Gyan Bharati School

Summative Assessment - 1 (2016-2017)

Class - M3

Subject- Mathematics

Time Allowed: Two Hours

DIPESH M3-D Roll no - 6

M.M.50

General Instructions:

- a) Section A has Ques. 1 to Ques. 4 of 1 mark each.
- b) Section B has Ques. 5 to Ques. 10 of 2 marks each.
- c) Section C has Ques. 11 to Ques. 16 of 3marks each.
- d) Section D has Ques. 17 to Ques. 20 of 4 marks each.
- e) All questions are compulsory.

			Section	on A	
Choos	se the correct optio	n			
0.1	The product of a		umber and it	s reciprocal is	(1)
	(a) 0 (b)		(c) - 1	(d) none of these.	
Q:2	Which of the foll	owing is th	ne linear equa	ation	(1)
	(a) $x+3=0$ (b)	5x2-9	(c)9x +6x3	(d) none of these.	
Q.3	The number of d	igits in the	square root	of 298116 is	(1)
	(a) 4 (b)	170	(c) 6	(d) 3.	
Q:4	A regular polygo	n means	ANS:	4534	(1)
	(a) equilateral		uiangular	(c) (a) & (b) both	(d) none of these.
			Section	on B	
Q.5	Sum of two numb	ers is 108	. If one excee	ds the other by 42, fi	nd the numbers. (2)
Q.5	Find four rationa	Inumbers	between -	$\frac{5}{3}$ and $-\frac{5}{4}$.	(2)
9.7	The adjacent side	es of a par	allelogram ar	e in the ratio 7:2.If p	erimeter of the
	parallelogram i				(2)
0.8	Number of childs	en belong	ing to 20 fam	illes are as follows:	(2)
	5, 2, 3, 3, 1, 2, 2,	4, 2, 5, 4, 1	, 1, 2, 3, 4, 3,	2, 1, 1 .	
	Draw a frequency	distributi	on table.		
Q.9	An unbiased dice	is thrown	.What is the	Probability of getting	(2)
	(1) an odd numb	er.			
	(2) a number bet	ween 2 ar	nd 5 .		
Q.10	Solve for $x:\frac{\{(2x)\}}{x}$	+3)-(5x+7)	1 = -8		(2)
1	DOITE TOT M.	6x+11	Section	an C	
			Section	on c	
Q:11	Find the square r	oot of 298	3116 by long	division method .	(3)
Q-12				nated Rs 2401 in all, for	A SECURIT OF PRINTING ASSESSMENT OF THE PARTY OF THE PART
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- National Relief Fund. Each student donated as many rupees as the number of students in the class. Find the number of students in the class. (3) Construct a quadrilateral RUSH, such that RU=5.6cm, ∠U=1050, SH=5cm, Q.13 US=6cm, and UH = 4.5cm. (3) 0.14 The sum of interior angles of a polygon is three times the sum of its exterior angles. Determine the number of sides of the polygon. (3) Evaluate $\sqrt[3]{-\frac{2197}{125}} + \sqrt[3]{\frac{13824}{27}}$ Simplify $\{\frac{3}{5} + \frac{2}{9} * \frac{6}{5} - \frac{7}{3} \div \frac{5}{3} + \frac{2}{3}\} \div \{\frac{3+4*6}{4*5+7} + \frac{2}{5} * \frac{5}{3}\}$ Ø.15 (3) Q.16 (3) The angles P,Q,R and S of a quadrilateral PQRS are in the ratio 1:3:7:9. Q.17 (4) (i) Find the measure of each angle. (ii) Is PQRS a trapezium? Why? (iii) Is PQRS a parallelogram? Why? Ram Prasad has a narrow rectangular plot in his village. The length and breadth of the
 - plot are in the ratio 11: 4. He donates the plot to the Gram Panchayat for a school. If at the rate or Rs. 100 per meter it will cost the village panchayat Rs 75000 to fence the plot. What are the dimensions of the plot. What are the values exhibited by Ram Prasad.

 (4)

Q.19 On a particular day, the sales (in rupees) of different items of a baker's ship are given below:

160 40 80
90
ou
60
. 20
360

Draw a pie chart for this data.

(4)

Q.20 The volume of a cubical box is 91125 cm³. Find the length of a side of the box. What will be the area of each face of the cube. Find the volume of the cube if each side is doubled.

(4)