

**PRE SECONDARY SCHOLARSHIP EXAMINATION (Std. 8<sup>th</sup>), FEBRUARY 2025**

**Seat No.**

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**Set**



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**Paper No. I**

**Time : 11:00 to 12:30**

**Medium : English**

**Total Marks : 150**

**First Language and Mathematics**



**Pages : 16**

**Read the following instructions carefully before you answer the questions.**

- (1) This question paper contains **two** sections. In Section **I** there are **1** to **25** questions of First Language and in Section **II** there are **26** to **75** questions of Mathematics. All **75** questions are compulsory.
- (2) All questions carry **2** marks each.
- (3) Time limit to solve the question paper is **90** minutes.
- (4) Separate answer sheet is given to record the answers. Each question has been given four alternatives. Read them carefully. Select and darken the correct answer in the answer sheet.  
For Example :- If the correct alternative for Q. No. **6** is **2**, then record your answer as follows :  
Question No. **6** - ① ● ③ ④
- (5) Maximum 20% questions are having two correct alternatives. Candidate has to darken both the circles with correct answers. These questions will have the instruction '**Select two correct alternatives**'.  
For Example :- If the correct alternative for Q. No. **8** is **2 & 3**, then record your answer as follows :  
Question No. **8** - ① ● ● ④
- (6) Answer recorded in any other form will not be considered. Such answer will be credited with 'Zero' mark. ① ② ③ ④
- (7) Use blue or black ball pen to darken the circle. Circles darkened by pencil will not be credited.
- (8) Answer once recorded can not be changed.
- (9) The rough work is to be done in the space given under each page or on the last page of the question paper.
- (10) The exam has limited time, in case you are not able to solve a question, kindly solve the next question. In the end if time permits you can try to solve the unsolved questions.
- (11) If incomplete or wrong question found in a question paper, you are not permitted to ask the same to Supervisor or Centre Incharge.
- (12) School or parents should not send written application to Block Education Officer or Education Officer for any error, mistake or objection issues. These error / mistake / objection issues should be registered online through respective school login only.
- (13) The error / mistake / objection issues should be registered online within 10 - days from the publication of Interim answer key on MSCE website.
- (14) Suggestion and decision of expert committee will be applicable on printing or any other mistake in question paper.

**SECTION - I**

**ENGLISH**

01. Choose the correct alternatives for the following.  
Aniket and Ketki had their breakfast and lunch at the same time at 11.00 am. So we can say that they had their \_\_\_\_\_ that day.  
(1) food (2) lunch (3) dinner (4) brunch
02. Choose the correct option for the underlined word.  
Our Sanskrit teacher told us to write an extract on 'the usefulness of Mahisha'.  
What is the meaning of an underlined word.  
(1) Manisha (2) buffalo (3) month (4) wish
03. Choose a correct option.  
Society elected Sakshi a fellow at the age of 25, which is very remarkable thing.  
(1) a scholarship given by the royal society.  
(2) the money given the society.  
(3) a certificate given by society.  
(4) an award, title and honour given by the royal society.
04. Find out 2 correct antonyms for the given word.  
'Light'  
(1) many (2) stable (3) heavy (4) dark
05. Choose two correct alternatives of correct auxiliaries showing permission in the following.  
You \_\_\_\_\_ go now.  
(1) would (2) can (3) may (4) should
06. Choose the correct sentence by changing it into negative form.  
I was doubtful whether it was you.  
(1) I was not sure that it was you. (2) I was sure that it was you.  
(3) He was sure not that he was I. (4) He was not sure that it was him.

**SPACE FOR ROUGH WORK**

07. Identify the types of sentences by choosing the correct option.  
As it was begining to rain, we waited there for a while.  
(1) simple (2) interrogative (3) complex (4) compound
08. Find compound conjunctions form of the given sentence.  
I will forgive you on condition that you do not repeat the offense.  
(1) do not repeat (2) on condition that  
(3) will forgive you (4) that you do
09. Find out the error and choose the correct alternative for the following example of indirect speech.  
Ramesh said that he wants to be the soldier.  
(1) wants (2) said (3) that (4) to be

**Instructions for Q. 10 and Q. 11**

**Read the following news and answer the questions.**

**UNESCO adds two sites of India to the World Heritage List**

Report by Prashasti Kulkarni

This month, the United Nations Educational, Scientific and Cultural Organisation or UNESCO, added the Hoysala temples of Karnataka and Santiniketan, West Bengal to their list of World Heritage Sites.

These sites mark India's 41st and 42nd contribution to the list, the first being the Ajanta Caves of Maharashtra, added in 1983.

UNESCO uses a specific criteria to decide which place, monument or area to add to the list every year, which includes points ranging from the architectural beauty of a place to its cultural significance.

**UNESCO's World Heritage Sites of September 2023, India.**

As mentioned before, UNESCO added the Hoysala Temples of Belur, Karnataka and Santiniketan, West Bengal to the World Heritage list in September 2023.

10. Which another word is used in the above news for United Nations Educational, Scientific and Cultural Organisation.  
(1) Culture (2) UNESCO  
(3) World Heritage (4) United Nations

**SPACE FOR ROUGH WORK**

A	B
1. Ajanta Caves	a. West Bengal
2. Hoysala Temple	b. Maharashtra
3. Santiniketan	c. Karnataka

- (1) 1 - b; 2 - a; 3 - c
- (2) 1 - a; 2 - b; 3 - c
- (3) 1 - b; 2 - c; 3 - b
- (4) 1 - c; 2 - a; 3 - b

12. Which 'wh-word' is used to form the following sentence a question to get an underlined part as an answer.

The fox, the vulture and the Leopard took an oath of loyalty.

- (1) How (2) Where  
(3) Who (4) What

**13.** Identify the underlined word and choose the correct option.

Cocks crow in the morning.

- (1) conjunction                      (2) noun  
(3) verb                                (4) preposition

## SPACE FOR ROUGH WORK

**Instructions for Q. 14, Q. 15 and Q. 16**

**Read the poem and answer the questions.**

“I never can do it”, the little Kite said,  
As he looked at the others high over his head;  
“I know I should fall if I tried to fly.”  
“Try”, said the big Kite, “Only try!  
Or I fear you never will learn at all.”  
But the little Kite said, “I’m afraid I’ll fall”.  
  
The big Kite nodded: “Ah, well, good-bye;  
I’m off,” and he rose towards the tranquil sky.  
Then the little Kite’s paper stirred at the sight,  
And trembling he shook himself free for flight.

- 14.** Why was the little Kite afraid?
- (1) that he would be tired soon.
  - (2) to look down the earth.
  - (3) that he would Fall.
  - (4) that he would be caught by the birds.
- 15.** Which encouraging words the Kite said to the little Kite?
- (1) try, only try
  - (2) Fly, just fly
  - (3) rise, look high
  - (4) move, move around
- 16.** Who rose towards the sky?
- (1) little kite
  - (2) big kite
  - (3) birds
  - (4) clouds
- 17.** Choose the correct option of word-ladder of
- |              |
|--------------|
| Warm to Cold |
|--------------|
- (1) d, l, o, c
  - (2) c, o, l, d
  - (3) l, o, c, d
  - (4) d, c, o, l

**SPACE FOR ROUGH WORK**

18. Find out the odd man out from the given sentences regarding the parts of speech.
- (1) Life is not a bed of red roses.
  - (2) Speech is silver, but silence is golden.
  - (3) We must love good and hate ill.
  - (4) To err is human, to forgive is divine.
19. Choose the correct alternative for the underlined word.
- Rutu was ill. So she sent a message to her class-teacher. The class teacher replied, 'take care' - Which short form she might used for the underlined word.
- (1) TK
  - (2) TKE CRE
  - (3) TK CR
  - (4) TC
20. Choose the correct option to complete the slogan.
- \_\_\_\_\_ today, \_\_\_\_\_ tomorrow.
- (1) leaders, learners
  - (2) fact, dream
  - (3) learners, leaders
  - (4) elders, young

**Instructions for Q. 21, Q. 22 and Q. 23**

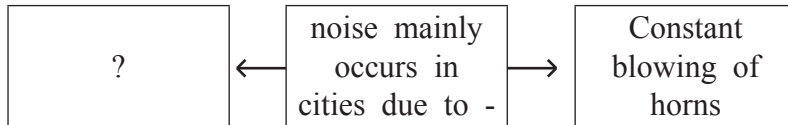
**Read the following extract and answer the questions.**

The sound which is soothing to ears come in the form of a melody. The song can be irritating when it comes with a very high pitch and severity. It is strange but true that noise too can cause pollution. It has been found that noise pollution can weaken our hearing. Noise pollution is extremely harmful to the patients and no wonder we find display boards near hospitals zones on which it is written. No horn, noise mainly occurs in cities due to constant blowing of horns of the vehicles and the use of loud speakers in public places. In commercial areas the noise level during day time is regularly over 100 decibels which is more than the permissible limits of 65 decibels.

21. What happens when song comes with a very high pitch and severity?
- (1) It can be pleasant.
  - (2) It can be irritating.
  - (3) It can be melodious.
  - (4) It can be soothing to ears.

**SPACE FOR ROUGH WORK**

22. Choose the correct alternative to complete the web.



- (1) chirping of birds (2) displaying of boards  
(3) use of loud speakers (4) lot of wind
23. What is the noise level in commercial areas during the day time?  
(1) below 100 (2) regular (3) below 65 (4) over 100

**Instructions for Q. 24 and Q. 25**

**Read the following write-up and choose the correct alternatives.**

The G-20 summit is an annual gathering of leaders from nineteen of the world's largest economics and European Union.

The Group of Twenty (G-20) was established in 1999, For the global economic co-operation and geopolitical stability.

During the summit, the leaders discuss various issues, including economic-growth, trade, climate change. They can have a significant impact on global economic and political developments.

24. Who discuss on various issues in G-20 summit?  
(1) leaders (2) professionals (3) farmers (4) experts
25. Why was the G-20 established? Choose 2 correct options.  
(1) For the global economic co-operation.  
(2) For entertainment.  
(3) For the political issues.  
(4) For the geopolitical stability.

**SPACE FOR ROUGH WORK**

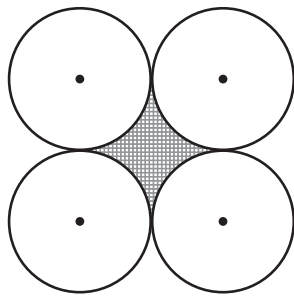
**SECTION - II****MATHEMATICS**

26. Find the difference between the compound interest and simple interest for 2 years on Rs. 10,000 at the rate 12 p.c.p.a.  
(1) 124                      (2) 120                      (3) 144                      (4) 240
27. Find the compound interest on Rs. 10,000 at the rate 10 p.c.p.a. for  $3\frac{1}{2}$  years.  
(1) Rs. 3975.50      (2) Rs. 3875.50      (3) Rs. 3795.50      (4) Rs. 3857.50
28. If 400 litre milk containing 11% fat is mixed with 600 litre milk containing 8% fat. What will be the percentage of fat in the mixture? (Select two correct alternatives)  
(1) 8.4                      (2) 9.2                      (3)  $\frac{46}{5}$                       (4)  $\frac{42}{5}$
29. If  $a^2 + b^2 = 325$  and  $a + b = 23$  and  $ab = 102$ . Find  $(a - b)$ .  
(1) 16                      (2) 18                      (3) 17                      (4) 11
30. A shopkeeper purchased 100 articles for Rs. 50 each. Two of them were damaged. He sold the remaining articles at Rs. 60 each. What was the percentage of profit or loss in the transaction.  
(1) 16.6% profit                      (2) 17.6% profit  
(3) 15.6% loss                      (4) 12.6% loss
31. Selling an article for Rs. 216 certain loss is incurred. But if it is sold for Rs. 300, the gain is  $2\frac{1}{2}$  times the incurred loss. What is the cost price of the article?  
(1) Rs. 400                      (2) Rs. 250                      (3) Rs. 350                      (4) Rs. 240
32. A farmer got dripping equipment set from Agricultural Department for Rs. 3,25,000 at 35% discount. What was the marked price of the equipment?  
(1) Rs. 5,00,000                      (2) Rs. 4,50,000  
(3) Rs. 5,50,000                      (4) Rs. 4,80,000

**SPACE FOR ROUGH WORK**



33.



In the adjoining figure radius of each circle is 3.5 cm. Find the area of the shaded portion.

- (1) 38.5 sq.cm.
- (2) 10.5 sq.cm.
- (3) 18.5 sq.cm.
- (4) 18.2 sq.cm.

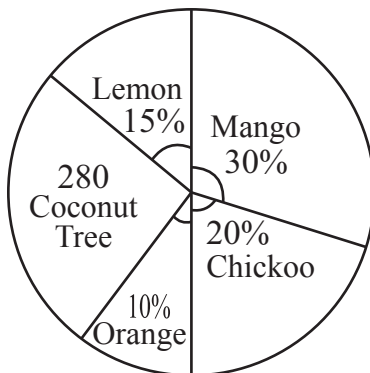
34. The mean of 25, 18,  $x$ , 20, 17, 20, 21, 25 is 21. Find the value of  $x$ .

- (1) 24
- (2) 20
- (3) 23
- (4) 22

35. Which term should be added to  $49x^2 + \frac{1}{49x^2}$  to make the expression a complete square. (Choose two correct alternatives.)

- (1)  $-2$
- (2)  $-14x$
- (3) 2
- (4)  $14x$

**Direction - Q. 36 and Q. 37.**



The following pie diagram represents number of fruit plants planted by a farmer. Observe the figure and select the correct alternative to answer the questions.

36. Find the total number of trees planted by the farmer.

- (1) 1120
- (2) 1020
- (3) 1220
- (4) 1040

37. Find the number of trees bearing multi-seed fruits.

- (1) 896
- (2) 504
- (3) 208
- (4) 616

**SPACE FOR ROUGH WORK**

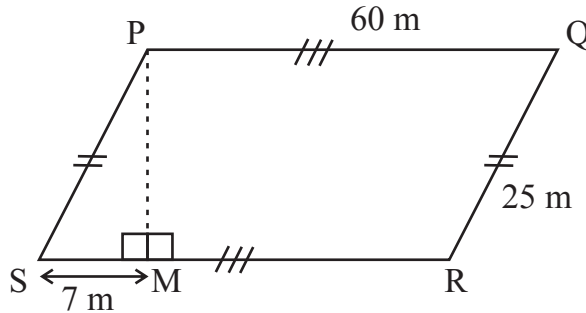
38. Solve  $\rightarrow (2x^2 + 5x - 8) + (7x^2 - 9x + 3) - (9x^2 - 4x - 6)$   
 (1) 0 (2)  $x - 1$  (3)  $x + 1$  (4) 1
39. Find the value of  $\frac{x^2 - 4}{x^2 + 3x - 10} \times \frac{x^2 + 2x - 15}{x^2 - x - 6}$   
 (1)  $(x - 2)$  (2)  $x + 5$  (3) 1 (4) 2
40. Write the degree of the product of the polynomials  $(16x^4 + 81)$ ,  $(16x^4 - 81)$   
 (1) 4 (2) 16 (3) 12 (4) 8
41. There are some birds in a sanctuary. One half of them are flying in the sky. One third are sitting on the tree and  $\frac{1}{8}$ th birds are pecking grains on the floor. The remaining 45 birds are swimming in the lake. Find the total number of birds.  
 (1) 1248 (2) 1040  
 (3) 1024 (4) 1080
42. The area of an equilateral triangle is  $100\sqrt{3}$  sq.cm. Find the perimeter of that equilateral triangle.  
 (1) 60 cm (2) 50 cm  
 (3) 48 cm (4) 81 cm
43. Find the quotient and the remainder when the polynomial  $(x^3 + 2x^2 - x - 2)$  is divided by  $(x + 2)$ . Choose the correct alternative.  
 (1) Quotient =  $(x^2 + 1)$  R = 1  
 (2) Quotient =  $(x^2 - 1)$  R = 2  
 (3) Quotient =  $(x^2 - 1)$  R = 0  
 (4) Quotient =  $(x^2 + x - 1)$  R = 0
44. The ratio of the ages of Anil and Sunil 4 years before was 4:5. Four years hence, the ratio of their ages will be 6:7. Find present age of Anil.  
 (1) 16 years (2) 20 years  
 (3) 24 years (4) 22 years

**SPACE FOR ROUGH WORK**

45. Find the value of  $7\frac{1}{2}$  hours + 8 hours 45 minutes + 5.25 hours.

- (1) 21 hours 00 minutes (2) 21 hours 20 minutes  
(3) 20 hours 30 minutes (4) 21 hours 30 minutes

46.



In the adjoining figure □ PQRS is a parallelogram. One of its side is 60 m. and other side is 25 m. If  $l(SM) = 7$  m. Find area of □ PQRS.

- (1) 1440 sq.m.  
(2) 1500 sq.m.  
(3) 1560 sq.m.  
(4) 1660 sq.m.

47. Find the capacity of a cubical tank having each side 1.5 m. (Select two correct alternative.)

- (1) 3375 lit (2) 4375 lit  
(3) 3.375 cubic m (4) 4.375 cubic m

48. A shopkeeper sold two articles for Rs. 1200 each. After selling he earned 20% profit on one article and suffered 20% loss on the other article. Find percent profit or loss in this transaction.

- (1) 4% profit (2) 6% profit (3) 4% loss (4) 6% loss

49. Find the value of  $\frac{(225)^2 - 1}{(15)^2 + 1}$

- (1) 224 (2) 226 (3) 326 (4) 225

50. Solve  $\rightarrow$  4 decam 5 m 7 decim + 5 decam 8 m 9 decim. + 2 decam 8 m 4 decim

- (1) 2.35 km. (2) 235 metre (3) 133 meter (4) 1.33 km.

**SPACE FOR ROUGH WORK**

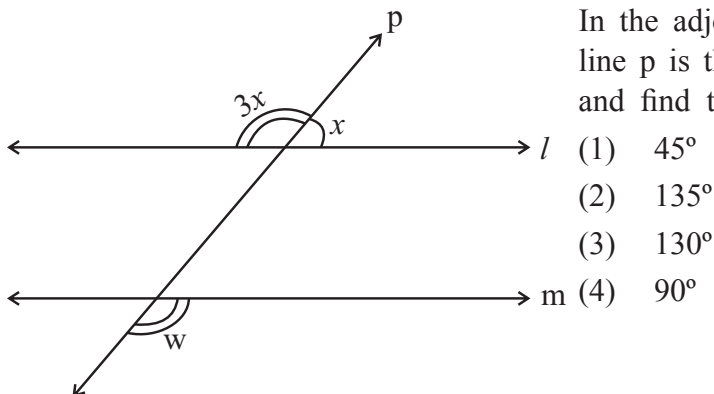
51. The difference between half circumference of a circle and its diameter is 4 cm. Find the area of the circle.  
 (1) 154 sq.cm. (2) 77 sq.cm. (3) 19.25 sq.cm. (4) 38.50 sq.cm.
52. The difference between the smallest natural number and the greatest negative integer is the square root of one of the following numbers given in the alternatives. Find the number.  
 (1) 2 (2) 1 (3) 4 (4) 9
53. Find the capacity of a cylindrical cement tank of water, if the diameter of the tank is 7m and height is 2m. (Select two correct alternatives.)  
 (1) 88 cubic m (2) 77 cubic m  
 (3) 88000 litres (4) 77000 litres
54. Find the additive inverse of the product of multiplicative inverse of  $\frac{65}{57}$  and multiplicative inverse of  $\frac{76}{91}$ .  
 (1)  $+\frac{21}{20}$  (2)  $-\frac{21}{20}$  (3)  $+\frac{20}{21}$  (4)  $-\frac{20}{21}$
55. Find the value of  
 $0.545454 + 0.5454 + 0.54$   
 (1) 1.630854 (2) 1.531854 (3) 1.631854 (4) 1.631845
56. Which of the following number given in the alternatives divides exactly all the numbers 161, 371, 301, 637, 553, ?  
 (1) 9 (2) 3 (3) 7 (4) 11
57. A triangular plot has sides 50m, 30m and 40m. Find the area of the triangular plot. (Select two correct alternatives)  
 (1) 1500 sq.m. (2) 600 sq.m. (3) 6 Are (4) 15 Are
58. Find the value of  $x$ , if  $3^x + 3^{x+1} = 108$   
 (1) 7 (2) 5 (3) 4 (4) 3
59. L.C.M. of two consecutive odd numbers is 8463. Find the bigger odd number out of the two numbers.  
 (1) 91 (2) 93 (3) 95 (4) 97

**SPACE FOR ROUGH WORK**

60. Find the value of  $\sqrt{31 \times 32 \times 30 \times 33 + 1}$
- (1) 990 (2) 923 (3) 1021 (4) 991

61. Find the average of the cubes of first five odd natural numbers.
- (1) 235 (2) 255 (3) 245 (4) 285

62. In the adjoining figure line  $l \parallel$  line  $m$  and line  $p$  is the transversal. Observe the figure and find the value of  $\angle w$ .



63. Area of a circle is in direct variation with the square of the radius of the circle. If the area of a circle is 616 sq.cm., then the radius is 14 cm. Find the area of the circle whose radius is 42 cm.

- (1) 5544 sq.cm. (2) 3850 sq.cm.  
(3) 2464 sq.cm. (4) 4455 sq.cm.

64. How many more segments are formed by joining six collinear points to each other than by joining five non-collinear points to each other?

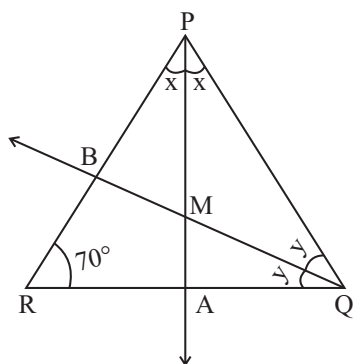
- (1) 9 (2) 7 (3) 8 (4) 5

65. The radius of a semi-circular garden is 420 m. It is to be fenced with five rounds of wire. If the wire costs Rs. 60 per metre. What will be the cost of the wire needed for fencing?

- (1) ₹ 64,800 (2) ₹ 6,48,000 (3) ₹ 3,24,000 (4) ₹ 32,400

**SPACE FOR ROUGH WORK**

66.

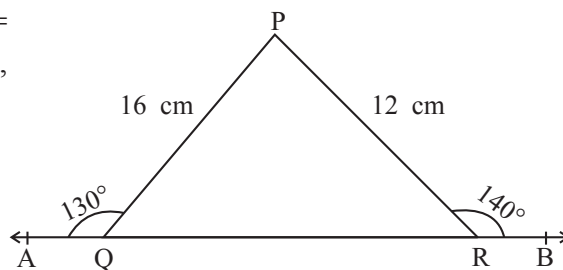


In the adjoining  $\triangle PQR$ , ray PA and ray QB are the bisectors of  $\angle P$  and  $\angle Q$  respectively. If  $\angle R = 70^\circ$ . Find  $m\angle PMQ$ .

- (1)  $120^\circ$
- (2)  $130^\circ$
- (3)  $125^\circ$
- (4)  $135^\circ$

67. In the adjoining  $\triangle PQR$ ,  $\angle AQP = 130^\circ$ ,  $\angle BRP = 140^\circ$ ,  $l(PQ) = 16$  cm,  $l(PR) = 12$  cm. Find  $l(QR)$

- (1) 17 cm
- (2) 25 cm
- (3) 18 cm
- (4) 20 cm



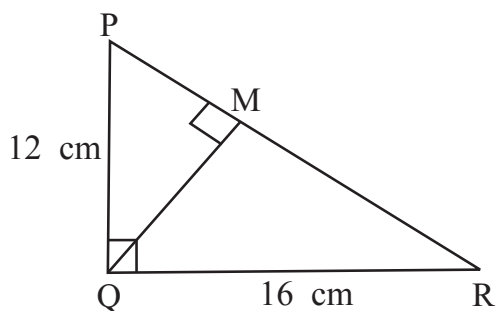
68. A shopkeeper sold a fan having marked price Rs. 2300 at discounted price Rs. 2001. Find the percent discount given by the shopkeeper.

- (1) 23%
- (2) 17%
- (3) 13%
- (4) 15%

69. Opposite angles of a cyclic quadrilateral are  $(3x + 10)^\circ$  and  $(4x + 30)^\circ$ . Find the measures of these angles.

- (1)  $70^\circ, 110^\circ$
- (2)  $115^\circ, 65^\circ$
- (3)  $120^\circ, 60^\circ$
- (4)  $112^\circ, 68^\circ$

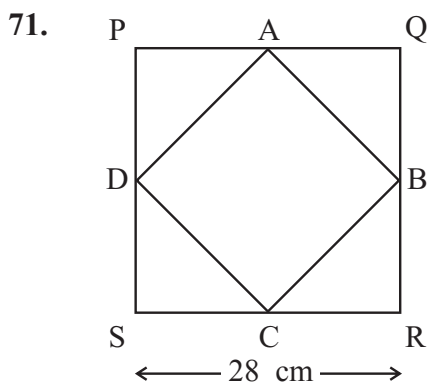
70.



In the adjoining  $\triangle PQR$ ,  $\angle PQR = 90^\circ$  and  $QM \perp PR$ ,  $PQ = 12$  cm,  $QR = 16$  cm. Find  $l(QM)$

- (1) 2.4 cm
- (2) 19.2 cm
- (3) 4.8 cm
- (4) 9.6 cm

**SPACE FOR ROUGH WORK**



In the adjoining figure  $\square PQRS$  is a square having side 28 cm. Points A, B, C and D are the midpoints of side PQ, side QR, side RS, side SP respectively. Find the area of square ABCD.

- (1) 784 sq.cm.  
 (2) 392 sq.cm.  
 (3) 196 sq.cm.  
 (4) 616 sq.cm.

72. A train of length 1000 m. is running at a speed of 72 km/hr. How much time will it take to pass a tunnel of length 800 m? (Choose two correct alternatives.)

- (1) 90 seconds      (2)  $1\frac{1}{2}$  minutes      (3) 2 minutes      (4) 120 seconds

73. The amount of certain principal at certain rate of interest after 5 years is Rs. 10800 with simple interest and the amount for the same principal and at the same rate of interest after 3 years is Rs. 9680 with simple interest. Find the principal and the rate of interest.

- (1)  $P = ₹ 7000$     $R = 8\%$                       (2)  $P = ₹ 8000$     $R = 9\%$   
 (3)  $P = ₹ 9000$     $R = 7\%$                       (4)  $P = ₹ 8000$     $R = 7\%$

74. Due to increase in the prices of fruits by 20%, the sale was decreased by 10%. Find the percent increase or decrease in the income of the fruitseller.

- (1) 10% increase      (2) 8% increase      (3) 8% decrease      (4) 10% decrease

75. The radius of the base of a cone is 21 cm and its height is 20 cm. Find its volume.

- (1) 9204 cubic cm                      (2) 9042 cubic cm  
 (3) 9240 cubic cm                      (4) 9273 cubic cm

**SPACE FOR ROUGH WORK**

**SPACE FOR ROUGH WORK**