**First Mid Term Exam Math 425**

**Question 1**

**a)Classify each of the following PDEs as linear,quasilinear, Almost linear ,or nonlinear and state its order:**

**i)**

**ii)**

**iii)**

**b)Show that:**

**Question2**

**Find the general solution of:**

**a)**

**b)**

**c)**

**Question 3**

**a)Determine the integral surface which passes through the given curve:**

**b)**