Instruction : *Answer **all** Sections.*

SECTION – A

I. Answer **any 10** questions. **Each** question carries **2** marks.   (10×2=20)

1) What is a web browser ? Give an example.

2) Write a note on JVM.

3) What is nested if statement ? Give an example.

4) What is a final variable ? Give an example.

5) What is vectors ?

6) Differentiate between string and string buffers.

7) What is the use of import keyword ? Give an example.

8) What is an error ? Mention types of errors.

9) Differentiate between throws and throw keyword.

10) Write a note on repaint () method.

11) What is stream classes ? Mention two types of stream classes.

12) Mention any four I/O exceptions.

SECTION – B

II. Answer **any 5** of the following questions. **Each** question carries **10** marks. (5×10=50)

13) a) Explain any five features of Java.   5

     b) What is command line arguments ? Explain with example.   5

14) a) Explain any five bitwise operators.   5

     b) Explain any two looping statements with syntax and example.   5

15) a) Explain classes and objects with syntax and example.   5

     b) Write a note on visibility controls.   5

P.T.O.

16) a) Write a Java program to sort list of elements in ascending and descending order and show the exception handling.   5

   b) Explain creating and implementing interfaces with example.   5

17) a) Write a note on user defined packages.   5

   b) Explain with neat diagram life cycle of a thread.   5

18) a) Write a note on implementing runnable interfaces with example.   5

   b) Explain multiple catch statements with example.   5

19) a) Explain getting numeric input from the user and display using applet.   5

   b) Write a Java program to implement keyboard event using applet.   5

20) a) Explain drawing circles and ellipse with example.   5

   b) Write a note on reading and writing characters to file.   5

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V Semester B.A./B.Sc. Examination, November/December 2017
(CBCS) (F + R) (Semester Scheme) (16-17 and Onwards)
COMPUTER SCIENCE – VI
Visual Programming

Time : 3 Hours

Max. Marks : 70

Instruction : *Answer all the Sections.*

SECTION – A

Answer **any ten** questions. **Each** question carries **two** marks. (10×2=20)

1. Explain any two features of VB.

2. Differentiate between Option Button and Check Box.

3. Define a form object.

4. What is variant data type ?

5. What is an array ?

6. Explain the usage of Progress Bar ?

7. What is an object ?

8. Mention any four file handling functions in VB.

9. What are Class Module Events ?

10. What are the file opening modes in VC++ ?

11. List the advantages of ODBC.

12. What are Resources ?

SECTION – B

Answer **any five** questions. **Each** question carries **ten** marks. (5×10=50)

13. a) Explain various types of projects in VB.

    b) Write a note on any five controls of Tool Box in VB. (5+5)

14. a) Write a VB program to Encrypt and Decrypt a string (use Rnd to generate the Encryption and Decryption keys).

    b) Explain any three looping statements in VB. (5+5)

15. à) Explain different types of Procedures in VB.

    b) Write a note on MDI. (5+5)

16. a) Explain the menu editor in VB with an example.

    b) Write a VB program to calculate simple interest and compound interest using DLL. (5+5)

17. a) Write a note on API function.

    b) Explain Random file operation. (5+5)

18. a) Briefly explain Data Access Objects (DAO) Data Control.

    b) Write a VB program to display records from a database using ADO Data Control. (5+5)

19. a) Write a note on different types of dialog box in VC++.

    b) Explain creating menus in VC++. (5+5)

20. a) Explain exception handling in VC++.

    b) Write a note on DLL in VC++. (5+5)