Periodic Test-1

Class:XII Maths Time:8am to 9.30am

Answer the following questions:

1. If A= [],then find ,satisfying 0<<,when A+AT= I Where AT is the transpose of A.

2. Find the projection of a⃗ on b⃗, if a⃗.b⃗=8 and b⃗=2i⃗+6j⃗+3k⃗.

3. Prove that the function f:N→N is defined by f(x)=x2+x+1 is one to one but not onto.

4.If A and B are two independent events such that P(A)= ,P(B)= ,then find P(neither A or nor B).

5.Using the principle values ,find the value of cos-1( cos ).