

TERM 1
Model question 2
7th Standard

Maths

Reg.No. :

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I. Answer all the questions.

II. Use blue pen only.

Time : 01:30:00 Hrs

Total Marks : 80

Part-A

20 x 1 = 20

- 1) A fraction is a
(a) whole number (b) natural number (c) odd number (d) rational number
- 2) $\frac{1}{3} + \frac{2}{3}$ is equal to
(a) 2 (b) 3 (c) 1 (d) 4
- 3) $\frac{4}{5} - \frac{9}{5}$ is equal to
(a) 1 (b) 3 (c) -1 (d) 7
- 4) $5\frac{1}{11} + 1\frac{10}{11}$ is equal to
(a) 4 (b) 3 (c) -5 (d) 7
- 5) The sum of two rational numbers is 1. If one of the numbers is $\frac{1}{2}$ the other number is
(a) $\frac{4}{3}$ (b) $\frac{3}{4}$ (c) $\frac{-3}{4}$ (d) $\frac{1}{2}$
- 6) $\frac{7}{13}x\frac{13}{7}$ is equal to
(a) 7 (b) 13 (c) 1 (d) -1
- 7) The multiplicative inverse is $\frac{7}{8}$
(a) $\frac{7}{8}$ (b) $\frac{8}{7}$ (c) $\frac{-7}{8}$ (d) $\frac{-8}{7}$
- 8) $\frac{-4}{-11} \times (\frac{-22}{8})$ is equal to
(a) 1 (b) 2 (c) 3 (d) 4
- 9) $-\frac{4}{9} \times \frac{9}{36}$ is equal to
(a) $\frac{-16}{9}$ (b) 4 (c) 5 (d) 7
- 10) $0.1 \div 0.1$ is equal to
(a) 1 (b) 0.1 (c) 0.01 (d) 2
- 11) $\frac{1}{1000}$ is equal to
(a) 0.01 (b) 0.001 (c) 1.001 (d) 1.01
- 12) How many apples can be bought for Rs.50 if the cost of one apple is Rs.12.50?
(a) 2 (b) 3 (c) 4 (d) 7
- 13) $\frac{12.5}{2.5}$ is equal to
(a) 4 (b) 5 (c) 7 (d) 10
- 14) 0.1×0.1 is equal to
(a) 0.1 (b) 0.11 (c) 0.01 (d) 0.0001
- 15) $5 \div 100$ is equal to
(a) 0.5 (b) 0.0005 (c) 0.05 (d) 0.0005
- 16) $\frac{1}{10} \times \frac{1}{10}$ is equal to
(a) 0.01 (b) 0.001 (c) 0.0001 (d) 0.1
- 17) 0.4×5 is equal to
(a) 1 (b) 0.4 (c) 2 (d) 3
- 18) $a^m \times a^x$ is equal to
(a) a^{mx} (b) a^{m+x} (c) a^{m-x} (d) a^{mx}
- 19) $10^{12} \div 10^{10}$ is equal to
(a) 10^2 (b) 1 (c) 0 (d) 10^{10}
- 20) $10^{10} \times 10^2$ is equal to
(a) 10^5 (b) 10^8 (c) 10^{12} (d) 10^{20}

Part-B

15 x 2 = 30

- 21) Simplify : $5\frac{1}{4} + 4\frac{3}{4} + 7\frac{5}{8}$
- 22) Simplify : $\frac{5}{7} - \frac{2}{7}$
- 23) Simplify : $2\frac{2}{3} - 3\frac{1}{6} + 6\frac{3}{4}$
- 24) Find : $2\frac{1}{5}$ of $\frac{1}{4}$

- 25) In a group of 60 students $\frac{3}{10}$ of the total number of students like to study Science, $\frac{3}{5}$ of the total number like to study Social Science.
 (i) How many students like to study Science?
 (ii) How many students like to study Social Science?
- 26) Find
 $6 \div \frac{2}{5}$
- 27) Find
 $8 \div \frac{7}{9}$
- 28) Find
 $6 \div 3\frac{4}{5}$
- 29) Find $\frac{1}{5}$ of $\frac{3}{8}$
- 30) Find : $\frac{2}{9} \times \frac{3}{2}$
- 31) Leela reads $\frac{1}{4}$ th of a book in 1 hour. How much of the book will she read in $3\frac{1}{2}$ hours?
- 32) Reduce $\frac{72}{54}$ to the standard form
- 33) Reduce to the standard form
 $\frac{18}{-12}$
- 34) Reduce to the standard form
 $\frac{-4}{-16}$
- 35) List five rational numbers between $\frac{2}{5}$ and $\frac{4}{7}$

Part-C

- 36) Evaluate:
 $3 \times (-2)$
- 37) Evaluate:
 $(-1) \times 25$
- 38) Evaluate:
 $(-21) \times (-31)$
- 39) Evaluate:
 $(-316) \times 1$
- 40) Evaluate:
 $(-16) \times 0 \times (-18)$
- 41) Evaluate:
 $(-12) \times (-11) \times 10$
- 42) Evaluate:
 $(-5) \times (-5)$
- 43) Evaluate:
 5×5
- 44) Evaluate:
 $(-3) \times (-7) \times (-2) \times (-1)$
- 45) Evaluate:
 $(-1) \times (-2) \times (-3) \times 4$

10 x 3 = 30
