**QUIZ-1**

1. Which is not the property of scalar ( )

a) A.B=B.A b) A.(B+C)=A.B+A.C c)A.A=A2 d) AxB=BxA

2. The range of parameter ∅ in cylindrical c.s. ( )

a) 0< ∅< π b) 0< ∅ < 2π c) 0< ∅ < ∞ d) -∞<∅ < ∞

3. ρ interms of cartesian c.s. ( )

a) X2+Y2

b) X2-Y2

c) √( X2+Y2)

d) √( X2-Y2)

4. Alternate formula of coulombs law is ( )

a) F=QE b) F=Q/E c)F=Q+E d) F=Q-E

5. Differential volume in Cartesian c.s\_\_\_\_ ( )

a) dxdydρ b) dydzd∅ c) dxdzdɵ d) dxdydz

6. Point form of Gauss law is \_\_\_\_\_\_\_\_\_\_

7. Formula for E due to infinite surface charge \_\_\_\_\_\_\_\_\_\_

8. Work equation is \_\_\_\_\_\_\_\_\_\_\_

9. Absolute Potential is defined as\_\_\_\_\_\_\_\_\_\_\_

10. ▼XE=1 ( )

[State TRUE or FALSE]