 10 carry 2 marks each, 11 to 20 carry 3 marks each and 21 to 30 carry 5 marks each.
3. Part 'B' – Language Ability Test contains 9 questions. Q No. 1 and 2 carry 15 marks each and remaining questions carry 10 marks each. In this part you can write your answers in any one of the chosen language only.
4. Write your answers with blue or black ink/ball pen. Do not use pencil.

PART 'A' : MATHEMATICS (Each question carries Two marks)

Marks : 100

1. Find $\frac{5}{7}$ of $2\frac{1}{3}$ kg.
2. What should be added to 21.707 to get 29.053?
3. Find the square root of 0.0625.
4. Divide 1.36 by 0.4.
5. The cost of 103 chairs is Rs. 29335, find the cost of 1031 chairs.
6. Find the value of $3\frac{1}{2} \div 2\frac{1}{14} \times \frac{1}{2} + \frac{4}{5}$.
7. Arrange the following in ascending order.
   7.275,   7.305,   7.265,   7.432,   7.135
8. Find the surface area of a cube of side 6 c.m.
9. Madhubala purchased 15 books for Rs. 180. If she purchases 20 more books then how much total amount she has to pay?
10. Find $\frac{4}{9}$ of $5\frac{2}{3}$.

SECTION - II (Each question carries Three marks)

11. Simplify: $\left\{(2 - \frac{1}{3}) + [\frac{2}{3} \times 1\frac{1}{4}]\right\} \div \frac{3}{7}$ of $2\frac{5}{8}$
12. Find simple interest on Rs. 975.60 for 9 months at 10% p.a.
13. Find the cube of the following. $\frac{3}{5} + \frac{1}{5} + \frac{2}{5} \div \frac{1}{5} - \frac{1}{5}$
14. A park of 15 m. 30 c.m. length and 12 m 20 c.m. breadth is to be surrounded by 4 layers of barbed wire. Find the length of barbed wire required.
15. A number is multiplied by $\frac{7}{5}$ what is the percentage increase in it?
16. Divide Rs. 345.45 in the ratio $1\frac{1}{2} : 1\frac{1}{3} : 1\frac{1}{4}$
17. A litre of petrol costs Rs. 46.75 and a litre of diesel costs Rs. 34.16. Find the total cost of 600 litres of diesel and 100 litres of petrol.
18. A car travels 58 km in the first hour, 62 km in the second hour, 75 km in the third hour. Find the average speed of the car.
19. Subtract the difference of 8.362 and 7.942 from the sum of 5.675 and 1.327.
20. A man can finish a piece of work in 12 days when he works 8 hours a day. In how many days will he finish the piece of work if he works 6 hours a day?

SECTION - III (Each question carries 5 marks)

21. The average age of 25 students of a class is 13 years. Out of them the average age of 15 students is 18 years. Find the average age of remaining students.
22. Find the length of a tunnel which a man traveling by train can cross in $5\frac{1}{2}$ minutes. The speed of the train is 40 km/h.
23. An ore contains 16 % zinc. How many kg of ore will be required to get 36 kg of zinc?
24. Simplify: $1 \div \frac{3}{7}$ of $(6 + 8 \times \overline{3 - 2}) + \left[(\frac{1}{5} \div \frac{7}{25}) - \{\frac{3}{7} + \frac{8}{14}\} \right]$
25. Find the least number which when divided by 30, 36, 56 and 63 leaves 8 as a remainder in each case.
26. Find the value of X.
    (a) $\frac{1}{9} : X :: \frac{1}{3} : \frac{1}{4}$
    (b) $X : 1.6 :: 2.1 \ 8.4$
27. A sum of Rs. 480 is distributed to two persons A and B in the ratio of 3 : 5. Find the share of A and B.
28. A man went to the market for shopping. He bought 2.300 kg of spices, 3580 kg of fish, 800 gms of tamarind, 950 gms of carrot and 0.250 kg of green chilly. Find the total weight of the items purchased. Express the result in grams only.
29. A man spends 10% of his monthly income on house rent and 30% of it on food. Find how much is left for other expenses if his monthly income is Rs. 10000.

30. Draw a circle with radius 4 cm with the help of compass. Also draw the following:
    (a) Its diameter AB
    (b) Minor segment of the circle
    (c) An angle of 30° at the center
    (d) A chord CD

PART 'B' - LANGUAGE

(QUESTION NO 1 AND 2 CARRIES 15 MARKS EACH AND REMAINING QUESTIONS CARRY 10 MARKS EACH)

1. Write 15 sentences on any one of the following topics.
   (a) Republic Day
   (b) Our National Flag.
2. Read the following passage carefully and answer the questions that follow:
   Few animals are as useful or as unpopular as the goat. From ancient times, it has supplied people with milk and meat. Its skin has been made into leather and the wool of some breeds woven into soft, warm cloth. Goats are hardly creature and can live on the green reamins of a thorny bush or a poor grassland. Nevertheless, they have always had a bad reputation. Perhaps this is because the billy goats (Males) often have a bad temper and a strong, unpleasent smell. Goat also do serious damage to young trees and other plants and quickly reduce lush grazing land to barren wasteland. For it size, the goat provides man with more useful things than almost any other animal yet it often does not receive the food and care given to other animals. The goat will try to eat anything and will put up with the most uncomfortable surroundings. But if it is well fed and carefully housed, the goat will produce much better milk, flesh and wool.

   (a) How is goat a useful animal?
   (b) Why do the goats have a bad reputation?
   (c) What damage is caused by the goats to grazing lands?
   (d) How can the goats produce better milk, flesh and wool?
   (e) Give meaning of the following words:
       (i) Ancient
       (ii) Barren
3. Fill in the blanks by using correct form of verb given in bracket:
   (a) My brother often _____ (go) to see English films.
   (b) Our school _____ (begin) with prayer everyday.
   (c) We _____ (drink) coffee for breakfast yesterday.
   (d) Radha _____ (buy) a new saree last month.
   (e) Ashoka _____ (decide) to give up war and became a Buddhist.
4. Fill in the gap in the following sentences by using appropriate article:
   (a) The Mount Everest is _____ highest peak in the world.
   (b) You know _____ man by the company he keeps.
   (c) _____ Ganges has overflowed its banks.
   (d) Honesty is _____ best policy.
   (e) _____ apple a day keeps doctor away.
5. Give one word substitue for the following:
   (a) Place where books/magazines/newspapers are kept for readers.
   (b) Place where wild animals/birds are protected and kept for public to see.
   (c) Place where vehicles are repaired/serviced.
   (d) Place where fish are kept in glass containers for public to see.
   (e) Place where objects of artistic, cultural and historical interest are kept for public display.
6. Do as directed:
   (a) I am loved by her. (Change into Active Voice)
   (b) I am reading a book. (Change into Passive Voice)
   (c) Sita said, "I am unwell". (Change into Indirect speech)
   (d) They are flyin kites. (Change into Interrogative sentence)
   (e) The students were sleeping in the class. (Change into Negative sentence)
7. Re-arrange the following words and phrase to form meaningful sentecnes:
   (a) Important / it/ is / to observe / rules / traffic.
   (b) drive/children / below / of / the age/ must not/ eighteen years.
   (c) protection/our/ we/must / helmets/ own/ wear / for
   (d) phones/ must / used / not / mobile / be / driving / while
   (e) traffic police / making / efforts / is / to increase / on the roads / safety
8. Re-write the following sentences by changing the gender:
   (a) My father is writing a letter
   (b) Cow is grazing in the field
   (c) King is loved by all
   (d) He is poor worker
   (e) I saw a horse on the road
9. Fill in the blanks with words that are opposite in meaning to those given in the brackets:
   (a) A basket is kept _____ the table (under)
   (b) This tree is very _____ (short)
   (c) Iron is a _____ metal (soft)
   (d) Child is _____ in the lap of mother (crying)
   (e) It's not a _____ question (difficult)