1. What is UML? What are the united processes (UP) phases?

2. Explain the concept of Generalization?

3. Explain Domain Models?

4. Explain the concept of Activity Diagram?

5. Explain Relationship between sequence diagrams and use cases Logical architecture?

6. Write about GoF design patterns?

7. Explain UML state diagrams and modeling?

8. Explain UML class diagrams and interaction diagrams?
Answer any FIVE Questions 5*15 = 75M

1. Write about Network Architecture?

2. What are the issues in the datalink layer?

3. Write about Ethernet?

4. Describe wireless LANs?

5. Write about protocols in network layer?

6. Write about DNS?

7. Write about UDP and TCP?

8. Write about Email?
BCA III Year V Semester
ELECTIVE 1: Data mining & Ware Housing

Answer any FIVE Questions 5*15 = 75M

1. Define data mining? What are its functionalities?

2. What are methods involved in data preprocessing?

3. Define data warehouse? Explain its Architecture?

4. Explain how frequent item sets mined using Associations rules?

5. What are the issues regarding classifications and explain one classification method?

6. Write about Bayesian classification method?

7. Explain clustering methods?

8. Write about outlier detection?
BCA III Year V Semester
Elective -2 : Android Basics

Answer any FIVE Questions 5*15= 75M

1. What is Android, Android Tools?

2. Explain Anatomy of Android Application?

3. How to Creating Android Emulator?

4. Explain Transferring Files into and out of the Emulator?

5. Explain Activity, Linking Activity using Intent?

6. Explain Components of a Screen?

7. What is view? Explain Basic Views in Android Basics?

8. Explain Options Menu, Context Menu in android basics?

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Answer any FIVE Questions

1. Explain Purpose of testing, Dichotomies?

2. Explain Basics concepts of path testing, predicates?

3. Explain transaction flow testing techniques?

4. Explain Basics of dataflow testing, strategies?

5. Explain domain and interface testing?

6. Explain regular expressions & flow anomaly detection?

7. Explain State Graphs and Transition testing?

8. Explain matrix of graph, relations and power of a matrix?
BCA III Year V Semester
 Elective -2 : Principles of Animation

Answer any FIVE Questions 5*15= 75M

1. Explain Cell and Paper Animation, early Disney’s Cell Animation Processes?

2. What is Computer Animation? Explain 2-D Animation, 3-D Animation?

3. Explain Visual and creative development of an Artist?

4. Explain Basic Principles of Animation?

5. Explain Drama and Psychological Effect, Fade in and Fade out in animation?

6. Explain Animation Drawings/Cels, Rough Drawings in Animation?

7. Explain Color reference drawings in Animation?
BCA III Year VI Semester
Elective- II
Advanced software Testing

Answer any FIVE Questions 5*15= 75M

1. Explain Basic Aspects of Software Testing?

2. Explain Metrics and Measurement of Software Testing?

3. Explain Implementation and Execution of Testing Processes?

4. How to Evaluating Exit Criteria and Reporting in Software Testing?

5. Explain the different types of Test Techniques?

6. Explain Static and Dynamic analysis in Software Testing?

7. How to prepare Test Management Documentation?

8. Explain Testing of Software Characteristics?