BURARI PUBLIC SCHOOL

a venture with UNIQUE

PERIODIC TEST IV (2024-25)

CLASS: VI

MATHEMATICS **Date___/___/_____**

Time -1 hour M:M- 20 marks

Name: ……..... Roll No. ..…….....T. Sign.....

Instructions:

- All questions are compulsory.
- This question paper is divided into three sections: A, B, C.

Section - A

Q1. **Multiple choice questions:** **2 marks**

(i) The group of unlike fractions is

(a) $\frac{2}{11}, \frac{9}{11}, \frac{3}{11}, \frac{7}{11}$

(b) $\frac{5}{35}, \frac{9}{35}, \frac{8}{35}, \frac{11}{35}$

(c) $\frac{7}{18}, \frac{9}{18}, \frac{3}{18}, \frac{1}{18}$

(d) $\frac{13}{25}, \frac{11}{25}, \frac{26}{21}, \frac{12}{18}$

(ii) A fraction equivalent to $\frac{32}{20}$ is

(a) $\frac{8}{5}$ (b) $\frac{2}{3}$ (c) $\frac{8}{9}$ (d) $\frac{8}{6}$

(iii) The value of $\frac{87}{1000}$ is

(a) 0.87 (b) 0.00087 (c) 0.0087 (d) 0.087

(iv) The place value of 6 in 25.164 is

(a) six (b) 6 tenths (c) 6 hundredths (d) 6 thousandths

Q2. **Assertion and Reason:** **2 marks**

In each of the following questions, an Assertion (A) and a corresponding Reason (R) supporting it is given.

Study both the statements and state which of the following is correct:

(a) Both A and R are true and R is the correct explanation of A.

(b) Both A and R are true and R is not the correct explanation of A.

(c) A is true, but R is false.

(d) A is false, but R is true.

1. **Assertion (A):** 32.67 > 32.365

Reason (R): Two decimal numbers having different number of decimal places are known as unlike fractions.

2. **Assertion (A):** $\frac{5}{9} < \frac{5}{6} < \frac{5}{4} < \frac{5}{3}$

Reason (R): When two fractions having the same numerators are compared, the fraction with the smaller denominator will be the greater fraction.

Section – B

Q3. Compare:

$\frac{9}{13}$ and $\frac{36}{52}$ **1 mark**

Q4. Convert 0.0125 as mixed fraction. **1 mark**

Q5. Find two equivalent fractions of $\frac{7}{3}$ **1 mark**

Q6. Subtract 283.222 from 644.311. **1 mark**

Q7. Divide $5\frac{1}{2}$ by $3\frac{1}{4}$. **1.5 marks**

Q8. Find the product of $2\frac{1}{7}$ and $3\frac{1}{5}$ **1.5 marks**

Section- C

Q9. Simplify: **2 marks**

$3 - 1\frac{1}{4} + \frac{2}{3}$

Q10. Subtract the sum of $6\frac{1}{3}$ and $1\frac{7}{15}$ from the sum of $2\frac{4}{5}$ and 5. **2 marks**

Q11. Ajay deposited two cheques of ₹800.39 and ₹1000.61 in his bank account. Find the total amount deposited by him. **2 marks**

Q12. **Case Study** **3 marks**

The Olympic games are the world's most only truly global, multi – sport, celebratory athletics competition with more than 200 countries participating in over 400 events across the summer and winter games. They include athletes from all over the world. In individual Olympics events gold silver and bronze medals are awarded to the athletes getting the first, second and third places, respectively. Diplomas are awarded to the athletes getting fourth through eight places. The list of winners in men's 200 m in the Tokyo Olympics games is shown in the following table.

Medal / Rank	GOLD	SILVER	BRONZE	FOURTH	FIFTH
Name	Andre De Grasse	Kenny Bednarek	Noah Lyles	Erriyon knighton	Joseph fabnbulleh
Time (in s)	19.62	19.67	19.74	19.93	19.98

Observe the above table and answer the following questions:

1. How much less time did Andre De Grasse take than Kenny Bednarek?
   (i) 0.02s (ii) 0.05s (iii) 0.01s (iv) 0.04s

2. How much less time did Kenny Bednarek take to win silver medal than Noah Lyles?
   (i) 0.05s (ii) 0.4s (iii) 0.07 (iv) 0.06s

3. Who won the Silver medal in men's 100m in Tokyo Olympics games?
   (i) Kenny Bednarek (ii) Noah Lyles
   (iii) Andre De Grasse (iv) Joseph Fabnbulleh