(6 pages)

Reg. No. : ....

Code No. : 20496 E   Sub. Code : **CNCS 32/**
CNSE 32

U.G. (CBCS) DEGREE EXAMINATION,
NOVEMBER 2023.

Third Semester

Computer Science/Software Engineering

Non Major Elective — BASIC PROGRAMMING
DESIGN

(For those who joined in July 2021 – 2022)

Time : Three hours   Maximum : 75 marks

PART A — (10 × 1 = 10 marks)

Answer ALL questions.

Choose the correct answer :

1. Which of the following programs help in the normal functioning of the computer?

    (a) MSDOS.SYS and COMMAND.COM

    (b) FORMAT.COM and CHKDSK.COM

    (c) MSDOS.SYS and FORMAT.COM

    (d) COMMAND.COM and CHKDSK.COM

2. Which phase enables the user to operate the program correctly?

    (a) Analysis   (b) Testing

    (c) Coding   (d) Documentation

3. What error occurs when the rules of programming language are not followed?

    (a) Syntax   (b) Logic

    (c) Semantic   (d) grammatic

4. Which of the following is not open box testing?

    (a) White box testing   (b) Glass box

    (c) Clear box   (d) Functional

5. Machine language is also called ———— language

    (a) low level   (b) assembly

    (c) middle level   (d) high level

6. Which is the only language computers can directly execute?

    (a) low level   (b) assembly

    (c) middle level   (d) high level

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7. Which is the first layer of software that is loaded into the computer memory?

   (a) device driver

   (b) utility

   (c) application software

   (d) operating system

8. Programming language closer to human language is ——————— language

   (a) machine   (b) high level

   (c) assembly   (d) low level

9. ——————— are international discussion groups that focus on a particular topic

   (a) Telnet   (b) Usenet

   (c) Blog   (d) Twitter

10. Which is a service on the internet that allows people to communicate in real time?

    (a) URL   (b) TCP/IP

    (c) IRC   (d) FTP

PART B — (5 × 5 = 25 marks)

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

Each answer should not exceed 250 words.

11. (a) What are the basic rudiments to design a program?

    Or

    (b) Write the properties of algorithms.

12. (a) Write a note on Syntax Errors.

    Or

    (b) Explain the different Testing Approaches.

13. (a) Write a note on the types of programming languages.

    Or

    (b) Compare compiler and interpreter.

14. (a) Briefly explain the categories of software.

    Or

    (b) Write a note on device drivers.

15. (a) What is telnet? How does it work?

    Or

    (b) Write a note on internet telephony.

PART C — (5 × 8 = 40 marks)

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

Each answer should not exceed 600 words.

16. (a) Briefly explain flowchart structures.

Or

(b) Use decision table to find the largest of three numbers.

17. (a) Explain black box testing.

Or

(b) Explain object-oriented programming.

18. (a) Give the advantages of high level languages.

Or

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

19. (a) Explain the system management programs.

Or

(b) Explain the importance of application software.

20. (a) Explain
   (i) webpage   (ii) website
   (iii) homepage   (iv) WWW.

Or

(b) Explain sending and receiving email.

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