Reg. No. : ....

Code No. : 30618 E   **Sub. Code : SNCS 3 B/**
SNSE 3 B

U.G. (CBCS) DEGREE EXAMINATION,
NOVEMBER 2020.

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.   ——————— is a finite number of steps that is
used to solve the problem.

   (a)   Algorithm

   (b)   Program

   (c)   Flow chart

   (d)   None

2. ——————— is the popular testing approaches.

   (a) Glass box   (b) White box

   (c) Clear box   (d) All the above

3. Messages are ——————— to the object.

   (a) interface   (b) modulus

   (c) method   (d) none

4. ——————— refers to the ability of an application run on different platforms.

   (a) portability   (b) efficiency

   (c) flexibility   (d) none

5. Compiler and interpreter are also called ———————.

   (a) translator

   (b) assembler

   (c) machine language

   (d) none

6. ——————— language is used to solve scientific and engineering problems.

   (a) FORTRAN   (b) Java

   (c) COBOL   (d) None

7. Which of the following is system software?

   (a) Ms. Word

   (b) MS Power Point

   (c) Operating system

   (d) None

8. ——————— is used to translate assembly language to machine code.

   (a) assembler   (b) complier

   (c) interpreter   (d) none

9. To prevent infection by a computer virus

   (a) avoid to visit websites

   (b) use antivirus

   (c) do not upgrade OS

   (d) all the above

10. URL is ———————.

   (a) Software   (b) Hardware

   (c) Address of a page   (d) All the above

PART B — (5 × 5 = 25 marks)

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

Each answer should not exceed 250 words.

11. (a) Draw the flow chart to find the largest among three numbers.

Or

(b) Write short note on pseudo code.

12. (a) List the advantages and disadvantages of white box testing.

Or

(b) What is structured programming?

13. (a) Write short note on compiler.

Or

(b) What are advantages of high level language?

14. (a) What are the functions of operating system?

Or

(b) Write short notes on loader.

15. (a) Write short note on Internet Service Providers.

Or

(b) Write about online and off line.

PART C — (5 × 8 = 40 marks)

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

Each answer should not exceed 600 words.

16. (a) Explain flow chart structures in detail.

Or

(b) Explain decision table and its advantages.

17. (a) What are documenting techniques for developer?

Or

(b) Explain any four Oops concepts.

18. (a) Explain any four high level languages.

Or

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

19. (a) Explain the following :

(i) System software

(ii) Device driver.

Or

(b) Write short note on the following :

    (i) public domain software

    (ii) freeware.

20. (a) List the applications of the internet.

Or

(b) How to send and receive e-mail?

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