TEST - PAPER (CBSE/NCERT)

REAL NUMBERS

SESSION -2024-25

CLASS - 10th

JOIN TODAY FOR ADVANCE CONCEPTS ONLY IN ₹2000 PER MONTH

MRP: ₹ 100/- ONLY

ALSO, BASIC CONCEPTS CLASSES IN SUMMER VACATION Apr, May & Jun (Every Year)

6th to 10th (Math's & Science), 11th & 12th (Physics, Chemistry, Math's)

Time: 1:00 hrs -: Test - Real Numbers: mm: 40

B. 1. Multiple choice questions: -

(i) The largest number which divides 70 and 125. leaving remainder 5 and 8 respectively, is:

(b) 65 (c) 875 (d) 1750

(ii) If two positive integers a and b are written as a = x3y2 and b = xy3; x,y are prime humber, then Hef (a,b) is: (a) 2y (b) 2y² (c) x³y³ (d) x²y² (

(111) The product of a non-zero rational number and an irrational number is:

(a) always irrational (b) always rational (c) rational or irrational (d) one.

(iv) The least number that is divisible by all the numbers from 1 to 10 (both inclusive) is:

(a) 10 (b) 100 (c) 504 (d) 252

(V) Hef of (6,20) is:

(g) 6 (b) 20 (c) 2 (d) 120

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6th to 10th (Math's & Science), 11th & 12th (Physics, Chemistry, Math's)

B. 2. Fill in the blanks:

(i) v3 is a/an ---- humber.

(ii) Vp is called a ----, Where Pispaine Number.

(iii) product of the Smallest power of each Common sime factors in the numbers is called _____

(is very number P/2, where p and 2 are Co-prime integers and 2 to is called ----.

() HCF (a,b) X Lcm (a,b) = ----



OL. 3(9) match the columns :-

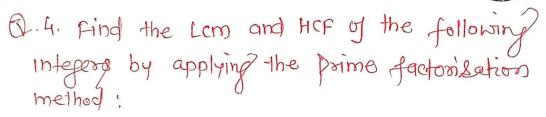
- (i) an+1, where n is any Positive Integer_
- (9) Real Numbers
- [ii) 2m, Where m is any positive (b) Imaginary numbers
 Integer.
- (iii) Rational and irrational number (c) odd numbers
- (iv) V-P, Where p is positive integer (d) Even numbers
- (v) positive integers



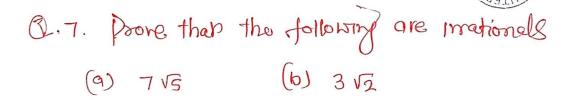
(e) Natural Numbers

6th to 10th (Math's & Science), 11th & 12th (Physics, Chemistry, Math's)

- B. 3 b) Find the LCm and HCF of the town following Pairs of integers and verify that LCM X HCF = Product of the two humbers.
 - (9) 6 and 20 (b) 26 and 91



- (a) 8, 9 and 25 (b) 17,23 and 29
- Q. 5. Given that HCF (306,657)=9, find Lcm (306,657).
- Q. 6. Prove that V5 is irretional. Cassi



& 8. Prove that V3+VS is irrational.

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