	ಕರ್ನಾಟಕ ಕ	ಶಾಲಾ ಪರೀಕ್ಷೆ 1	ಮತ್ತು ಮೌಲ್ಯ	ನಾರ್ಣಯ ಮಂಗ -560003	ತಅ						
KSQAAC, Malleshwaram, Bengaluru–560003.											
ಮೌಲ್ಯಾಂಕನ – ಮಾರ್ಚ್ 2024 ಮಾದರಿ ಪಶೋತರ ಪತಿಕೆ											
	Assessment	t - March 202	- 4 Model Ou	estion Paper							
Class : 8		Subject : Ma	thematics	Time : 2	Marks : 50 Hours 30 Min						
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Put "✓" mark i	for applicable i	nformation)		_							
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Info	ormation to be	filled by the Ex	valuator at the	e time of evaluat	Information to be filled by the Evaluator at the time of evaluation						
Question		1		1							
	Obtained	Question	Obtained	Question	Obtained						
Number	marks	Question Number	Obtained marks	Question Number	Obtained marks						
Number 1	marks	Question Number 11	Obtained marks	Question Number 21	Obtained marks						
Number 1 2	marks	Question Number 11 12	Obtained marks	Question Number 21 22	Obtained marks						
Number 1 2 3	marks	Question Number 11 12 13	Obtained marks	Question Number 21 22 23 24	Obtained marks						
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Number 1 2 3 4 5 6	Obtained marks	Question Number 11 12 13 14 15 16	Obtained marks	Question Number 21 22 23 24 25 26	Obtained marks						
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Signature of the Evaluator : _____

2

I. Four alternatives are given for each of the following questions / incomplete statements. Choose the appropriate one and write along with the alphabets.

 $16 \ge 16 = 16$

- 1. The rational number that does not have a reciprocal is C. $\frac{3}{5}$ B. 0 A. -1 D. 1 Answer: The operation that is not closed for rational numbers is 2. A. Addition B. Subtraction C. Multiplication D. Division Answer: 3. Unit digit of the square of 169 is B. 3 A. C. 6 D. 9 1 Answer: 4. A linear equation in one variable among the following is A. $x^2 + 2x = 8$ B. $x + x^3 = -6$
 - C. $\frac{5}{3}x + \frac{7}{5} = \frac{2}{7}$ D. $\frac{5}{x} + \frac{x}{3} = \frac{5}{7}$ Answer:

5. One of the like term of 7xy is



6. If x and y are in direct proportion, then for some non-zero real constant k,



- 7. One or more outcomes of a random experiment make
 - A. an experiment B. chance
 - C. a trial D. an event

Answer:

- 8. A nine sided polygon is called
 - A. heptagon

- B. nonagon
- C. octagon D
 - D. decagon

Answer:

- 4
- 9. With the usual notations, Euler's formula for a polyhedron is
- 10. Among these numbers, 108 is completely divisible by

A. 5	B. 11	C. 7	D. 9
Answer:			

- 11. Usual form of $100 \times a + 10 \times c + b$ is
- 12. Perfect cube among the following is

A. 1728	B. 827
C. 888	D. 2700
Answer:	

13.	Standard	form	(Scientific	notation)	of 0.000003 is
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A. 3×10^{6}	В.	3 × 10 ⁻⁶
C. 3×10^{-5}	D.	3×10^5
Answer:	-	
14. Percentage form of 3:4 is		
A. 75%	B.	$\frac{3}{4}\%$
C. 34%	D.	12%
Answer:	-	

15. The data that changes continuously over periods of time can be displayed by

5

A.	pictograph	B.	bargraph

C.	line graph	D.	circle graph
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Answer:

16. A die marked with 1, 2, 3, 4, 5, 6 on its faces (one number on on face) is thrown once.The probability of getting the outcome '2' is



6

II. Answer the following questions

17. How many natural numbers lie between 11^2 and 12^2 ?



- 19. Write the formula used to find total surface area (in sq.units) of a cuboid, whose length, breadth and height are '*l*' unit, '*b*' unit and '*h*' unit respectively.
- 20. In the coordinate system, where does a point whose x-coordinate is zero and y-coordinate is non-zero lie?

21. 24 years ago, ratio of ages of Rama and Shashi was 4:5. Now, this ration is 8:9. Find their ages 24 years ago.

22. By prime factorisation method, find the cuberoot of 2744

23. Subtract 3 - $7x + 5x^2$ from $7x^2 - 4x + 2$

24. Divide $(5y^3 - 125y)$ by (y + 5) by factorising the expressions.

9
25. Find the sum of the interior angles of a 10 sided convex polygon.
26. 6 Identical pipes are required to fill a tank in 1 hour 20 minutes. How long will it take if only 5 pipes of same type are used?

[Turn over

	10	
IV.	Answer the following questions	$3 \ge 3 = 9$
	27. Find the smallest perfect square number that is divisible by 6, 8 and 18.	
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28. Suvarna purchased a watch for ₹1460. After few months, she spent ₹340 for its repair and sold it at a loss of 8 percent. Find its selling price and hence the loss incurred by her.

- 29. Construct the quadrilateral FOUR with FO = 5.5cm, OU = 4cm, UR = 5cm, RF = 4.5cm and OR = 6.5cm.

V. Answer the following question

30. Length and breadth of a rectangular garden are 30m and 22m respectively. Find the total cost of constructing a path of uniform width 1.5m around and outside this garden at the rate of ₹150 per square metre.



VI. Answer the following question

31. Shweta spends her time during a day for differnt activities as follows.

Activity	School	Home Work	Play	Sleep	Others
Time (in hours)	6	4	3	8	3

Draw a Pie chart for this data.

