

B.Sc. DEGREE EXAMINATION, APRIL 2010

Fourth Semester

Software

VISUAL BASIC PROGRAMMING

(CBCS—2008 Onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part - A

(10 × 2 = 20)

Answer **All** the questions.

1. What is combo-box ?
2. What is frame ?
3. What is the purpose of Bsearch () function ?
4. Explain about picture box control.
5. List out the values for drive types.
6. What do you mean by Get file size () ?
7. List out file attributes.

8. List any two menu flags.

9. What is OLE ?

10. What is Active x E X E components ?

Part - B

(5 × 5 = 25)

Answer **All** questions.choosing either (a) or (b).

11 (a) How do you design a user interface in VB ? Explain.

Or

(b) How do you create an executabic file ? Give an example.

12. (a) Explain about- Active x controls.

Or

(b) How do you build a Dynamic form at run time ?

13. (a) Explain about optimization issues.

Or

(b) What is multiple document interface ? Explain.

14. (a) Explain in brief about Accessing a child forms.

Or

(b) What is multiple file selection ? Explain with an example.

15. (a) Explain about data control methods.

Or

(b) Explain the manipulating a record set object.

Part - C

(3 × 10 = 30)

Answer any **Three** questions.

16. Explain about building a dynamic form.
17. What is slider control and file control ? Give an example.
18. Explain about List box controls and combobox controls.
19. Describe in detail two rich text-box controls.
20. How do you create a data projects ?

B.Sc. DEGREE EXAMINATION, APRIL 2010

Second Semester

Software

PROGRAMMING IN C++ AND ALGORITHMS

(CBCS)

(2008 Onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part - A

(10 × 2 = 20)

Answer all Questions.

1. Define Member function.
2. Define Array.
3. What is Constructor ?
4. How will you declare a two dimensional array ?
5. Define Inheritance.

6. What do you mean by virtual function ?
7. Define Search.
8. What do you mean by sorting ?
9. What is the use of coin changing ?
10. Define Spanning tree.

Part - B

(5 × 5 = 25)

Answer All questions.

11. (a) Write a note on Inline function.

Or

- (b) How will you allocate memory for objects? Explain.

12. (a) Discuss Constructors with example.

Or

(b) Discuss Dynamic initialization of objects in brief.

13 (a) Write a note on single inheritance with example.

Or

(b) Write a note on Pure virtual function with example.

14. (a) Write a note on Binary search.

Or

(b) Describe quick sort in brief.

15. (a) Describe the importance of Huffman codes.

Or

(b) Describe the Knapsack problem.

Part - C

(3 × 10 = 30)

Answer any **Three** questions.

16. How will you use an object as a function argument? Discuss with example.
17. Discuss Dynamic constructors in detail with example.
18. Explain operator overloading in detail with suitable example.
19. Explain the merge sort with an example.
20. Discuss Dijkstra's Algorithm.

B.Sc. DEGREE EXAMINATION, APRIL 2010**Third Semester****Software****JAVA PROGRAMMING****(CBCS)****(2008 Onwards)**

Duration : 3 Hours

Maximum : 75 Marks

Part - A

(10 × 2 = 20)

Answer **All** questions.

1. What is meant by reusability?
2. What is the difference between stand-alone applications and web applets?
3. What is meant by Mixed-Mode arithmetic expression?
4. Write the general format for if...else constructs.
5. Define : Vector. also write the uses.

6. What are the similarities between interfaces and classes ?
7. What is the use of naming conventions ?
8. When will you use sleep() method in thread concept ?
9. Write the general format for Applet tag.
10. How is Java's Coordinate System organized ?

Part - B

(5 × 5 = 25)

Answer **All** Questions.

11. (a) Write about the history of Java.

(Or)

- (b) Discuss the constants and variables in Java with examples.

12. (a) Explain the mathematical functions available in Java language.

(Or)

(b) Discuss in detail Nesting if.... else statement with an example.

13. (a) Explain how to implement inheritance concept.

(Or)

(b) Discuss the use of Wrapper classes.

14. (a) What is the purpose of hiding classes?

(Or)

(b) What is finally block? Explain its usage with an example.

15. (a) Explain how to add Applet to HTML file.

(Or)

(b) Describe the argument used in the method draw Round Rect().

Part - C

(3 × 10 = 30)

Answer any **Three** Questions.

16. Describe the general program structure of Java.

17. Explain all types of operators used in Java.

18. Explain why we need an interface and give an example .

19. Describe with diagram, the life cycle of a thread.

20. Describe the *three* ways of drawing Polygons.

B.Sc. DEGREE EXAMINATION, APRIL 2010**First Semester****Software****UNIX AND C PROGRAMMING****(CBCS)****(2008 Onwards)**

Duration : 3 Hours

Maximum : 75 Marks

Part - A**(10 × 2 = 20)**Answer **All** Questions.

1. What is the function of the command 'Who' in Unix ? Give example.
2. What is a Shell ?
3. What is an identifier ? Give example.
4. Give reason to avoid the use of GOTO statement in C program.
5. What is a Function ?

6. Mention any two logical bitwise operator.
7. What is single dimensional array ? Give example.
8. What is the function of malloc () ?
9. How can you process a member of a structure ?
10. How can you open a file in C ?

Part - B

(5 × 5 = 25)

Answer **All** Questions.

11. (a) What is input-output redirection in Unix ? Explain with example.

(Or)

- (b) What are the shell built-in variables ? Explain their functions in brief.

12. (a) What are the basic datatypes available in C ? Explain with example.

(Or)

- (b) Explain the operations of

(i) getchar.

(ii) putchar.

13. (a) Write a function to calculate the factorial value of a given number.

(Or)

- (b) How to declare and operate automic variables ? Explain.

14. (a) How to define a multi dimensional array in C? Explain with example.

(Or)

- (b) How to declare a pointer in C program? Explain with example.

15. (a) How to combine the declaration of the structure composition with structure variables ? Give example.

(Or)

- (b) How the composition of Union defined in C? Explain with example.

Part - C

(3 × 10 = 30)

Answer any **Three** Questions.

16. Explain the three modes of Vi editor in detail.
17. Explain the four basic types of constants in C with suitable example.
18. What is recursion? Explain it with Tower's of Hanoi problem.
19. How to pass arrays to a function? Explain with example.
20. How can you create a data file in C? Explain with converting lowercase to uppercase conversion program.
