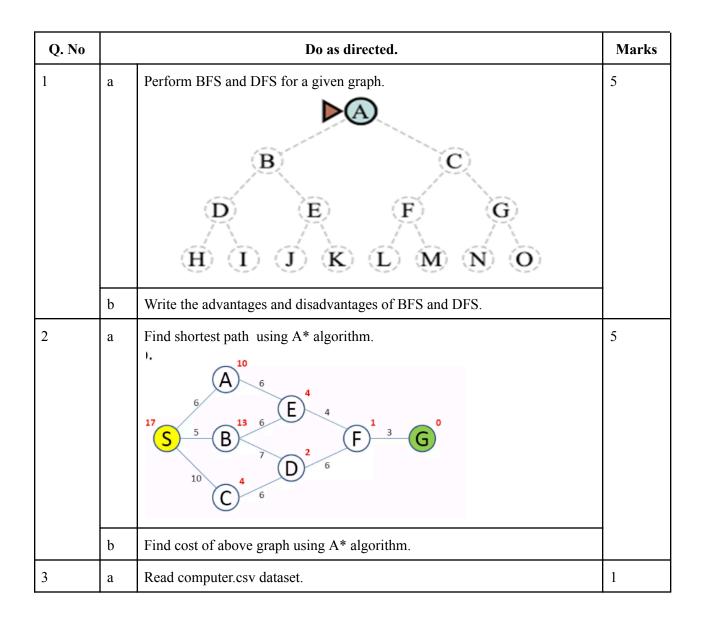
RK UNIVERSITY SCHOOL OF ENGINEERING SEE (April-2024)

Program: B. Tech.Semester: VIDate : 13/04/2024Reporting time: 8:00AMDuration: 90 MinsTotal Marks: 50Subject :CE628 Artificial Intelligence and Machine Learning

Dataset download link: 🗅 SET-3



| | b | Build regression model | 2 |
|----|---|---|---|
| | с | Find accuracy of model? Conclude model is overfitting, underfitting or well fitted? | 2 |
| 4 | a | Explore dataset "std_marks_data.csv ". | 1 |
| | b | Find missing values and fill them with mean values. | 2 |
| | c | Segregate input and output. Fit model with appropriate ML algorithm. | 2 |
| 5 | a | Define purpose of SVM and KNN. | 1 |
| | b | Give the difference between overfitting and underfitting. | 2 |
| | c | List different metrics used for classification and regression tasks. | 2 |
| 6 | a | Read dataset "spambase.csv". | 1 |
| | b | Split the data into a train and test set. | 2 |
| | c | Implement Random forest algorithm. | 2 |
| 7 | a | Find no. of columns and rows from the dataset given in question no. 8 | 1 |
| | b | Which algorithm is used for bagging and boosting. | 2 |
| | c | Implement boosting. | 2 |
| 8 | a | Read iris.csv dataset. | 1 |
| | b | Encode the species column with numerical values. And replace label 'setosa' with '0', 'versicolor' with '1' and 'virginica' with '2'. | 2 |
| | c | Build multiclass SVM. | 2 |
| 9 | а | Consider the Q. 8 dataset and find is there any null value? If yes, deal with it. | 1 |
| | b | Create a new column in the dataframe (v_nv), that distinguishes the species - 'versicolor'(marked by 0) from rest. | 2 |
| | c | Visualize data using seaborn - pairplot. | 2 |
| 10 | a | Read mobile.csv dataset. | 1 |
| | b | Apply MinMaxScaler() on Age and EstimatedSalary. | 2 |
| | c | Split the dataset into training and testing and build KNN model. | 2 |

*******ALL THE BEST********