

B.COM. SEMESTER – 5		
7	Elective - 4	Computer Science – 5 (Introduction to Visual Basic)

Name of the Course: **Computer Science – 5 (Introduction to Visual Basic)**
 Course credit: **05**
 Teaching Hours: **Theory: 45 (Hours) + Practical: 60 (Hours)**
 Total marks: **100**
 Distribution of Marks: **50 Marks semester end theory examination**
30 Marks semester end practical examination
20 Marks Internal assessments of theory (Unit:1 to 4) (CCA)

Objectives:

To impart information technology related skills to the students

Unit No. 1 to 4 -> Theory of 70 Marks and Unit No. 5 -> Practical of 30 Marks

Unit	Content	No. of Lectures
1	INTRODUCTION TO VISUAL BASIC AND WORKING WITH CONTROLS: Visual Basic project, Visual Basic programming environment and naming objects, text Box, List Box, Combo Box, Option Button, Check Box, Frame, Timer, Scroll Bars, Label, Form, Drive list box, Directory list box, File list box, Picture, Image, Shape	12
2	PROPERTIES FOR RELEVANT CONTROLS: Name, Appearance, alignment, Auto size, Back color, Back Style, Border Style, Caption, Cancel, Default, Enable, Font, Height, Width, Top, Left, Locked, Min, Value, Max Button, Min Button, Max	11
3	OTHER PROPERTIES: Max Length, Multi Select, Multi Line, Password Character, Interval, Style, Tab Index, Tab Stop, Visible, Word Wrap, Window State, SelLength, SelStart, SelText, Picture, Down Picture, Disable Picture, List, List Count, List Index, Text, Image, Icon, Fore Color, Index, Sorted, Print	11
4	EVENTS AND METHODS FOR RELEVANT CONTROLS: Click, Change, DblClick, Key down, Key Up, Key Press, Mouse Down, Mouse Up, Mouse Move, Load, Got Focus, Lost Focus, Activate, Timer, Scroll, Initialize, Paint, Activate, Resize, Unload, Deactivate, Show, Hide, Z Order, Add Item, Remove Item, Clear, Set Focus, Move	11
5	PRACTICAL (Practical Exercise of Unit 1 To 4)	60
Total Lectures		45 + 60



Theory Question Paper Style:

UNIVERSITY EXAMINATION		
Sr. No.	Particulars	Marks
1	QUESTION - 1 (From Unit 1) (OR) QUESTION - 1 (From Unit 1)	14
2	QUESTION - 2 (From Unit 2) (OR) QUESTION - 2 (From Unit 2)	12
3	QUESTION - 3 (From Unit 3) (OR) QUESTION - 3 (From Unit 3)	12
4	QUESTION - 4 (From Unit 4) (OR) QUESTION - 4 (From Unit 4)	12
	Total Marks for Regular Students	50

Credit:

- 1 lecture = 1 hour = 1 credit and 2 practical = 2 hours = 1 credit
- Total 45 hours of theory teaching work per semester and additional 60 hours of practical per semester.
- Theory 3 Hours/week = 3 credits and additional practical 4 hours/week = 2 credits. Total credit is 5.

Examination:

- Theory Examination - Total marks 70 (50 marks of university examination and 20 marks of internal). University examination: 2 Hours
- Practical Examination - Total Marks 30 (No Internal Marks). University Examination: 2 Hours

Passing Standard:

- Student must obtain minimum 40% marks in theory and practical both
- Theory: Minimum 40% (minimum 20 marks in University examination and minimum 8 marks in internal)

Practical: Minimum 40% (Minimum 12 marks in University examination)

Suggested Readings and Reference Books:

1. Successful Projects in Visual Basic - D. Christopher - BPB
2. Mastering in Visual Basic - BPB
3. Programming in Visual Basic (Peter Norton)

Note: Latest Editions of the above books may be used.

