

SEAT No. _____

No. of printed pages: 2



SARDAR PATEL UNIVERSITY
T.Y.B.C.A. SEMESTER – VI (CBCS) EXAMINATIONS – 2022
US06BCA25: Current Trends in IT

Saturday, 25th June - 2022

Time: 10.00 AM to 12.00 PM

Max. Marks: 70

Q-1 Multiple Choice Questions.

[10]

1. _____ Investigates how computers can learn based on data.
A. Machine Learning C. Data Mining
B. Data Warehouse D. None
2. _____ typically gathers data from multiple, heterogeneous, and external sources.
A. Refresh C. Load
B. Data Cleaning D. Data Extraction
3. _____ processing supports basic OLAP operations, including slice-and-dice, drill-down, roll-up, and pivoting.
A. Analytical C. Image
B. Data D. Information
4. AI means _____
A. man-made thinking power C. Both A and B
B. natural thinking power D. None of these
5. _____ is a strategy of an expert system to answer the question, "Why this happened?"
A. Forward Chaining C. Both A and B
B. Backward Chaining D. None of these
6. The first page that you normally view at a Website is called _____.
A. Home page C. First page
B. Master page D. None of the above
7. An _____ is a private computer network.
A. Extranet C. Intranet
B. Internet D. None
8. PPC stands for _____.
A. Pay-Per-Click C. Page-Pay-Click
B. Per-Page-Click D. Pay-Page-Click
9. Which one of the following cloud concepts is related to sharing and pooling the resources?
A. Encapsulation C. Abstraction
B. Polymorphism D. Virtualization
10. IoT is an advanced automation and analytics system which deals with?
A. sensor, networking C. cloud messaging
B. electronic D. All of the above

Q-2 Fill in the blanks and True / False.

[08]

1. A medical practitioner trying to diagnose a disease based on the medical test results of a patient can be considered as a _____ data mining task.
2. _____ learning is a type of learning in which an AI agent is trained by giving some commands, and on each action, an agent gets a reward as a feedback.
3. A _____ is a software program, which serves the web pages requested by web users using a browser.
4. IoT stands for _____.
5. The middle tier in data warehouse architecture is OLAP server. [True / False]
6. Knowledge Engineer acquires information from subject expert by recording, interviewing, and observing him at work. [True / False]
7. A web page is given an online address called FTP. [True / False]
8. Private cloud provides a high level of security and privacy to data through firewalls and internal hosting. [True / False]

Q-3 Attempt any Ten out of Twelve.

[20]

1. Define Data warehouse. Also list key features of it.
2. Differentiate: Enterprise warehouse and Data mart
3. What is Data mining? List various areas where data mining is widely used.
4. List out advantages of AI.
5. Explain forward chaining in brief.
6. List out components of Expert system.
7. Define SEO and list out primary functions of search engine.
8. Define website. List out various types of website.
9. Define: WWW, URL.
10. List out types of clouds.
11. Define: Arduino, Zigbee
12. List out advantages of IOT.

Q-4 Attempt any Four out of Eight.

[32]

1. Explain the Process of Knowledge Discovery in Database (KDD) with diagram.
2. List and explain types of Data Analytics in detail.
3. List out most common subsets (related fields) of AI and explain any three of them.
4. Write note on: Fuzzy Logic
5. What is Internet Marketing? Explain types of Internet Marketing in detail.
6. Explain types of search engine SEO factors in details.
7. List the cloud service and explain any two services in detail.
8. List and explain components of cloud computing Architecture.
