

(6 pages)

Reg. No. : .....

Code No. : 40599 E      Sub. Code : SNCS 3 B/  
SNSE 3 B

U.G. (CBCS) DEGREE EXAMINATION,  
NOVEMBER 2019.

Third Semester

Computer Science/Software Engineering  
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. Algorithms can be represented  
(a) As pseudo codes      (b) As flowcharts  
(c) As programs      (d) All the above
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. Types of computer language translator are  
(a) Compilers      (b) Interpreters  
(c) Assemblers      (d) All of these
6. \_\_\_\_\_ converts an assembly language program into machine language  
(a) Assembler      (b) Interpreter  
(c) Compiler      (d) All of the above
7. Program which is used to control system performance is classified as  
(a) experimental program  
(b) system program  
(c) specialized program  
(d) organized program

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8. Which of the following is system software?  
(a) MS-word (b) Tally  
(c) MS-powerpoint (d) Operating system
9. Modem is short for  
(a) Modulation demolition  
(b) Modulator demodulator  
(c) (a) and (b)  
(d) None of the above
10. A web site's front page/main page is called  
(a) Browser page (b) Search page  
(c) Home page (d) Bookmark

PART B — (5 × 5 = 25 marks)

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

Answer should not exceed 250 words.

11. (a) What is computer program? Explain how to design a program.  
Or  
(b) What is flow diagram? Write the various symbols used in a flowchart.

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12. (a) What is program documentation? Explain types of documentation.

Or

- (b) What is structured programming?

13. (a) Write notes on machine level language.

Or

- (b) Explain the features of good programming language.

14. (a) Explain the relationship between software and hardware.

Or

- (b) Write notes on

- (i) Commercial software  
(ii) Public domain software.

15. (a) Write short notes on

- (i) Browser  
(ii) Web server.

Or

- (b) What is search engine? Explain.

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**PART C — (5 × 8 = 40 marks)**

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

Answer should not exceed 600 words.

16. (a) Define computer algorithm. What are the features of an algorithm?

Or

- (b) Explain decision table with example.

17. (a) What is testing? Explain testing approaches.

Or

- (b) Explain the characteristics of a good programming.

18. (a) Explain the classification of programming language.

Or

- (b) Explain how a high-level language is translated into machine language.

19. (a) Define software. Explain the categories of software.

Or

- (b) What is application software? Explain with example.

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20. (a) Explain E-mail briefly.

Or

- (b) Explain

(i) Modem

(ii) Viruses.

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