

6662
BOARD DIPLOMA EXAMINATION
JUNE - 2019
DIPLOMA IN INFORMATION TECHNOLOGY
ADVANCES IN INFORMATION TECHNOLOGY
FIFTH SEMESTER EXAMINATION

Time: 3 Hours

Total Marks: 80

PART - A (3m x 10 = 30m)

Note 1: Answer all questions and each question carries 3 marks

2: Answers should be brief and straight to the point and shall not exceed 5 simple sentences

1. What is the difference between classical waterfall model and iterative waterfall model?
2. Write the history of Cloud Computing
3. What is grid computing?
4. Define data characterization & data discrimination
5. Differentiate between data mining and OLAP
6. List the applications of big data
7. Define semi-structured data
8. List the Relationships present in UML
9. What is Unified Modeling Language?
10. List some symbols used to represent the Things present in UML

PART - B (10m x 5 = 50m)

Note 1: Answer any five questions and each carries 10 marks

2: The answers should be comprehensive and the criteria for valuation is the content but not the length of the answer

11. (a) Explain how evolutionary model works
 (b) Write advantages and disadvantages of using this model
- * 12. Write difference between Distributed Computing, and Cloud Computing
13. a) List and explain the challenges of Cloud Computing
 b) Define Cloud Computing and Utility Computing
14. List & explain the forms of data upon which data mining is applied
- * 15. Explain about evolution analysis

16. Explain the classification of structures of big data
17.
 - a) Define the term usecase
 - b) What is the purpose of usecase diagram?
 - c) Explain how to draw a usecase diagram by taking an example
18.
 - a) List the goals of UML.
 - b) Explain how to draw a class diagram by taking an example.

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