

Madhya Pradesh Bhoj (Open) University, Bhopal

MCA- First Year

Practical and Project Assignment

Maximum Marks: 10

निर्देश-

1. सभी प्रश्न स्वयं की हस्तलिपि में हल करना अनिवार्य है।
 2. दोनों सत्रीय प्रश्न पत्र में से किसी एक प्रश्नपत्र को हल करना अनिवार्य है।
 3. सत्रीय कार्य उत्तर पुस्तिकाओं के स्थान पर A4 साईज के सादे कागज पर छात्र द्वारा लिखे जायेंगे जिन पर क्षेत्रीय निदेशक के हस्ताक्षरित मुहर अंकित किया होना अनिवार्य है।
 4. सत्रीय कार्य जमा करने की अंतिम तिथि 15 अक्टूबर 2011 है।
 5. सत्रीय कार्य उत्तर पुस्तिकाओं को जमा करने की रसीद अवश्य प्राप्त कर लें।
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CS-01 Computer Organization and System Software Practical Assignment

First Assignment

Q. 1 What is Macro? Explain Nested macro with example?

Q. 2 Write a program in assembly Language to check whether two strings are same or not.

Second Assignment

Q. 1 Explain the multiplication of Two Floating –print numbers with flow chart.

Q. 2 Explain the Instruction Cycle with Diagram?

CS-02 Programming in C Practical Assignment

First Assignment

Q. 1. Write a program in C to convert of centigrade to Fahrenheit and Vice- versa.

Q. 2. Write a program in C to computer the factorial by using recursion.

Second Assignment

Q. 1. Write a program in C to transpose of a matrix

Q. 2. Write a program to process student records by using structures.

CS- 03 Data Structure & Algorithm Project assignment

First Assignment

Q. 1. Write a program in C to insert and delete a item from a linked list.

Q. 2. Write a program in C to sort element of an array using quick short.

Second Assignment

Q. 1. Write a program in C to implement various operation on stack.

Q. 2. Write a program in C to implement sequential search and binary search.

CS-04 Operating System Project assignment

First Assignment

Q. 1. Explain Semaphore and its operation in brief?

Q. 2. Explain data Encryption and Cryptography Technique?

Second Assignment

Q. 1. Explain the methods of handling Deadlocks in brief.

Q. 2. Explain the following:

- a. Paging
- b. Segmentation
- c. Swapping

CS – 05: Database Management System Project assignment

First Assignment

Q. 1. Draw an E- R Diagram for a Library Automation System.

Q. 2. Define 2NF and 3NF.

Second Assignment

Q. 1. What is Object Oriented Data Model?

Q. 2. What is Functional Dependencies? Explain Anomalies.

CS – 07: Programming in Visual Basic Practical Assignment

First Assignment

Q. 1. Explain the Toolbox of VB.

Q. 2. Write a program in VB to find largest and smallest element in an array .

Second Assignment

Q. 1. Write a program in VB to create calculator.

Q. 2. Explain RPC, DLL functions with example.