

## PFA FILE 3

- ANSWER 1= d) Collinearity  
ANSWER 2= b) Random Forest  
ANSWER 3= c) Decision Tree are prone to overfit  
ANSWER 4= a) Data Training  
ANSWER 5= c) Anamoly detection  
ANSWER 6= c) Case based  
ANSWER 7= d) Both a and b  
ANSWER 8= c) Both a and b  
ANSWER 9= c) 3  
ANSWER 10= a) PCA  
ANSWER 11= c) Neither feature nor number of groups is known  
ANSWER 12= b) SVG  
ANSWER 13= b) Underfitting  
ANSWER 14= a) Reinforcement learning  
ANSWER 15= b) Mean squared error  
ANSWER 16= c) Nonlinear, binary  
ANSWER 17= A) supervised learning  
ANSWER 18= C) both a and b  
ANSWER 19= A) removing columns which have too many missing values  
ANSWER 20= C) input attribute.  
ANSWER 21= A) SVM allows very low error in classification  
ANSWER 22= B) Only 2  
ANSWER 23= A)  $-(6/10 \log(6/10) + 4/10 \log(4/10))$   
ANSWER 24= A) weights are regularised with the l1 norm  
ANSWER 25= B) Logistic regression and Gaussian discriminant analysis  
ANSWER 26= D) Either 2 or 3  
ANSWER 27= B) increase by 5 pound  
ANSWER 28= D) Minimise the squared distance from the points  
ANSWER 29= B) As the value of one attribute increases the value of the second attribute also increases  
ANSWER 30= B) Convolutional Neural Network