

B.C.A DEGREE EXAMINATION

Second Year –second semester

MODEL PAPER

Paper-III: OPERATING SYSTEM

Time: Three hours

maximum: 75 marks

SECTION-A (5X15=75)

Answer any five questions

1. Explain about system components and operating system services.
2. Explain about memory management.
3. Explain the abstract views and operations of operating system.
4. Explain the process scheduling algorithms.
5. What is deadlock? Explain deadlock avoidance methods.
6. Explain the mass storage structures.
7. Explain the page replacement algorithms.
8. What is segmentation explain.

B.C.A DEGREE EXAMINATION

Second Year – Second semester

MODEL PAPER

Paper-III:object oriented programming using c++

Time: Three hours

maximum: 75 marks

SECTION-A (5X15=75)

Answer any five questions

1. What is a function explain different types of functions.
2. What is a constructor? Explain different types of constructors.
3. what is inheritance . Explain different types of inheritances.
4. what is exception . how to handle the exceptions in c++.
5. How perform the read and write operations on files in c++.
6. what is templet . Explain function templets in c++.
7. what is friend function . explain with example.
8. explain the operator overloading. Explain.

B.C.A DEGREE EXAMINATION

Second Year –Fourth semester

MODEL PAPER

Paper-III: Data structures using JAVA

Time: Three hours

maximum: 75 marks

SECTION-A (5X15=75)

Answer any five questions

1. What is data structure? Explain different types of data structures.
2. What is linked list explain insert and delete operations in single linked list.
3. What is a stack? Explain the array representation of a stack.
4. Explain the circular queue operations.
5. Explain the tree traversing techniques
6. Explain the graph representation methods.
7. Explain the DFS.
8. Write a procedure to implement the quick sort.

B.C.A DEGREE EXAMINATION

Second Year –Fourth semester

MODEL PAPER

Paper-III: web programming

Time: Three hours

maximum: 75 marks

SECTION-A (5X15=75)

Answer any five questions

1. Explain the frames and forms concept in HTML.
2. Explain the TELNET.
3. Explain the ASP objects.
4. Explain the DTD in XML.
5. Explain the CORBA architecture.
6. What is WAP. What are the limitations of mobile devices
7. What is applet .explain the life cycle of Applet?
8. What is servlet .explain its services.

B.C.A DEGREE EXAMINATION

Second Year –Fourth semester

MODEL PAPER

Paper-III: UNIX

Time: Three hours

maximum: 75 marks

SECTION-A (5X15=75)

Answer any five questions

1. Explain the basic features of UNIX.
2. Explain the file operations in UNIX.
3. Explain the text manipulations and formats in UNIX.
4. Explain shell programming features of UNIX.
5. Write a shell script to search the element.
6. Explain various file/directory handling commands.
7. Explain operating system functions in UNIX.
8. Write a shell script to perform operations on array of strings.