

Sai Nath University

Assignment For B.SC IT 5TH Sem.

The Assignment will consist of two parts, A and B. Part A will have 5 short answer questions(40-60 words) of 4 marks each. Part B will have 4 long answer questions of 5 marks each.

All questions are compulsory.

These Assignments should be completed and submitted in written form by the student to his/her respective Faculty/ Examiners. Assignment Submission Dates are:

➤ **Nov-17**

List Of Suggested Questions

The list of suggested questions is for students to practice. Although optional, we recommend that students solve these questions, as they will help them in preparing for exams as well as in clearing the important concepts of the subject.

List of Practical and suggested practical's

The list of practical's should be done by the students in their Lab Sessions. These are the basic practical's, which each student should be able to do himself independently. While the list of suggested practicals are optional, but it is recommended that students should perform those practical so as to have a thorough knowledge of the subject

Education Delivery Schedule (EDS)

As per University Semester scheme, the minimum contact hours of each paper has been Divided into two hours theory and practical class.

The faculty will maintain this attendance paper wise for his/her batch.

Subject Code	Subject Name
B.Sc - IT₁-501	CORE JAVA
B.Sc - IT₁-502	WAP & WML
B.Sc - IT₁-503	Computer Networks
B.Sc - IT₁-504	Management Information Systems
B.Sc - IT₁-505	Software Lab-V

SAI NATH UNIVERSITY

Cover page of Assignment

ID NUMBER
NAME
COURSE B.Sc-IT.....
STREAM
SEM 5TH
SUBJECT CODE
SUBJECT NAME

Assignments will be completed by the Student in his/her own handwriting.

B.Sc IT-501
CORE JAVA
Part A

1. What is Object Oriented Programming? Explain concepts of object and class, with the help of example of each.
2. What is inheritance? How it provides flexibility in application development? Explain with the help of an example.
3. What is inheritance? How it provides flexibility in application development? Explain with the help of an example.
4. What is multithreading? Explain various applications where multithreading may be used. Also explain how threads are created in java.
5. Explain the situations in which constructors are overloaded, with the help of example.

Part B

1. What is an exception? Explain various causes of exceptions. Explain different types of exceptions.
2. Write a java program to demonstrate handling of multidimensional array I java.
3. Explain with an example, how array of objects are created in java.
4. Explain why java is platform independent.

B.Sc IT -502
WAP & WML
Part A

1. What are the various protocols in a WAP protocol suite.

2. How WAP technology is similar to Internet?
3. What is the difference between HTML and WML?.
4. What is ONTIMER?
- 5 How arrays are represented in WML script?

Part A

1. Explain the WAP architecture.
2. What are variables? How they are Initialized and used in the code?.
3. What is a string library? Explain any three string library function.
4. What are functions? Write the syntax to declare a function in WML script.

B.Sc IT -503 COMPUTER NETWORK Part A

1. Explain Internet, Intranet and Extranet in detail.
2. Explain Frame Format of IEEE802.4 (Token Bus).
3. What is TCP protocol and UDP protocol? Differentiate between TCP and UDP.
4. Comparison between OSI and TCP/IP.
5. What is network bridge? How many type of network bridge?

Part B

1. Write short note on following-
I. SMTP

II. Pop3

III. ICMP

IV. HTTP

V. FTP

VI. MIME

2. Write short note DNS. Draw the figure and explain it.
3. What is congestion control? Write technique to control congestion.
4. Write short note IP ADDRESS. What is subnet ? And write on IP protocol.

B.Sc IT -504

MANAGEMENT INFORMATION SYSTEM

Part A

1. Write short note project model.
2. What are the step in data processing?
3. What are different source of an information collection?
4. Explain bias information.
5. How are the type of data information

Part B

1. What is characteristic of programming language?
2. Explain the principle of organization structure.
3. Explain the principles of operational management .
4. Explain the organization learning and organization culture

B.Sc IT -550

Software lab

Part A

1. Write a program print “Hello Java” in java.

2. Write a Java program calculate the area of triangle.
3. Write java program of addition of fifty number.
4. Draw a rectangle using applet.
5. Write a Java program for database connectivity.

Part B

1. You are setup a computer lab using switch and bridge and printer,ups.
2. Write code dijkstra's algorithm to compute the shortest path through graph.
3. Write a java code of delete element of link list.
4. Write java code for the create a binary search tree.