

2023
B.A./B.Sc.
Fifth Semester
DISCIPLINE SPECIFIC ELECTIVE – 2
COMPUTER SCIENCE
Course Code: CSD 5.21
(Programming in Visual Basic)

Total Mark: 70
Time: 3 hours

Pass Mark: 28

Answer five questions, taking one from each unit.

UNIT-I

1. (a) Explain IDE in Visual Basic. 8
- (b) How do you add items from a list box? 2
- (c) Explain any four of the common form properties. 4
2. (a) Differentiate between label and text box. 3
- (b) What is implicit and explicit declaration? 4
- (c) What is the difference between checkbox and radio button? 3
- (d) Write a program for temperature conversion using option button. 4

UNIT-II

3. (a) What is an array and how do you declare array in Visual Basic? 1+3=4
- (b) Explain different data types in Visual Basic. 4
- (c) Explain scope of variable in Visual Basic. 2
- (d) Outline a Visual Basic program for displaying the grade of the student in a text box based on then marks of a student as follows: 4

Marks	Grade
> 90	S
80-90	A
70-79	B
60-69	C
50-59	D
<50	E

4. (a) Discuss the procedure of creating menu in Visual Basic. 4
 (b) Explain different types of loop in Visual Basic. 4
 (c) Explain select case statement. 3
 (d) Write a Visual Basic program, which will generate the number from 1 to 20. 3

UNIT-III

5. (a) Explain common dialog control. 3
 (b) Explain any four-string functions with examples. 8
 (c) What is the difference between MsgBox() and InputBox()? 3
6. (a) Explain four date function with example. 8
 (b) Explain the following functions with the help of a program. 1×3=3
 (i) Len()
 (ii) LTrim()
 (iii) Left()
 (c) Write a VB program to find smallest among given three numbers. 3

UNIT-IV

7. (a) What is recordset? Explain the steps involved in creating table in Visual Basic. 2+6=8
 (b) Explain the method of connecting data control to a database. 6
8. (a) What is the use of ADODC control in VB? 2
 (b) Explain the following terms: 4×3=12
 (i) DAO
 (ii) RDO
 (iii) ADO data control

UNIT-V

9. What is crystal report? Explain the steps involved in building crystal report in Visual Basic. 2+12=14
10. Why do we use data report? How to create reports using data report designer? 4+10=14