

(2014) - 17)

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**BC-501**

**Visual Basic**

**2017**

*Time : 3 hours*

*Full Marks : 80*

*Candidates are required to give their answer in their own words as far as practicable.*

*The questions are of equal value.*

*Answer any five questions.*

1. Describe most important features of a Visual Basic Language. What do you mean by IDE? Explain each of their components.
2. Write the procedure to create a form and use a data control on it, to connect Ms Access databad.
3. Make a calculator using VB Tools.
4. What is procedure? Explain the difference between Private sub and Public sub.
5. Write a programme to read the matrix in one listbox and display the transpose of its in another list box. Draw necessary GUI and write the suitable events.
6. What is property ? Explain the methods used for creating and defining the properties Demonstrate with an example.

P.T.O.

7. Write a VB programme for Simple Interest.
8. Write a VB programme to find numbers between 10 to 100.
9. What is common Dialog Box? How many types of common Dialog Box are there on VB 6.0? Describe each with suitable example.
10. What is an object oriented language? Explain features an object oriented language in details.

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**BC-502**

**Internet & Java Prog.**

**2017**

*Time : 3 hours*

*Full Marks : 80*

*Candidates are required to give their answer in their own words as far as practicable.*

*The questions are of equal value.*

*Answer any five questions.*

1. What is Class and Object? Write a Java programme to demonstrate the concept of Class and Object.
2. What are Control Statements? Explain the different types of Control Statements with suitable example.
3. What is Construction? Discuss the types of construction with suitable example.
4. What is TCP/IP? Explain the different layers in TCP/IP protocols.
5. What is Vector? Write a Java programme to demonstrate the use of some of the methods of vector class.
6. Define Interface. Write a Java programme to demonstrate Implementation of Interface.

**P.T.O.**

7. Define Package. What are the advantages of using Package? Write down the steps to create a Package.
8. Write an applet code to demonstrate passing of parameters to an applet.
9. Write a Java programme to add two Matrices and print the result matrix.
10. Write short notes on any two of the following:
  - (a) Internet Protocol
  - (b) Java Virtual Machine(JVM).
  - (c) Application of Internet
  - (d) Modern

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BC-503

Research Methodology

2017

Time : 3 hours

Full Marks : 80

Candidates are required to give their answer in their own words as far as practicable.

The questions are of equal value.

Answer any five questions.

1. What is Research Problem? Explain the characteristics of a good Research Problem.
2. What are the different steps in a Research Process? Explain.
3. Explain about the different Descriptive Research Design.
4. Define Secondary data. Explain its different sources in detail.
5. Critically examine the "Observation" Method of data collection.
6. Explain about the different Techniques of Sampling.
7. Define Tabulation. Explain the different types of Tabulation with suitable examples.
8. What do you mean by report writing? Discuss about the different formats of report writing.

P.T.O.

9. Explain the characteristics of a good research report in detail.
10. Write short notes on any two of the following:
- (a) Objectives of Research
  - (b) Types of Research
  - (c) Data Collection
  - (d) Data Analysis.

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