

# **Sai Nath University**

## **Assignment For B.Sc-IT 4<sup>TH</sup> Sem.**

The Assignment will consist of two parts, A and B. Part A will have 6 short answer questions(40-60 words) of 4 marks each. Part B will have 6 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:

➤ **June-18**

### **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>BSIT-401</b>  | <b>Visual Basic</b>   |
| <b>BSIT-402</b>  | Basic Mathematics-I   |
| <b>BSIT-403</b>  | Microprocessor System |
| <b>BSIT- 404</b> | Web Technologies-ii   |
| <b>BSIT-405</b>  | Software Lab- V       |

# **SAI NATH UNIVERSITY**

## **Cover page of Assignment**

ID NUMBER .....  
NAME .....  
COURSE BSc-IT.....  
STREAM .....  
SEM 4<sup>TH</sup> .....  
SUBJECT CODE .....  
SUBJECT NAME .....

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

**B.Sc.IT-401**  
**Visual basic**  
**GroupA**

- 1) What are the different ways to Declare and Instantiate an object in Visual Basic 6?
- 2) Explain MessageBox statement and MessageBox Function in vb?
- 3) What is err object ?How it is implemented?
- 4) Explain constants in visual basic?
- 5) How foreach statement is differ from for for statement explain with an example?
- 6) Explain different window s of IDE?

**GroupB**

- 7) What do mean by object oriented programming? Explain different features of visual basic in details.
- 8) What is the difference between function and method? Explain IDE for visual Basic ion details.?
- 9) What do you mean by Array? Write a code in visual basic to find sum of 10 numbers?
- 10) Discuss for-next statement? Write a code to find factorial of numbers from 1 to 15
- 11) Write a code for Button click event, to find out even or odd display on message box.
- 12) What do you mean by ActiveX control? Write proper steps for database connectivity, where MS-Access works as backend and visual basic works as frontend.

## **B.ScIT403**

### **Microprocessor**

#### **Group A**

- 1)Name the various type of buses of 8085 Microprocessor?
- 2)Draw the pin diagram 8085 microprocessor and explain its various pins?
- 3)what is program status word in 8085 Micro processor?
- 4)what are the various type of interrupts available in 8085 microprocessors?
- 5)Explain various addressing mode of 8085 using an example?
- 6)Name the various machine cycles of 8085?

#### **GroupB**

- 7)explain 8259 chip with the help of block diagram?
- 8)Name the various mode of operations in 8253?
- 9)Differentiates between 8085 and 8086?
- 10)Define memory and its various types?
- 11)define PAL and PLA using suitable diagram ?
- 12)write assembling language program to add two numbers?

**B.Sc-IT404**  
**(Web Technology)**

GroupA

- 1) State the uses of Internet Protocol?
- 2) List and explain any two HTML elements?
- 3) Give the core syntax of CSS?
- 4) List and explain any two java script built in object?
- 5) What is meant by intrinsic event handling?
- 6) Explain the Servlet API life cycle methods in brief?.

GroupB

- 7) What does XSLT mean?
- 8) List some example of web services?
- 9) State the use of WSDL?

Ques10) Define Protocol. Give the full form of PPP.

Ques11) Differentiate between E-mail and chat.

Give the output of the following statements:

12 (i) Response. Write  $((10-5+3)\backslash 4)$

(ii) Response. Write `(LEN("TEST DAY"))`

(iii) Response. Write `(STRREVER`

## **B.Sc-IT-405**

### **Software Lab**

- 1)** Write a program to create a dice and board game in visual Basic? This program creates a die which can be used to play board games. It can also be incorporated into VB games that require a dice. VB games that you can create in Visual Basic are step and ladder game, monopoly and more. First of all, you draw a rounded square in the project windows. Secondly, you need to draw an array of 7 dots and VB will automatically labeled them as shape1(0), shape1(1),shape1(2), shape1(3), shape1(4), shape1(5) and shape1(6). You can control the appearance of the dots using the random function RND
- 2)** Write a program in VB to implements following specification? This program creates a dice which shows different color on different face. It can be used to play board games when you cannot find a physical dice. It can also be incorporated into VB games that require a dice.
- 3)** Write a VB program to crack the password? This passwords cracker created using VB6 can generate possible passwords and compare, the login will be successful. In this program each of them with the actual password. If the generated password found to be equal to the actual password, a timer is inserted into the form and it is used to do a repetitive job of generating the passwords.