

Sai Nath University

Assignment For B.Sc-IT 1st 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 2 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
BSIT-101	GENERAL ENGLISH
BSIT-102	Programming in C
BSIT-103	Operating Systems
BSIT-104	RDBMS-I
BSIT-105	Software Lab-I

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Cover page of Assignment

ID NUMBER
NAME
COURSE B.Sc –It
STREAM
SEM 1st
SUBJECT CODE
SUBJECT NAME

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

B.Sc-IT 101
GENERAL ENGLISH

Part A

1. What is professionalism? Define with an example?
2. What are different barriers to communications?
3. What are psychological barriers?
4. What is premature Evaluation?
5. What are the seven Cs of Professionalism?

Part B

1. What are the ways by which we can remove noise in the communication?
2. What are the different ways by which we can reduce our hesitation of speaking?
3. Discuss various tip required to be the consider while drafting in brochure
4. Explain in detail' types of reading.'

B.Sc-IT 102
Programming in C
Part A

- 1.What is function? What is recursive function?.
2. What is data type? How many type of Data Type.
3. Explain the flowchart.
4. Compare the Array, Structure and Union.
- 5 Write a C Program to print the following output using nested loops.

				1
		1		2
	1	2		3
1	2	3		4
1	2	3	4	5

Part B

1. Define control statement with suitable example.
2. Explain about the different parameter passing methods with examples.
3. Write the C code to multiply two matrices.
4. Explain the various types of software's with suitable examples.

B.Sc-IT -103

Operating Systems

Part A

1. Explain the main purpose of an operating system?
2. What are the advantages of a multiprocessor system?
3. Describe the objective of multiprogramming.
4. Give some benefits of multithreaded programming.
5. What necessary conditions can lead to a deadlock situation in a system?

Part B

1. How does swapping result in better memory management?
2. Explain the OS as a resources manager.
3. Briefly explain the PCB (Process Control Block).
4. Describe different types of process schedule technique.

B.Sc-IT -104
RDBMS-I
Part A

1. Attempt all of following:
 - a. List the different operator in MYSQL.
 - b. What is system throughput?
 - c. Define secrecy.
 - d. What is fat server?
 - e. State the purpose of revoke command.
2. Explain client-Server architecture in detail.
3. Explain the failures classification in detail.
4. Explain time stamp based protocol.
5. Attempt all of following:
 - a. What is the output of the “Select floor(1.33)”.
 - b. Write a query in my sql to display 4 records from employee table.
 - c. What is filtering?
 - d. What is insertion lock?
 - e. What is DDL?

Part B

1. Define distributed database As. I so discuss the design of distributed databases.
2. What are different structural constraints in E-R model? Explain with example.
3. Name various database models. Discuss any two of them in detail by taking suitable example of your choice.
4. Why normalizations needed? Explain all the normal forms based on functional dependency?

B.Sc-IT -105

LAB-1

Part A

1. write a C program to print “C is prgraming langauge”.
2. Write C program of addition of two number and number is enter by user.
3. Write a program of Array, searching the element of Array. If element is present then found otherwise not found.
4. Write a program of type casting. Given the
5. Write a c program find out number is prime or not.

Part B

1. Write a C Program to print the following output using nested loops.

```

    1
  1 2
1 2 3
1 2 3 4
1 2 3 4 5
```

2. Write a program of multiplication of two matrix $m \times n$.
3. Create a table of employee and enter the 50 employee record and update the record and also modified the record using mysql or oracle.
4. Write a program in c of structure.

Given that book's name , price, total page, writer, no of books and edition.