

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

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

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

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.

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20. (a) Explain

- (i) webpage (ii) website
(iii) homepage (iv) WWW.

Or

- (b) Explain sending and receiving email.

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