LOYOLA SCHOOL, BHUBANESWAR

Half Yearly Evaluation – September 2025

Class: VI **Subject: Maths** **F.M.=8o** **Time: 2Hrs**

SECTION – A (40 marks)

1. Choose the correct answer. **[1×10=10]**

(a) In 40538, the difference between the place value of 5 and local value of 3 is _____.

(i) 497 (ii) 470 (iii) 2 (iv) None

(b) The sum of 598, 734 and 606 to the nearest ten is _____.

(i) 1940 (ii) 1930 (iii) 1900 (iv) None

(c) Every negative integer is _____than every positive integer.

(i) greater (ii) smaller (iii) equal (iv) None

(d) (–5) + (–4) = _____

(i) –1 (ii) –9 (iii) 1 (iv) 9

(e) Change $\frac{236}{21}$ to a mixed fraction.

(i) $5\frac{11}{21}$ (ii) $11\frac{5}{21}$ (iii) $21\frac{5}{11}$ (iv) None

(f) $\frac{14}{15}$ or $\frac{10}{11}$ which fraction is greater.

(i) $\frac{14}{15}$ (ii) $\frac{10}{11}$ (iii) $\frac{14}{11}$ (iv) None

(g) Change 0.876 to fraction in their lowest term.

(i) $\frac{219}{250}$ (ii) $\frac{876}{1000}$ (iii) $\frac{21}{25}$ (iv) $\frac{19}{50}$

(h) Subtract 486 paise from ₹8.50 and write the answer in rupees.

(i) ₹4.65 (ii) ₹ 4.50 (iii) ₹ 3.64 (iv) ₹ 3.36

(i) The H.C.F of two co-prime numbers is always_____.

(i) 0 (ii) 1 (iii) product of two numbers (iv) None

(j) The maximum number of lines passing through three collinear points is

(i) one (ii) two (iii) three (iv) None

2. Do as directed. **[2×15=30]**

(a) Write the coefficient of x^2y in $\frac{-7}{9}x^2yz$. Write the degree of this term.

(b) Find the LCM of 24, 36 and 48 by common division method.

(c) The product of two numbers is 19200 and their H.C.F is 40. Find their L.C.M.

(d) Find the H.C.F of 24, 12, 36 and 60.

(e) Evaluate : 97·82 × 0· 03 –0·54 ÷ 0·3

(f) Subtract the sum 13·7 and 2·09 from 19·25.

(g) If a rope $20\frac{5}{7}$ m long has been cut into equal pieces of $1\frac{8}{21}$ m each, how many pieces are there?

(h) Write the following integers in ascending order.

– 6, 7, 0, –9, 5, –2

(i) Five million two hundred five thousand five hundred five.

Write in international numeral form. Write in Indian numeration.

(j) A =25, B = 30 and C = 10. Find A– B+C.

(k) Under what condition will two straight lines in the same plane have no point in common. Draw diagram in support of your answer.

(l) List all the whole numbers which are approximate to 60.

(m) Convert the following into decimal fraction.

(i) $\frac{5}{4}$ (ii) $\frac{3}{125}$

(n) Simply : $3\frac{2}{7} - 3\frac{2}{5} + \frac{1}{7}$

(o) Form the greatest and smallest 5- digits numbers using any five different digits, with the condition that digit 8 is always at the ten's place.

Section – B*(40 Marks)*

(Answer ANY FOUR)

3. (a) Simplify: $\frac{11}{15} \div \left(\frac{1}{5} - \frac{2}{3} + \frac{5}{3} \text{ of } \frac{1}{2}\right)$ **[3]**

(b) Find the smallest number which when increased by 3 is exactly divisible by the numbers 21, 45, 63, 81 and 210. **[3]**

(c) Draw separate figures to represent **[4]**

(i) Line segment AB

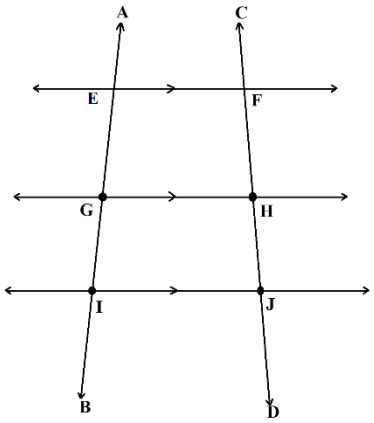
(ii) Ray AB

(iii) Straight Line AB

(iv) Ray BA

4. (a) In the given figure, write **[3]**

(i) all pairs of parallel lines.
(ii) all the lines which intersect l J
(iii) lines whose point of intersection is H.



(b) Round off 55, 639 to the nearest

(i) ten (ii) Hundred (iii) thousand **[3]**

(c) (i) Evaluate : 37·188 ÷ 3·6 **[2+2]**

(ii) 1·2 × 0·2 × 2·4

5. (a) Simplify : $17 - [14 - \{40 + 8 \div (7 - \overline{6 - 3})\}]$ **[3]**

(b) Subtract : $4x - 6y + 3z$ from $12x + 7y - 4z$ **[3]**

(c) (i) State the number of terms in each of the following expressions **[2]**

(I) $5 \times a \div 4 \times c$

(II) $3x + y + 7 \div y$

(ii) Write the smallest and greatest 4 digit numbers, without repetition of any digit. **[2]**

6. (a) The total weight of 8 identical bricks is 20.4 kg. Find the total weight of 5 bricks. **[3]**

(b) Arrange the given fraction in descending order of magnitude. **[3]**

$\frac{4}{5}, \frac{7}{15}, \frac{11}{20}$ and $\frac{3}{4}$

(c) Subtract the sum of $3x - y + z$ and $x + y - 3z$ from the sum of $5x + 2y - 3z$ and $x - y + z$ **[4]**

7. (a) Simplify : $13\,pqr + 2\,pr + 4\,qpr - 6\,pr - 8\,pqr$. **[3]**

(b) Find the greatest number that will divide 93, 111 and 129, leaving remainder 3 in each case. **[3]**

(c) In a particular month, a man earns ₹7200, out of this income, he spends $\frac{3}{10}$ on food, $\frac{1}{4}$ on house rent, $\frac{1}{10}$ on insurance and $\frac{2}{25}$ on holidays. How much did he save in that month? **[4]**

************ALL THE BEST**************