B. TECH. (COMPUTER SCIENCE & BUSINESS SYSTEMS) (CBCS - 2018 COURSE)
B.Tech. (CSBS) Sem - V :SUMMER- 2022
SUBJECT : MACHINE LEARNING

Day : Monday
Date : 6/6/2022

S-20468-2022

Time : 10:00 AM-01:00 PM
Max. Marks : 60

N.B.:

1) All questions are **COMPULSORY**.
2) Figures to the right indicate **FULL** marks.
3) Draw neat diagrams **WHENEVER** necessary.
4) Use of non- programmable **CALCULATOR** is allowed.

Q.1	What is Machine Learning? Explain in brief about the major models available for Machine Learning.	**(10)**

OR

Q.1	Explain various applications of Machine Learning in more detail.	**(10)**
Q.2	Compare in detail: Training and Testing classifier models of Machine Learning.	**(10)**

OR

Q.2	How does the model evaluation is done in Machine Learning? Explain in detail.	**(10)**
Q.3	Explain the role of support vector machines in Machine Learning? Consider appropriate example to explain.	**(10)**

OR

Q.3	Compare the Division Tree and Random forests in detail.	**(10)**
Q.4	How does the sequence classification is done using Hidden Markov Model? Explain in detail.	**(10)**

OR

Q.4	Explain in detail: Applications of sequence classification.	**(10)**
Q.5	Explain the role of Apriori Algorithm in Machine Learning? Consider real time example to explain.	**(10)**

OR

Q.5	What is Multi-variable regression in Machine Learning? Explain in detail.	**(10)**
Q.6	How does the clustering is done using Maximum spanning tree in Machine Learning? Explain in detail.	**(10)**

OR

Q.6	What is DBSCAN? Explain its role and application of Machine Learning.	**(10)**

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