File – 3

- **Q1.** d) Collinearity
- **Q2.** b) Random Forest
- **Q3.** c) Decision Tree are prone to overfit
- **Q4.** c) Training data
- **Q5.** c) Anamoly detection
- **Q6.** c) Case based
- **Q7.** d) Both a and b
- **Q8.** c) Both a and b
- **Q9.** c) 3
- **Q10.** a) PCA
- **Q11.** c) Neither feature nor number of groups is known
- **Q12.** b) SVG
- **Q13.** b) Underfitting
- **Q14.** a) Reinforcement learning
- **Q15.** b) Mean squared error
- **Q16.** c) Nonlinear, binary
- **Q17.** A. supervised learning
- **Q18.** C. both a and b
- **Q19.** A. removing columns which have too many missing values
- **Q20.** B. hidden attribute
- **Q21.** (A) SVM allows very low error in classification
- **Q22.** (B) Only 2
- **Q23.** (A) -(6/10 log(6/10) + 4/10 log(4/10))
- **Q24.** (A) weights are regularized with the l1 norm
- **Q25.** (B) Logistic regression and Gaussian discriminant analysis
- **Q26.** (D) Either 2 or 3
- **Q27.** (B) increase by 5 pound
- **Q28.** (D) Minimize the squared distance from the points
- **Q29.** (C) As the value of one attribute decreases the value of the second attribute increases
- **Q30.** (B) Convolutional Neural Network