

U.G. (CBCS) DEGREE EXAMINATION,
NOVEMBER 2022.

Third Semester
Computer Science

Non Major Elective – BASIC PROGRAMMING
DESIGN

(For those who joined in July 2021 onwards)

Time : Three hours Maximum : 75 marks

PART A — (10 × 1 = 10 marks)

Answer ALL questions.

Choose the correct answer.

1. In the flowchart, the symbol represents steps in the process _____.
(a) Oval (b) Diamond
(c) Rectangle (d) None

2. A _____ is a tabular representation of program logic
(a) Decision Table (b) Flowchart
(c) Both (a) and (b) (d) None
3. In _____ programming, allows constructing a program using a set of objects and their interactions.
(a) Structured (b) Unstructured
(c) Object oriented (d) None
4. Debugging Means _____.
(a) Errors (b) Detecting Errors
(c) Correcting Errors (d) None
5. The components used in second generation of computer _____.
(a) IC (b) Vacuum Tube
(c) VLSI (d) Transistor

6. Features of good programming language _____.
(a) Reliability
(b) Concurrency support
(c) Safety
(d) All the above

10. A _____ is nothing more than address of a given unique resource on the web.
(a) URL (b) E-Mail
(c) FTP (d) None

PART B — (5 × 5 = 25 marks)

7. _____ is a set of computer programs and associated documents and data.

Answer ALL questions, choosing either (a) or (b).

Each answer should not exceed 250 words.

- (a) Software (b) Hardware
- (c) Both (a) and (b) (d) None
8. _____ is a software that provides basic machine instructions that allow the hardware to function and communicate with other software running on a device.
(a) Shareware (b) Liveware
(c) Firmware (d) None
9. An _____ is software program designed to detect and remove viruses and other kinds of malicious software from the computer.
(a) Firmware (b) Liveware
(c) Antivirus (d) None

11. (a) Define computer program. How to develop computer program.

Or

- (b) Give a brief note on Algorithm.

12. (a) What is program testing and debugging?

Or

- (b) What are the characteristics available in good programming?

13. (a) What are the components used in first and second generation? Give a note on it.

Or

(b) Write short note on third and fourth generation of computers.

14. (a) What do you mean by system software?

Or

(b) Give a brief note on application software.

15. (a) What is the use of search engine?

Or

(b) How does E-mail work?

PART C — (5 × 8 = 40 marks)

Answer ALL questions, choosing either (a) or (b).

Each answer should not exceed 600 words.

16. (a) Define flowchart. Explain its importance, symbols guidelines, structure and limitations in detail.

Or

(b) What are the steps involved in developing decision table? Describe its advantages and disadvantages.

17. (a) What do you mean by program documentation? Explain its types.

Or

(b) Discuss in detail about program paradigm.

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18. (a) Write short note on the following:

(i) Evaluation of programming language

(ii) Classification of programming language

Or

(b) What are the features of good programming language? Explain.

19. (a) What are the different terminologies used in software?

Or

(b) How do you define software? List out and explain the relationship between hardware and software.

20. (a) List out and explain any ten basic internet terms.

Or

(b) Describe internet applications in detail.

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