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BOARD DIPLOMA EXAMINATION, (C-16)
MARCH /APRIL-2019
DCME- FIFTH SEMESTER EXAMINATION
ADVANCES IN COMPUTER TECHNOLOGY

TIME: 3 HOURS   Max.MARKS:80

PART-A

10X3=30M

Instructions: 1) Answer ALL questions.
                 2) Each question carries THREE marks.
                 3) Answers should be breif and straight to the point and
                      shall not exceed five simple sentences.

1) Write the purposes of Use Case Diagram.

2) Mention any three building blocks of UML.

3) How to Draw the Class Diagram.

4) List the risks of Big Data.

5) Write any three applications of Big Data.

6) List the applications of Virtual Reality.

7) Write key elements in Machine Learning.

8) Write the types of Machine Learning.

9) List the categories of Hackers.

10) Define Penetrate Testing.

PART-B

Instructions : 1) Answer any **five** questions.
2) Each question carries **ten** marks
3) Answers should be comprehensive and the criteria for valuation is the content but not the length of the answer.

11) Draw the Different Symbols used in UML notations.

12) List the types of Interacion Diagrams.

13) Explain the tools used in Big Data.

14) a) Write about the characteristics of Immersive virtual reality system.

 b) Write advantages and disadvantages of Virtual Reality.

15) a) Explain evolution of virtual reality.

 b) Explain semi- Immersive system.

16) Explain the Decision Tree Learning and Association rule Learning.

17) a) Compare between Information Security and Cyber Security.

 b) Write Operational Threat Environments.

18) a) List any three responsibilities of Ethical Hackers.

 b) List and describe various tools used in the Ethical Hacking process

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