Ans 1. a) Performance

Ans 2. b) Random Forest

Ans 3. d) all of the above

Ans 4. c) Training data

Ans 5. c) Anamoly detection

Ans 6. c) Case based

Ans 7. d) Both a and b

Ans8. c) Both a and b

Ans 9. c) 3

Ans 10 a) PCA

Ans 11 c) Neither feature nor number of groups is known

Ans 12 b) SVG

Ans13. b) Underfitting

Ans 14. a) Reinforcement learning

Ans 15. b) Mean squared error

Ans 16 b) Linear, numeric

Ans 17 A. supervised learning

Ans 18 C. both a and b

Ans 19 A. removing columns which have too many missing values

Ans 20 C. input attribute

Ans 21 (A) SVM allows very low error in classification

Ans 22 (B) Only 2

Ans 23 (A) -(6/10 log(6/10) + 4/10 log(4/10))

Ans 24 (A) weights are regularized with the l1 norm

Ans 25 (B) Logistic regression and Gaussian discriminant analysis

Ans 26 (D) Either 2 or 3

Ans 27 (B) increase by 5 pound

Ans 28 (D) Minimize the squared distance from the points

Ans 29 (A) The attributes are not linearly related

Ans 30 (B) Convolutional Neural Network