

Madhya Pradesh Bhoj (Open) University, Bhopal

BSC IT- Final Year

Subject: 17 Data Structures through C Language Maximum Marks: 30

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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Note: All questions are compulsory and carry equal marks.

Assignment Ist

Max. Marks – 30

- Q.1 What is the difference between While and Do-while loop.
- Q.2 What is doubly linked list? What is the application of linked list?
- Q.3 Describe Call by vale and Call by reference with example.
- Q.4 What is Hashing? Explain in brief.
- Q.5 Write a program for selection sort.

Assignment II

Max. Marks – 30

- Q.1 Write a program which copy content of one file to another file.
- Q.2 Write a program to search a element in a link list.
- Q.3 What is Stack? Explain the basic operations of stack.
- Q.4 Write a program in C language that read 3×3 matrix and to print it.
- Q.5 Write a program to delete an element from one dimensional array.

B.Sc. IT IInd Year- 18: Multimedia

All questions are compulsory and carry equal marks.

Assignment Ist

Max. Marks – 30

- Q.1 What is difference between WAV and MIDI files?
- Q.2 Describe in brief any three video compression techniques.
- Q.3 What is difference in vector and bitmap image?
- Q.4 Write the role of Script Writer .
- Q.5 Explain RGB color model.

Assignment 2nd

- Q.1 Explain different computer animation languages.
- Q.2 Explain CMYK color model.
- Q.3 Describe various authoring tools.
- Q.4 Discuss the features of image editors software.
- Q.5 Describe the elements of Multimedia.

B.Sc. IT IInd Year- 19 : Web Site Designing

Note : All question carry equal marks.

First Assignment

Max. Marks : 30

- Q.1 How internet works explain.
- Q.2 Differentiate between internet and intranet.
- Q.3 Explain the meaning of data encryption.
- Q.4 Describe the procedure to register a web site .
- Q.5 Explain the Client Server Model.

Second Assignment

Max. Marks : 30

- Q.1 Explain various formatting tags used in HTML.
- Q.2 What do you mean by Internet?
- Q.3 Describe internet security threat.
- Q.4 What do you understand by Active Server Pages? Explain..
- Q.5 What are the advantages of Email?

B.Sc. IT IInd Year- 20 Unix Operating System

All questions are compulsory and carry equal marks.

Assignment Ist

Max. Marks – 30

- Q.1 Write any five file command in UNIX.
- Q.2 Write the Features of Unix.
- Q.3 What is USENET?
- Q.4 What is HTML? How can you develop a web page?
- Q.5 Describe Unix Security System.

Assignment IInd

Max. Marks – 30

- Q.1 Write a brief note on Vi editor.
- Q.2 Write short notes Shell Scripting?
- Q.3 Describe different standard files of UNIX.
- Q.4 Explain X Windows, grep and sed .

Q.5 What is use of Unix Internet Services?

B.Sc. IT IInd Year- 21 Introduction to .NET

All questions are compulsory and carry equal marks.

Assignment Ist

Max. Marks – 30

- Q.1 What do you understand by the .NET Framework?
- Q.2 What is the difference between Dispose and Finalize?
- Q.3 Describe the Architecture of ADO.NET?
- Q.4 Explain the Listbox and Combobox Control?
- Q.5 What are the Use of Data-grid.

Assignment 2nd

- Q.1 What is the role of CLR ?.
- Q.2 What are the advantages of ASP.NET over ASP?
- Q.3 What is Methods and why it is used?
- Q.4 What is the advantage of using a class library?
- Q.5 Describe the Types of Validation controls with example.

B.Sc. IT IInd Year- 22: C++

All questions are compulsory and carry equal marks.

Assignment Ist

Max. Marks – 30

- Q.1 Explain the Concepts of Object-oriented Programming?
- Q.2 Explain all control statements of C++.
- Q.3 What do you understand by Constructor and Destructor.
- Q.4 Describe the Concept of a Class with suitable example.
- Q.5 Write short notes on Strings Operations in C++.

Assignment IInd

Max. Marks – 30

- Q.1 How many data types in C++? Write all data types.
- Q.2 Write different rules for naming variable in C++.
- Q.3 What is Methods Overloading and Constructor Overloading.
- Q.4 Explain the Concept of Virtual Functions .
- Q.5 Describe the Pointers?