



## Standard 7

## MATHS

Time: 1.30 hour

Marks: 30

4×1=4

## I. Choose the correct answer:

- 1)  $2.08 \times 10 =$  \_\_\_\_\_  
a) 20.8                      b) 208.0                      c) 0.208                      d) 280.0
- 2) Thendral saved one fourth of her salary. Her savings percentage is  
a)  $\frac{3}{4}$  %                      b)  $\frac{1}{4}$  %                      c) 25%                      d) 1%
- 3) If  $a+b = 5$  and  $a^2+b^2 = 13$ , then  $ab = ?$   
a) 12                      b) 6                      c) 5                      d) 13
- 4) The interest for a principle of Rs.4500 which gives an amount of Rs.5,000 at end of certain period is  
a) Rs.500                      b) Rs.200                      c) 20%                      d) 15%

## II. Fill in the blanks:

3×1=3

- 5)  $7.0 - 2.83 =$  \_\_\_\_\_
- 6) Simple Interest I = \_\_\_\_\_
- 7)  $0.05 \div 0.5 =$  \_\_\_\_\_

## III. Match it:

3×1=3

- 8)  $(a+b)^2 = a^2-b^2$
- 9)  $(a-b)^2 = a^2+2ab+b^2$
- 10)  $(a+b)(a-b) = a^2-2ab+b^2$

## IV. Answer any FOUR questions:

4×2=8

- 11) Find the value: (i)  $3.26 \times 100$  (ii)  $7.01 \times 1000$
- 12) Scoring rate of a bats man is 86%. Write his strike rate as decimal.
- 13) Find the simple interest on Rs.25,000 at 8% per annum for 3 years.
- 14) Find the product using the identity  $(6x+7y)(6x-7y)$
- 15) Sugarcane juice of 1.5 l has to be shared equally among five members. What is the share of each member?
- 16) Out of 20 beads, 5 beads are red. What is the percentage of red.

## V. Answer any FOUR questions:

4×3=12

- 17) Akilan purchased a geometry box for Rs.25.75, a pencil for Rs. 3.75 and a pen for Rs.17.90. He gave Rs.50 to the shopkeeper. What amount did he get back?
- 18) A concessional entrance ticket for students to visit a 300 is Rs.12.50. How much has to be paid for 20 tickets?
- 19) Ranjith's total income was Rs.7500. He saved 25% of his total income. Find the amount saved by him.
- 20) A salesman is on a commission rate of 5%. How much commission does he make on sales worth Rs. 1500?
- 21) Factorise by using the identity: (i)  $a^2 - 1$  (ii)  $64x^2 - 81y^2$
- 22) Evaluate the following: (i)  $103^2$  (ii)  $998^2$

kindly send me your key answer to our email id - Padasalai.net@gmail.com