

Atomic Energy Central Schools, Rawatbhata

Term-I Examination (2019-20)

Class: VI

Maximum Marks: 80

Sub: Mathematics

Time: 3 hours

General Instructions: this question paper consists of FOUR sections: A, B, C and D

1. Section A contains of 6 questions of 1 mark each
2. Section B contains of 6 questions of 2 marks each.
3. Section C contains of 10 questions of 3 marks each.
4. Section D contains 8 questions of 4 marks each.

**SECTION-A (6x1=6)**

- 1 The smallest 8-digit number is called  
(a) eight crore (b) one crore (c) ten crore (d) hundred crore
- 2 The predecessor of 1 Lakh is  
(a) 99000 (b) 999999 (c) 99999 (d) 100001
- 3 The greatest prime number between 1 and 10 is  
(a) 2 (b) 3 (c) 5 (d) 7
- 4 The name for  $\frac{1}{4}$  of a revolution is  
(a) right angle (b) acute angle (c) straight angle (d) complete angle
- 5 The value of  $-5 - (-25)$  is  
(a) -30 (b) -20 (c) 20 (d) 35
- 6 An equivalent fraction of  $\frac{3}{7}$  with denominator 63 is  
(a)  $\frac{21}{63}$  (b)  $\frac{28}{63}$  (c)  $\frac{20}{63}$  (d)  $\frac{27}{63}$

**SECTION-B (6x2=12)**

- 7 Write the expressions using brackets  
(a) Four multiplied by the sum of nine and two  
(b) Divide the difference of eighteen and six by four
- 8 Find  $5437 \times 1001$  using distributive property
- 9 Test the divisibility of 5335 by 11
- 10 Ram and Shyam starts from point A. Ram moves towards EAST and Shyam moves towards SOUTH. Draw their paths and name the kind of angle which will be formed between them.
- 11 Find the value of  $-12 + (-98) - (-84) - 7$
- 12 Write the natural numbers from 2 to 12. What fraction of them are prime numbers?

**SECTION- C (10x3=30)**

- 13 Find the difference between the greatest and the least number that can be written using the digits 6, 2, 7, 4, 3 each only once.

14 If the product of two whole numbers is ZERO, can we say that one or both of them will be Zero? Justify your answer with example.

15 Find the least number which when divided by 12, 15, 18 and 36 leaves 10 as remainder.

16 Draw any circle and mark

(a) a radius (b) a diameter (c) a segment (d) a point in its interior (e) a point in its exterior (f) its Centre

17 Draw a rough sketch of a regular octagon. Draw a rectangle by joining exactly four of the vertices of the octagon.

18 Classify the angles whose measures are given below

(a)  $30^\circ$  (b)  $90^\circ$  (c)  $180^\circ$  (d)  $360^\circ$  (e)  $210^\circ$  (f)  $120^\circ$

19 Write (a) the opposite of 326BC (b) the greatest negative integer (c) a number 5 less than 0

20 Using the number line write the integer which is (a) 3 more than 5 (b) 3 less than -2

21 (a) Add  $1\frac{1}{3} + 3\frac{2}{3}$  (b) subtract  $\frac{5}{4}$  from  $\frac{13}{2}$

22 (a) Reduce  $\frac{48}{60}$  in the simplest form (b) Write  $\frac{5}{6}$  as a fraction with numerator 60

(c) Which fraction is larger  $\frac{1}{5}$  or  $\frac{1}{7}$ ?

**SECTION-D (8x4=32)**

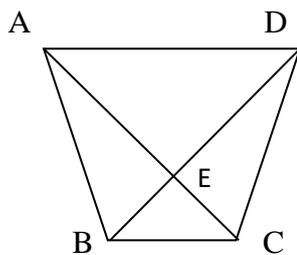
23 A box of medicine contains 2, 00,000 tablets each weighing 20mg. What is the total weight of all the tablets in the box in grams and in kilograms?

24 (a) Find the sum by suitable rearrangement  $1962 + 453 + 1538 + 467$

(b) Simplify using property  $651 \times 813 - 651 \times 13$

25 Determine the greatest 3-digit number exactly divisible by 8, 10 and 12.

26 On the basis of given figure answer the following



(a) What is  $AE + EC$ ? (b) What is  $AC - EC$ ? (c) What is  $BD - BE$ ? (d) What is  $BD - DE$ ?

27 Draw a rough figure and label each in the following cases

(a) Point P lies on line AB (B) Line XY and PQ intersect at M.

(c) Line l contains E and F (d) Line OP and OQ meet at point O.

28 Draw a rough diagram of following 3D figure (a) a triangular pyramid (b) a cone (c) a sphere (d) a cylinder .

29 (a) Add -50, -200 and 300 (b) Write four negative integers less than -10

30. Jaidev takes  $2\frac{1}{5}$  minutes to walk across the school ground. Rahul takes  $\frac{7}{4}$  minutes to do the same. Who takes less time and by what fraction?

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