

08) Simplify : $24+12\div 6$

09) Expand and simplify $5^2 \times 3^3$

10) How many minutes in 5 days?

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Part-II**❖ Answer any 5 questions**

1)

A) $A = \{\text{composite numbers between 1 and 15}\}$

i) Write the elements of set A in double brackets

ii) Represent this set in Venn diagram.

iii) $B = \{1, 3, 6, 10, 15\}$, write set B using a common property of its elements.

B)

i) Fill in the blanks $343 = \square^3$ ii) $256 = 4^x = y^2$, Find the value of x and yiii) Find the value of $4b^a$, if $a=5$ and $b=3$

2)

A) Write two numbers which is divisible by 6, using each of the digit 0, 3, 5 and 7 exactly once

B) Simplify

i) $120 \div 5 + 7$ ii) $11 \times 3 + 120 \div 5 - 6$ iii) $(12 \div 3 \times 5) \div 4 \times 2 + 6$ 

iv) Rs. 100, rent charged for the first kilometer and Rs.60 for each additional kilometers for a vehicle
write the expression for the charge for 32km of journey and simplify it.

03) a. AD 1850

i. Which decade does it belong to

ii. Which century does it belong to

b.

i. Add

Year	month	date
15	11	25
13	08	17 +

ii) Subtract

day	hour	minute
05	02	13
03	18	46 -

c. Date of birth of Kumaran and Sutharsan are 1995-05-21 and 2000-02-25 respectively.

i. Find how old Kumaran and Sutharsan are on 2023-06-20

ii. Find how much older Kumaran is to Sutharsan by using their ages.

APL



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