



BY: WWW.THENOTES.TK

MATH'S HOME WORK NO.5

DURATION: 1 HOUR

DATE: 14/4/2010 WEDNESDAY

MAXIMUM MARKS= 20

Answer the following in one word:-

Q1) Let p & q be two different prime numbers. Write H.C.F. (p, q). (1)

Q2)

i) Fill in the blanks $\sqrt{5}$ is a _____ number (rational/irrational no.) (1)

ii) If $\frac{p}{q}$ is a rational number then p & q are _____ and q is _____ to 0. (2)

iii) $\sqrt{27}$ is a i) rational number or an ii) irrational number (tick the correct choice) (1)

Q3) If p be a prime number then \sqrt{p} is a _____ number. (2)

Q4) If 2 divides a^2 then 2 divides a where a is a positive integer (true or false) (2)

Q5) The prime factors of 98 are _____ (2)

Q6) The exponent of 2 in the prime factorization of 144 is _____ (2)

Q7) The product of the two numbers is 1080, and their HCF is 30, LCM is _____ (2)

Q8) The condition to be satisfied by q so that a rational number $\frac{p}{q}$ has a terminating decimal representation is _____ (2)

Q9) The condition to be satisfied by q so that a rational number $\frac{p}{q}$ has a non-terminating decimal expansion. (2)