**NOVEMBER III WEEKLY TEST**

**CLASS XII MATHS**

**Time-30min M.M.10**

***NOTE:- Attempt all the questions.***

**1..A man has Rs 1500 for purchasing wheat and rice. A bag of rice and a bag of wheat cost Rs 180 and Rs 120 respectivelly . He has a storage capacity of only 10 bags. He earns a profit of Rs11 and Rs 9 per bag of rice and wheat respectively . Formulate the problem as an LPP to find the number of bags of each type he should buy for getting maximum profit and solve it graphically. (4)**

**2.An aeroplane can carry a maximum of 200 passengers. A profit of Rs 1000 is made on each executive class ticket and a profit ofRs 600 is made on each economy class ticket . The airline reserves at least 20 seats for the executive class. However, at least 4 times as many passengers prefer to travel by economy class than by the executive class . Determine how many tickets of each type must be sold, in order to maximize profit for the airline. What is the maximum profit ? Make an LPP and solve it graphically.**

**(6)**

**THE END**