

TERM 1  
Model question 3  
7th Standard

Maths

Reg.No. : 

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I. Answer all the questions.

II. Use blue pen only.

Time : 03:20:00 Hrs

Total Marks : 100

Part-A

19 x 1 = 19

- 1)  $(2^2)^{10}$  is equal to  
(a)  $2^5$  (b)  $2^{12}$  (c)  $2^{20}$  (d)  $2^{10}$
- 2)  $-10^2$  is equal to  
(a) -100 (b) 100 (c) -10 (d) 10
- 3)  $(-10)^2$  is equal to  
(a) 100 (b) -100 (c) 10 (d) -10
- 4)  $a \times a \times a \times \dots$  n times is equal to  
(a)  $a^m$  (b)  $a^{-n}$  (c)  $a^n$  (d)  $a^{m+n}$
- 5)  $103^3 \times 0$  is equal to  
(a) 103 (b) 9 (c) 0 (d) 3
- 6) The numerical coefficient in  $-7xy$  is  
(a) -7 (b) x (c) y (d) xy
- 7) The numerical coefficient in  $-q$  is  
(a) q (b) -q (c) 1 (d) -1
- 8) 12 subtracted from z is  
(a)  $12+z$  (b)  $12z$  (c)  $12-z$  (d)  $z-12$
- 9) n multiplied by -7 is  
(a) 7n (b) -7n (c)  $\frac{7}{n}$  (d)  $\frac{-7}{n}$
- 10) Three times p increased by 7 is  
(a) 21p (b)  $3p-7$  (c)  $3p+7$  (d)  $7-3p$
- 11) Sum of  $4x$ ,  $-8x$  and  $7x$  is  
(a) 5x (b) 4x (c) 3x (d) 19x
- 12) Sum of  $2ab$ ,  $4ab$ ,  $-8ab$  is  
(a) 14ab (b) -2ab (c) 2ab (d) -14 ab
- 13)  $5ab + bc - 3ab$  is  
(a)  $2ab + bc$  (b)  $8ab + bc$  (c) 9ab (d) 3ab
- 14)  $5y-3y^2-4y+y^2$  is  
(a)  $9y+4y^2$  (b)  $9y+4y^2$  (c)  $y+2y^2$  (d)  $y-2y^2$
- 15) If  $A = 3x + 2$  and  $B = 6x - 5$ , then  $A - B$  is  
(a)  $-3x + 7$  (b)  $3x - 7$  (c)  $7x - 3$  (d)  $9x + 7$
- 16) The degree of the expression  $5m^2+25mn+4n^2$  is  
(a) 1 (b) 2 (c) 3 (d) 4
- 17) If  $p=40$  and  $q=20$ , then the value of the expression  $(p - q)+8$  is  
(a) 60 (b) 20 (c) 68 (d) 28
- 18) The degree of the expression  $x^2y+x^2y^2+y$  is  
(a) 1 (b) 2 (c) 3 (d) 4
- 19) If  $m=-4$ , then the value of the expression  $3m+4$  is  
(a) 16 (b) 8 (c) -12 (d) -8

Part-B

15 x 2 = 30

- 20) Find seven rational numbers between  $-\frac{5}{3}$  and  $-\frac{8}{7}$
- 21) Add  $\frac{9}{5}$  and  $\frac{7}{5}$
- 22) Simplify :  $\frac{7}{3} + \left(\frac{-5}{4}\right)$
- 23) Simplify  $\frac{-3}{4} + \frac{1}{2} - \frac{5}{6}$
- 24) Subtract :  $\frac{8}{7}$  from  $\frac{10}{3}$

- 25) Simplify  $\frac{6}{35} - \left(-\frac{10}{35}\right)$
- 26) Simplify  $\left(-2\frac{7}{35}\right) - \left(3\frac{6}{35}\right)$
- 27) The sum of two rational numbers is 1. If one of the numbers is  $\frac{5}{20}$ , find the other.
- 28) Find the product of  $\left(\frac{4}{-11}\right)$  and  $\left(\frac{-22}{8}\right)$
- 29) Find the product of  $\left(-2\frac{4}{15}\right)$  and  $\left(-3\frac{2}{49}\right)$
- 30) The product of two rational numbers is  $\frac{2}{9}$ . If one of the numbers is  $\frac{1}{2}$  find the other rational number.
- 31) Find  $\left(\frac{2}{3}\right) \div \left(\frac{-5}{10}\right)$
- 32) find  $4\frac{3}{7} \div 2\frac{3}{8}$
- 33) Find  $4.2 \div 3$
- 34) Find  $18.5 \div 5$

## Part-C

- 35) Evaluate:  
 $7 \times (-5) \times (9) \times (-6)$
- 36) Evaluate:  
 $7 \times 9 \times 6 \times (-5)$
- 37) Evaluate:  
 $10 \times 16 \times (-9)$
- 38) Evaluate:  
 $16 \times (-8) \times (-2)$
- 39) Evaluate:  
 $(-20) \times (-12) \times 25$
- 40) Evaluate:  
 $9 \times 6 \times (-10) \times (-20)$
- 41) Multiply  
 $(-9)$  and  $15$
- 42) Multiply:  
 $(-4)$  and  $(-4)$
- 43) Multiply  
 $13$  and  $4$
- 44) Multiply  
 $(-25)$  with  $32$
- 45) Multiply  
 $(-1)$  with  $(-1)$
- 46) Multiply  
 $(-100)$  with  $0$
- 47) The cost of one pen is Rs. 15. What is the cost of 43 pens?
- 48) A question paper contains 20 questions and each question carries 5 marks. If a student answered 15 questions correctly, find his mark?
- 49) Revathi earns Rs. 150 every day. How much money will she have in 10 days?
- 50) The cost of one apple is Rs. 20. Find the cost of 12 apples?
- 51) Evaluate  
 $(-30) \div 6$

17 x 3 = 51

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