FIFTH SEMESTER B.Voc. DEGREE EXAMINATION, NOVEMBER 2023
(CBCSS - UG)
CC21U SDC5 BD19 - BIG DATA AND CLOUD PLATFORM FOR IOT
(Information Technology)
(2021 Admission - Regular)

Time : 2.5 Hours   Maximum : 80 Marks

Credit : 4

Part A (Short answer questions)
Answer *all* questions. Each question carries 2 marks.

1. Explain about the two categories of big data technology.

2. Explain what is PIG.

3. Summarize MapReduce.

4. Analyse R language.

5. Dissect the advantage of using machine learning with mahout.

6. Categorize the types of data models in PIG.

7. Inspect intercloud.

8. Organize SOAP.

9. Dissect any two advantages of web services.

10. Demonstrate Grid Computing.

11. Demonstrate future scope of IoT

12. Demonstrate IoT device Management.

13. Assess future scope of IoT.

14. Validate any two features of SDN/NFV.

15. Write a critique on MQTT Publish subscribe architecture.

(Ceiling: 25 Marks)

Part B (Paragraph questions)
Answer *all* questions. Each question carries 5 marks.

16. Discuss six Big data Analysis Technique.

17. Organize a note on Recursion.

18. Examine in detail types of analytics.

19. Analyze Cloud Computing. Categorize different types of clouds.

20. Detect Private cloud. Dissect it's advantages.

21. Demonstrate how to build an architecture in IoT.

22. Appraise the features of Google Cloud IoT platform.

23. Prioritize any four cloud IoT security controls.

(Ceiling: 35 Marks)

Part C (Essay questions)

Answer any *two* questions. Each question carries 10 marks.

24. Explain execution and implementation of Hadoop MapReduce.

25. Explain big data processing using map reduce algorithm.

26. Demonstrate Cloud economics.

27. Demonstrate IoT Data management and its challenges.

(2 × 10 = 20 Marks)

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