

(6 pages)

Reg. No. :

Code No. : 41328 E Sub. Code : SNCS 3 B

U.G. (CBCS) DEGREE EXAMINATION,
NOVEMBER 2018.

Third Semester

Computer Science

Non-Major Elective — BASIC PROGRAMMING
DESIGN

(For those who joined in July 2017 onwards)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 1 = 10 marks)

Answer ALL questions.

Choose the correct answer :

1. The diamond-shape symbol in the flowchart signifies
(a) processing (b) connectors
(c) decision (d) none of these
2. The terminal symbol in a flowchart represents
(a) start and end (b) manual operation
(c) processing (d) decision

3. White box testing is also known as
(a) glass box testing (b) functional testing
(c) clear box testing (d) both (a) and (c)
4. Logical error occurs due to
(a) incorrect syntax (b) incorrect logic
(c) wrong inputs (d) none of these
5. The language used in the business application is
(a) FORTRAN (b) Java
(c) COBOL (d) All of these
6. Machine language is also called as
(a) Low-level language
(b) Assembly language
(c) High-level language
(d) All of these
7. Linux operating system is a type of _____ software.
(a) shareware (b) freeware
(c) commercial (d) proprietary
8. Which of the following is a system software?
(a) MS-Word (b) Tally
(c) MS-Power point (d) Operating system

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9. Which of the following is a search engine?

- (a) Macromedia flash
- (b) Google
- (c) Netscape
- (d) Librarians' index to the internet

10. The internet is owned by

- (a) The US government
- (b) A consortium of telecommunication techniques
- (c) The IETF
- (d) None of these.

PART B — (5 × 5 = 25 marks)

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

Each answer should not exceed 250 words.

11. (a) Define a flow chart. List some important reasons for using flowcharts.

Or

(b) Define an algorithm. List the properties of a good algorithm.

12. (a) Define procedural programming.

Or

(b) Define modular programming.

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13. (a) Give the full forms of the following :

- (i) COBOL
- (ii) BASIC
- (iii) FORTRAN
- (iv) PROLOG
- (v) LISP.

Or

(b) Write a short note on Assembler.

14. (a) What do you mean by the following terms :

- (i) Compiler
- (ii) Interpreter.

Or

(b) What is a firmware? What is its importance in a computer system?

15. (a) What is a newsgroup? How can you subscribe to it?

Or

(b) What do you mean by computer virus? How many types of virus can infect the computer?

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PART C — (5 × 8 = 40 marks)

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

Each answer should not exceed 600 words.

16. (a) Discuss the structure of a flowchart. What guidelines should be followed while making a flowchart?

Or

- (b) What benefits do decision tables offer over flowcharts?

17. (a) Explain the characteristics of a good program.

Or

- (b) Discuss the various aspects of object-oriented programming paradigm.

18. (a) Explain the features of a good programming language.

Or

- (b) Explain in detail any six popular high-level language.

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19. (a) Discuss in detail about the categories in which the software can be divided.

Or

- (b) Why is application software important? In which areas are application software used? Give relevant software names and their use.

20. (a) List various services provided by the Internet.

Or

- (b) What is e-mail? Explain its working with the help of an example.

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