NMAC Unit-TV model Questions

- 1) Find a unit named vector to the surface at a given print.
- 2) Find the directional derivative of of (2,7,8) of the print in the direction of a vector.
- 3) Find the angle between two swiferes 5(x,7,8)=c & g(x,8,8)=d.
- 4) Find the divergence and curl of a vector point bunction. at a point P.
- Find the work done in moving a porticle in the true tield F along (a) the strongest line from A to I (b) the curve defined by f(x,7,3) = 0, g(x,7,3) = 0 from x = a to x = b.
- 6) Evaluate tre line integral [F. dR tre given F and
- 7) vorify green's theorem for & F. dR for a given c.
- where F. dR = \$ (x,5) dx + 4(x,5) dy.
- 8) toply green's theorem evaluate of (dx+4dy) to the given c.
- 9) vority Gauss-Divorgence treden to a given F over tre given closed swiface
- 10) Apply Gauss-Divergence tradem evaluate SF.d5 to
- spen surface bounded by a closed curve C.
- 12) Apply Stokes thesem evaluate & F.dR to the given curve c.