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Education for life
CBSE AFF:3330247 CODE: 15202

ANNUAL EXAMINATION (2020)

Class : VI Student's Name: ……Roll. No. ……

Subject : Maths Date:20/02/2020 Max. Marks: 80 Time: 3 Hrs.

Invigilator's Name:……Sign:……

General Instruction:

- The first 15 minutes have been allotted for reading this question paper. These 15 minutes have to be used by the candidates for thorough silent reading of the question paper. During this period, the students will not write any answer on the answer- book and the question paper. The students should start writing on the next stroke of the bell.
- Do not write any answer on the question paper.Write in neat and clean handwriting. All questions are compulsory.

Q.1. A) Choose the correct answer :- (1 X 10 = 10)

i. The measure of acute angle is…… a) Less than 180^0 b) less than 90^0 c) more than 90^0

ii. An angle whose measure is greater than that of a right angle is …….
a) Acute angle b) right angle c) obtuse angle

iii. The predecessor of the integer – 1 is……. a) 0 b) 1 c) 2

iv. The opposite of 30 km north is…… a) 30 km south b) 30 km east c) 30 km west

v. Which of the following shows the maximum rise in temperature?
a) 0^0c to 10^0c b) - 4^0c to 8^0c c) – 15^0c to – 8^0c

vi. Which of the following letters does not have any line of symmetry? a)E b) T c) N

vii. A pictograph represents data through …… of objects. a)Bars b) pictures c) none of these

viii. The perimeter of a rectangle is ……. a) 2 (l + b) b) 2 (l – b) c) 2 (l x b)

ix. The area of a square is…… a) Side + side b) 4 x side c) side x side

x. The area of a square plot of side 8 m is……. a) 32sq.m b) 64sq.m c) 32 m

Q.1.B) Match the following: (1 x 5 = 5)

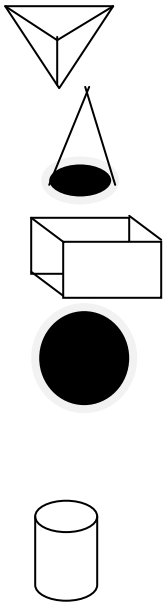
a) Cone

b) Sphere

c) Cylinder

d) Cuboid

e) Pyramid



Q.1.C) Write True or False: (1 x 5 = 5)

a) Each angle of a rectangle is a right angle.
b) The opposite side of a rectangle are equal in length.
c) The diagonals of a square are perpendicular to one another.
d) The opposite sides of a trapezium are parallel.
e) All the sides of a parallelogram are of equal length.

Q.2. Solve the following (any 6) (2 x 6 = 12)

a) Find the sum of (37) + (-2) + (-65) + (-8) b) Find (-15) – (-18)

c) Write 0.125 as fraction in lowest term. d) Express 888m as km using decimal.

e) Find the sum of 25.65 + 9.005 + 3.7

f) Rani had Rs. 18.50. She bought one ice-cream for Rs. 11.75. How much money does she have now?

g) Naresh walked 2 km 35m in the morning and 1 km 7 m in the evening. How much distance did he walk in all?

Q.3. Solve the following (any 8) (3 x 8 = 24)

a) Find (-7) + (-8) + (-90) b) Find the perimeter of a triangle of sides 3cm, 4cm and 5cm.

c) Find the cost fencing a rectangular park of length 175m and breadth 125m at rate of Rs. 12 per metre.

d) Find the area of a rectangle whose length and breadth are 12 cm and 4 cm respectively.

e) Leela is Radha's younger sister. Leela is 4 years younger than Radha. Can you write Leela's age in term of Radha's age?

f) There are 102 teachers in a school of 3300 students. Find the ratio of the number of teachers to the number of students.

g) Anish made 42 runs in 6 overs and Anup made 63 runs in 7 overs. Who made more runs per over?

h) Draw a circle and mark points A ,B and C such that

i) A is on the circle.ii) B is in the interior of the circle. iii) C is in the exterior of the circle.

i) Construct with ruler and compass, angles of the following measurement: a) 60^0 b) 45^0 c) 90^0

Q.4. Solve the following (any 6) (4 x 6 = 24)

i. Draw a circle of radius 4 cm. Draw any two of its chords. Construct the perpendicular bisectors of these chords. Where do they meet?

ii. Draw a line segment of length 12.8 cm. Using compasses; divide it into four equal parts. Verify by actual measurement.

iii. Cost of 5 kg of wheat is Rs.91.50.

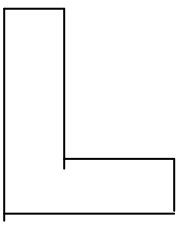
a) What will be the cost of 8 kg of wheat? b) What quantity of wheat can be purchased in Rs. 183?

iv. Complete the table and by inspection of the table find the solution to the equation m + 10 = 16

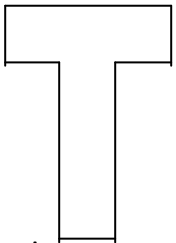
M	1	2	3	4	5	6	7	8	9
M+10									

v. Split the following shapes into rectangles and find their areas.

a)



b)



vi. The number of Mathematics books sold by a shopkeeper on six consecutive days is shown below:

Days	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday
No. of books sold	65	40	30	50	20	70

Draw a bar graph to represent the above information.

vii. Write the following decimals in words.

a) 0.03 b) 1.20 c) 5.008 d) 108.56 e)10.07 f) 0.032

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