

O. P. JINDAL SCHOOL, SAVITRI NAGAR
Half Yearly Examination (2019 – 2020)

Class: VI**MM: 80****Subject: Mathematics****Time: 3 Hrs.**

Name: _____ Class / Section: _____ Roll No.: _____

(Fifteen Minutes Extra will be given for reading the Question Paper.)**General Instructions:**

- (i) All questions are compulsory.
- (ii) The question paper consists of 40 questions divided into four sections A, B, C and D.
- (iii) Section A contains 20 questions of 1 mark each. Section B contains 6 questions of 2 marks each. Section C contains 8 questions of 3 marks each. Section D contains 6 questions of 4 marks each.
- (iv) There is no overall choice. However an internal choice has been provided. You have to attempt only one of the alternatives in all such questions.
- (v) Use of calculators is not permitted.

Section A

Question numbers 1 to 20 carries 1 mark each.

Choose the correct option:

- Q1. Which of the following stands for seven lakh nine thousand five?
 a) 70,905 b) 7, 05,009 c) 7, 09,005 d) 79,005
- Q2. Which of the following is a prime number?
 a) 19 b) 20 c) 21 d) 32
- Q3. Which one of the following is incorrect?
 a) $\frac{4}{15} = \frac{12}{45}$ b) $\frac{5}{5} = \frac{7}{7}$ c) $\frac{3}{5} < \frac{3}{7}$ d) None
- Q4. Which of the following does not represent zero?
 a) $1 \div 0$ b) 1×0 c) $\frac{0}{2}$ d) None
- Q5. Which shows 500years ago?
 a) -500 b) 500 c) $|-500|$ d) $-(-500)$
- Q6. Which one of the following is the correct sequence?
 a) $C > D > L$ b) $M > D > C$ c) $M > L > D$ d) $L > C > D$
- Q7. The value of $-16 - (-9)$ is
 a) -25 b) -7 c) 7 d) 25
- Q8. Which one of the following divisible by 4?
 a) 60,113 b) 45,787 c) 10,024 d) None

Answer the following questions:

Q9. Write the greatest prime number between the counting 20 to 30.

OR

Write two pairs of twin prime numbers.

Q10. Write Hindu Arabic numeral for: LXXVII

OR

Write Roman numeral for: 1635

Q11. Make the smallest and the greatest four digit number by using any digit twice and 4 will always at tens place 7, 1, 4

Q12. Which is greater fraction: $1\frac{7}{8}$ or $1\frac{4}{11}$

OR

Write simplest form of the fraction: $\frac{238}{204}$

Q13. Write in improper fraction: $7\frac{17}{23}$

Q14. Write the successor & predecessor of: -99

Q15. Express in decimal: $6 + \frac{2}{10} + \frac{9}{1000}$

OR

Express in fraction: 12.0008

Q16. Express in cm: 4 cm 75 mm

OR

Express in mg: 0.027 g 50 mg

Q17. Write the integers between -3 & 2.

Q18. Find missing numbers and write the name of property: $68 \times (3+7) = 68 \times \underline{\quad} + \underline{\quad} \times 7$

OR

Name the property and solve: $12 + 5 = 5 + 12$

Q19. The product of two whole numbers is 1500 and their HCF is 10. Find their LCM.

Q20. Convert into Paise: eleven rupees and six paise

Section B

Question numbers 21 to 26 carries 2 marks each.

Q21. Write in expanded form: 48.053

Q22. Subtract: -200 from -300

Q23. Express 30 as the sum of two prime numbers.

Q24. Simplify: $27 - 11 + 4 - 22$

Q25. Estimate the sum: $57134 + 6906$

OR

Estimate the difference: $63759 - 34522$

Q26. Find an equivalent fraction for: $\frac{3}{8}$ with numerator as 15

OR

Check whether the given fractions are equivalent or not: $\frac{4}{13}$ & $\frac{16}{52}$

Section C

Question numbers 27 to 34 carries 3 marks each.

Q27. Use number line to show the sum: $-3 + 5 - 8$

OR

Solve: $213 + (-17) + (-42) - 90$

Q28. Preeti is decorating for a party. She has $6\frac{1}{3}$ m of blue streamers, $7\frac{5}{6}$ m of orange streamers and rest is of red streamers. If she needs 28 m of streamers in all, how many metres of red streamers does Preeti need?

OR

Solve: $3\frac{5}{8} + 3\frac{1}{4} + 1\frac{11}{15}$

Q29. Solve and write answer in simplest form: $2\frac{1}{10} + 3\frac{1}{12} - 2\frac{2}{8}$

OR

Anil runs a small business. He spends $\frac{2}{5}$ of his budget on supplies, $\frac{1}{12}$ on advertising and $\frac{2}{25}$ on taxes and fees. Does Anil spend more on advertising or more on taxes and fees?

Q30. Round off: 96573 (i) nearest 10 (ii) nearest 100 (iii) nearest 1000

- Q31. Identify the pattern and write next three terms: 2, 6, 5, 15, 14, __, __.
- Q32. Find HCF of 345 & 504 by long division method.
- Q33. a) Find the sum: 5.9, 36.87, 9.265, and 0.4
b) Find difference of: 6.89 & 2.0005
- Q34. Subtract one hundred two rupees and fifty paise from three hundred rupees and five paise.

Section D

Question numbers 35 to 40 carries 4 marks each.

- Q35. a) Find the value of: $120 \div 15 + 16 \times 12$
b) Solve by using property and write the name of the property: 83×102
- Q36. A rectangular courtyard is 20m 16 cm long and 15m 60 cm broad. It is to be paved with square tiles of the same size. Find the least number of such stones.

OR

Find the HCF and LCM of 225 and 200. Also prove that product of numbers = product of LCM and HCF.

- Q37. The sum of two integers is 40. If one of the integer is (-18). Find the other integer. Also check your answer.
- Q38. a) Find the difference: $117 - (-29)$
b) Compare: $-8 + (-17)$ $-9 + (-11)$ ($<$, $>$, $=$)
- Q39. A man reads $\frac{1}{5}$ of a book on Monday, $\frac{1}{3}$ on Tuesday and $\frac{1}{4}$ on Wednesday. If there are 240 pages in the book, how many pages remain to be read?

OR

Jaya is making a slush for a party. She needs a total of $3\frac{9}{10}$ L of water to add to fruit juice. In one container she has $1\frac{1}{3}$ L of water and in another she has $1\frac{2}{5}$ L. How much more does she need?

- Q40. A man walks in succession through streets of lengths 578m, 800m, 132m, 75m and 240m. Find how many kilometres he has walked?
