PAPER - II (PART - B : ARITHMETICS)

-4-

The figures	in	the	margin	indicates	full	marks	for	the	questions.	
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Choose the correct answer -

(a) The multiplicative inverse of $\frac{1}{3}$ is
(i) 3 (ii), 1 (iii) $\frac{3}{1}$ (iv) - $\frac{1}{3}$ (b) The additive inverse of $\frac{5}{9}$ is - $\frac{5}{9}$ $\frac{1}{9}$ (iv) - $\frac{5}{9}$ (i) $\frac{9}{5}$ (ii) $\frac{9}{5}$ (iii) $\frac{9}{4}$ (iv) - $\frac{5}{9}$

The product of x - 2 = 7 is -(ii) 9 · (iii) 10

A loaded truck travels 14 km in 25 minutes. If the speed remains the same, how far is it travel in 5 hours.

(i) 178 km (ii) 198 km (iii) 168 km (iv) 187 km

In a computer lab there are 3 computers for every 6 students. How many computers will be needed for 42 students?

Three consecutive integers added up to 51. What are three integers?

In an election candidates A get 75% of the total valid votes. If 15% of the total votes were elector invalid and the total number of votes is 560000. Find the number of valid vote polled in favour of candidate. 35700

A man sold two plots for Rs. 8 lakhs each. One on the evens a profit of 16% and the other losses 16%. How much does he loss or gain in the whole transaction? noton (3)

A man buys a cycle for Rs. 1400 and sell it at a loss of 15%. What is the selling 6. price of the cycle? 1190 (3)

A milkman bought 70 litres of milk for Rs. 630 and added 5 litres of water. If he sells it at Rs. 9.00 per litre. What is his profit percentage? 7.13

, 30 , 50 10 (1x3=3) Convert the following into -(a) $\frac{12}{5}$ as a percent. (b) 30% into decimal (c) 16.66 as a fraction

I purchased a hair-dryer for Rs. 5400 including 8% VAT. Find the price before VAT was added. 496Y9 (4)

Find the following -(3x2=6)

(a) A speed of 6 m/sec into km/hr. (b) A speed of 35 km/hr into m/sec.

6x 19 5 +9 - 25+81 30

