PERIODIC ASSIGNMENT -1 2021-22
Grade – 7   / Subject- MATHS
Syllabus – CH- 1, 2, 3

General Instructions

- **The paper is divided into two sections**
- **All questions are compulsory.**

PART: A

MULTIPLE CHOICE QUESTIONS

1. The value of (-2) X (-1) X (1) is
   (a) 1　　　　(b) 3　　　　(c) -4　　　　**(d) 2**

2. (-43) X (-99) + (43) is equal to
   (a) 4300　　　(b) -4300　　　(c) -4214　　　(d) 4257

3. Reciprocal of 3 is
   (a) -3　　　**(b) 1/3**　　　(c) 4　　　(d) none

4. The mode of the given data 22,29,27,23,43,41,27 is
   (a) 23　　　**(b) 27**　　　(c) 22　　　(d) none

5. The absolute value of | - 23 | is
   (A) - 23　　　**(B) 23**　　　(C) 0　　　(D) None

6. The smallest prime number is
   (A) 0　　　**(B) 2**　　　(C) 1　　　(D) None

. **7.** The smallest whole number is
   (A) 0　　　(B) 2　　　(C) 1　　　(D) None

8. value of [(-6) + 2] ÷ (2) is
   (A) -2　　　(B) 2　　　(C) 1/2　　　(D) None

9. value of (-10) X (-5) + (-7) is
   (A) 40　　　**(B) 43**　　　(C) -43　　　(D) 23

10. The reciprocal of 2/7 is
    (A) 7/2　　　(B) 1/7　　　**(C) 7/2**　　　(D) -2/7

11. Find 3 + (-10) =

    (a) 7   (b) -5   **(c) -7**   (d) -13

12. On a number line, when we add a positive integer, we

    (a) move to right   (b) move to   (c) do not move at all   (d) None of these

13. When two positive integers are add we get

    (a) a positive integer   (b) a negative integer   (c) sometime positive or negative   (d) none of these

14. Find (-4) x (-3) x(-5) =

    (a) -50   (b) -60   **(c) 60**   (d) -12

15. The equivalent fraction of $\frac{3}{5}$ is

    (a) $\frac{9}{15}$ (b) $\frac{12}{20}$ **(c) Both of them**   (d) None of them

16. Which of the following is an improper fraction?

    (a) $\frac{2}{8}$ (b) $\frac{6}{20}$ **(c) $\frac{7}{3}$**   (d) $\frac{12}{22}$

17. The improper fraction $\frac{33}{4}$ in the form of a mixed fraction is

    (a) $8\frac{1}{4}$ (b) $4\frac{1}{8}$ (c) $3\frac{8}{4}$ (d) $4\frac{7}{8}$

18. The mean marks obtained by 5 students in class test whose marks are 7, 10, 5, 5, 3 will be?

    (a) 10   (b) 13   (c) 5   **(d) 6**

19. The difference between highest and lowest observation gives us _____.

    (a) Mean   (b) Median   **(c) Range**   (d) Mode

TRUE AND FALSE

1. When two positive integers are added we get a positive integer. **True**

2. When two negative integers are added we get a positive integer. **False**

3. Additive inverse of 8 is (-8) and additive inverse of (-8) is 8**. True**

4. (-10) + 3 = 10 - 3**. False**

5. When we multiply two negative integers their product is also negative integer. **False**

6. To multiply a whole number with fraction we need to multiply it with numerator only keeping denominator same. **True**

7. We can directly multiply a whole number with a mixed fraction. **False**

8. The value of $\frac{1}{4}$ is 2.5. **False**

9. The mode of a set of observation is the observation that occurs most often. **True**

10. In a given data arranged in ascending or descending order, median is middle observation. **False**

FILL IN THE BLANKS

1. The range of the data 21, 23,45,15,17 is _____

2. The mean of the data 3,6,9,10,12 is _____

3. ¾ of 27 is _____

4. 4 x $6\frac{1}{3}$ is equal to _____

5. The lowest term of the product $2\frac{3}{7}$ X $\frac{7}{9}$ is _____

6. $\frac{4}{5}$ ÷ 4 is equal to _____

7. 25.4 X 1000 = _____

8. 25.4 ÷ 20 = _____

Answer :

1. **30**	2**. 8**	3. **20.25**	4. **25.33**
5. **1.89**	6. **1/5**	7. **25,400**	8. **1.27**

Solve:

1. **(-12) × (-11) × (10)**

   Ans: = (-) × (-) × 12 × 11 × 10 = 1320

2. **7 × (50 – 2)**

Ans: $7 \times (50 - 2) = 7 \times 50 - 7 \times 2 = 350 - 14 = 336$

3. **13 ÷ [(-2) + 1]**

   Ans: $13 \div -1 = \frac{13}{-1} = -13$

4. **(-31) ÷ [(-30) + (-1)]**

   Ans: $(-31) \div (-31) = \frac{-31}{-31} = 1$

5. $\frac{3}{5} + \frac{2}{7} =$

   Ans: $\frac{3 \times 7}{5 \times 7} + \frac{2 \times 5}{7 \times 5} = \frac{3 \times 5 + 2 \times 5}{5 \times 7} = \frac{21 + 10}{35} = \frac{31}{35}$

6. $8\frac{1}{2} - 3\frac{5}{8} =$

   Ans: $= \frac{17}{2} - \frac{29}{8} = \frac{17 \times 4}{2 \times 4} - \frac{29}{8} = \frac{68 - 29}{8} = \frac{39}{8} = 4\frac{7}{8}$

7. $3\frac{4}{7} \times \frac{3}{5} =$

   Ans:

$$3\frac{4}{7} \times \frac{3}{5} = \frac{\cancel{25}^{5}}{7} \times \frac{3}{\cancel{5}} = \frac{5 \times 3}{7}$$
$$= \frac{15}{7} = 2\frac{1}{7}$$

8. $\frac{2}{7} \times \frac{7}{9} =$

   Ans: $\frac{2 \times 7}{7 \times 9} = \frac{14}{63} = \frac{2}{9}$

9. **Express 50 paise as rupees using decimals**

   Ans: $\frac{50}{100}$ rupees = 0.50 rupees

10. **Express 5cm in kilometres**

    Ans: 1 kilometre = 1000 metre = 100 × 1000 cm = 100,000

    $5\text{cm} = \frac{5}{100,000}$ km = 0.00005 km

Solve: Each carry two marks

1. Find the product:

(i) 3 X (-1) = _____   (ii) (-21) X (30)_____

2. For any integer, what is (-1) X a equal to?

3. Solve : (i) 2 – 3/5 (ii) 3/5 + 2/7

4. Find : (i) ½ 0f 46 (ii) 2/3 of 18

5. multiply : (i) $3 \times 5\frac{1}{5}$ (ii) $7 \times 2\frac{1}{4}$

6. Find the mean of first five whole numbers
7. Amit scores the following runs in eight innings: 58, 76, 40, 35, 46, 45, 0, 100. Find mean score

PAPER FORMATE

PART – A

MULTIPLE CHOICE QUESTIONS   **[1 X 6 = 6]**

FILL IN THE BLANK   **[1 X 3 = 3]**

STATE WHETHER THE FOLLOWING STATEMENTS ARE TRUE OR FALSE   **[$\frac{1}{2}$ X 4 = 2]**

WRITE ANSWER IN ONE WORD   **[1 X 6 = 6]**

PART – B

SOLVE: EACH CARRY TWO MARKS   **[2 X 4 = 8]**