|  |  |  |  |
| --- | --- | --- | --- |
| 1 | If  and, then  is polynomial of degree | (A) 0  (B) 1  (C) 2  (D) 3 | B |
| 2 | , where  is non-real, can be an  angle of a triangle, if | (A)  (B)  (C)  (D) None of these | A |
| 3 | Let  and . If  is a vector  such that  and the angle  between  and  is 30o, then  is | (A)  (B)  (C) 1  (D) None of these | A |
| 4 | The vector equation of line of intersection of plane  and    being non-coplanar vectors is | (A)  (B)  (C)  (D) None of these | D |
| 5 | Let  are real. The set of all values of  for  which the system of linear equations        has a non-trivial solution is | (A)  (B)  (C)  (D) None of these | C |