Sylhet Cadet College Fortnightly Examination - 2024 Class: VII

2nd Term Subject: Mathematics

Time: 40 minutes Full Marks: 20

Answer all the questions. Figures in the right indicate full marks. $\,$

1.	Write in exponential form:	$1.5 \times 2 = 3$
	(a) $6^3 \times 6^2 \times 6^5$ (b) 36^5	
2.	. A freelancer earns 10 taka on the first day of his work. Everyday he earns double of the previous	day.
	(a) Express the process with a formula	2
	(b) How much will he earn on 7th day?	1
	(c) What is total earning after the end of 10 days?	2
	Find GCD of $\frac{1}{2}$ and $\frac{1}{3}$	2
4.	Find LCM of	
	(a) $\frac{1}{6}$ and $\frac{1}{8}$ (b) $\frac{1}{4}$ and $\frac{3}{11}$ (using formula)	2
5.	Solve the following problems	
	(a) $8x - 7 = 5x + 23$	2
	(b) A number is doubled and then 5 added to it. The new number is 35. What is the original nu	mber? 2
	(c) The summation of two numbers is 30. The bigger number is 5 times the smaller number. What are the numbers?	2
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