

- (e) “The explosive growth of the Internet and the use of its enabling technologies have revolutionized computing and telecommunications.” Comment.
- (f) Why Java is important to the Internet?

2 Attempt any **two** parts of the following: **2×10=20**

- (a) How does the Java byte coder help in solving both the security and portability problem?
- (b) What are the basic elements of a class and how a class can be used to create objects ?
- (c) Explain the use of a JAR file. How do you create a JAR file?

3 Attempt any **two** parts of the following : **2×10=20**

- (a) How is an e-mail created and sent through internet?
- (b) With the help of suitable examples explain the following Java control statements
 - (i) Selection statement
 - (ii) iteration statement
 - (iii) jump statement
- (c) Who conceived Java? Briefly describe the genesis of Java.

4 Attempt any **two** parts of the following : **2×10=20**

- (a) How many types of procedures are there in Visual Basics? How do you declare a function and a subroutine? What is the basic difference between a function and a subroutine.

- (b) Briefly describe the functions of
 - (i) Image Control
 - (ii) Command Buttons
 - (iii) Labels
 - (iv) Status Bar
 - (v) Dialog box.
- (c) How does Visual Basic help you in designing User Interface (UI)?

5 Attempt any **two** of the following : **2×10=20**

- (a) How a Dialog Box is created?
 - (b) How is Multiple Document Interface (MDI) form different from standard form? How is MDI child forms co-ordinated and how are the MsgBox () and InputBox () functions used?
 - (c) Explain the terms user defined functions and procedures array.
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