B.C.A. (Semester-V) Examination, 2020

(2017-20)

VISUAL BASIC

[Paper Code : BC-501]

Time : Three Hours]   [Maximum Marks : 80

Note : Candidates are required to give their answers in their own words as far as practicable. The figures in the margin . The questions are of equal value. Answer **any five** questions.

1.   What is control array in VB ? Explain its salient features and also explain the function of debug window in vVisual Basic.

2.   Design the form with two shapes red and blue, write code to replace the color every between two shapes.

3.   Write a program to print (hello) five times with its numebring using do while loop.

4 Design a form contains specific title such that when we click on command1 the color of the font will change and we will click on command 2 the size of the font will be changed.

5. Write a visual basic program to find max and min element from an array.

6. What is variable in VB ? Define following ways of declaring variables in visual basic -:

(a) Explicit Declaration

(b) Using Option Explicit Statement

(c) Scope of Variables

7. What are Decision Statements ? Explain the different types of decision statements used in VB 6.0.

8 What is Form ? Explain different events which are associated with forms.

9. What do you mean by Project in Visual basic ? Name any six commonly used project types in visual Basic and also explain it.

10. Write short notes on **any two** of the following

(a) I D E

(b) Procedure

(c) M D I

(d) Active X Control

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B.C.A. (Semester-V) Examination, 2020

(2017-20)

INTERNET & JAVA PROGRAMMING

[Second Paper]

[Paper Code : BC-502]

Time : Three Hours]　　　　　　　　　　[Maximum Marks : 80

Note : Candidates are required to give their answers in their own words as far as practicable. The figures in the margin indicate full marks. The questions are of equal value. Answer **any five** questions.

1. What is E-mail ? Explain its working. Discuss different protocols used in Internet.

2. Explain TCP/IP reference model in detail. Explain functionality of TCP /IP .

3. Introducing java, differentiate Core and Advanced java. Compare between C++ and Java in detail.

4. What is method overriding ? Write a Java program to demonstrate the concept of method overriding.

5. Write an applet code to display name, roll number, address and educational qualifications.

6. What is Multilevel Inheritance ? Write a Java program to demostrate the concepts of Multilevel Inheritance.

7. What is Interface in Java ? Write a Java program on Interface with suitable example.

8. Explain Constructor. Discuss its types. Write a Java program to calculate area and perimeter of a circle using Constructor.

9. Distinguish between "for loop" and "do while loop". Write a Java program to print all prime numbers from 0 to 100.

10. Write short notes on **any two** of the following:

a) Life Cycle of Thread

b) Java String

c) JVM

d) Java packages.

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B.C.A. (Semester-V) Examination, 2020
RESEARCH METHODOLOGY

[Paper Code : BC-503]

Time : Three Hours]   [Maximum Marks : 80

Note : Candidates are required to give their answers in their own words as far as practicable. The figures in the margin. The questions are of equal value. Answer **any five** questions.

1. Discuss the importance of research in management

2. Define Research Problam. How a research porblam is selected ?

3. Explain about 'Exploratory Research Desnine' :

4. Define primary and secondary data. Distinguish between primary and secondary data.

5. Dicuss about the different techniques of sampling selection.

6. Citing examples, explain simple and complex tabulation.

7. Define sample and population. Explain about the different probability sampling techniques.

8. Discuss the merits and demerits of schedule method of collection.

9. What is 'Edithing'? What are its different types?

10. Write short notes on **anytwo** of the following :

   (i) Format of Resarch Report

   (ii) Characteristics of A Good Report

   (iii) Sampal and Census Survery

   (iv) Empirical Research

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