MHT CET Memory-Based Question Paper 2021
24 September 2021

- Which of the following is a soft metal?
- Area under curv x=y and x = -1 x = 2
- Which of following is alpha amino acid
- If A adj = [-10 0 0] [0 -10 0] [0 0 -10] Then |A| =?
- Lesser acidic from, HF HCl HBr HI
- Polymer used for the shopping bag
- The polymer of the tyre? A.Neoprene, B.SBR
- The maximum area of the rectangle in the circle of radius r
- a.sin(thita) =b.cos(thita) then acos2thita+bsin2thita= A. a/b
- Volume of bcc lattice
- What product is formed when vapour of phenol and hydrogen is passed over nickel catalyst (Ans . Cyclohexanol)
- A stone is projected in two ways : 1) Vertically upwards with velocity V. 2)With an velocity V which has angle 60 degree with vertical. What is the ratio of their Potential Energies at the highest point.
- Integration of { x.[x] dx} from 0 to 4, wher [ ] is greatest integer function.
- If velocity is given by $6t-t^2/2$, distance at t=0 is 0 then what is its distance at t=3 sec?
- |ā|=5, |b|=4, (ā+kb) and (ā-kb) both are vectors which are perpendicular to eack other.Vlaue of k equals:
- Equation of pair of straight lines is ax^2 + bxy -y^2 = 0, what is the tangent of the angle between the two straight lines.[Ans. b÷(1+a)]
- Two particles of mass m are attached to ends of a massless rod of length l and are in rotation.The radius of gyration for axis through midpoint of the rod is k and angular momentum of this body is L. Then what is the angular frequency of the rotating body
- In a triangle with usual notations a^2, b^2, c^2 are in a.p. then the value of sin 3B ÷ sin B equals
- Circle with centre (2,5) has a chord whose midpoint is (1,2) what is the eqquation of the chord.