

(6 pages)

Reg. No. :

Code No. : 21005

Sub. Code : GNCS 4 A/
GNSE 4 A

U.G. (CBCS) DEGREE EXAMINATION,
APRIL 2015.

Fourth Semester

Computer Science

Non-Major Elective — BASIC PROGRAMMING
DESIGN

(For those who joined in July 2012 and afterwards)

Time : Three hours

Maximum : 75 marks

SECTION A — (10 × 1 = 10 marks)

Answer ALL questions.

Choose the correct answer :

1. A _____ is a step by step procedure to solve a problem

(a) commands (b) algorithm
(c) program (d) instruction

2. A _____ is a pictorial representation of a problem

(a) Flowchart (b) Algorithm
(c) Chart (d) HIPO chart

3. The process of checking error is called

(a) Testing (b) Debugging
(c) Compiling (d) Linking

4. Which of the following is Object oriented programming language?

(a) C++ (b) JAVA
(c) Eiffel (d) All of these

5. Now a days we use which language?

(a) High level (b) Machine
(c) Assembly (d) None of these

6. How many types of computer languages are available?

(a) 2 (b) 3
(c) 4 (d) 5

7. Which of the following is utility program

(a) Calculator (b) MS-Word
(c) MS-Excel (d) MS-Powerpoint



8. The major component of computer is
(a) Memory (b) I/O devices
(c) CPU (d) All of the above

9. DOS stands for
(a) Disk Operating System
(b) Device Operating system
(c) Disk Online System
(d) Device Online System

10. _____ is an interface between user and computer hardware
(a) Operating system
(b) Compiler
(c) System software
(d) Utility program

SECTION B — (5 × 5 = 25 marks)

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

Each answer should not exceed 250 words.

11. (a) How to develop program?

Or

- (b) Write an algorithm to find biggest among three numbers

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12. (a) What is the need of program documentation?

Or

- (b) Compare structured programming and object oriented programming.

13. (a) Discuss the features of good programming languages.

Or

- (b) Discuss the evolution of programming languages.

14. (a) Define software. Compare software and hardware.

Or

- (b) Describe public domain software.

15. (a) Define operating system. List its uses.

Or

- (b) Write down the features of Windows XP.

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SECTION C — (5 × 8 = 40 marks)

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

Each answer should not exceed 600 words.

16. (a) Write a note on decision table and pseudo code.

Or

- (b) Draw a flowchart to find the sum of N numbers. Also write down the algorithm and pseudocode for it.

17. (a) Explain program testing and debugging techniques.

Or

- (b) Explain various programming paradigms.

18. (a) Discuss the classification of programming languages.

Or

- (b) Discuss the generation of programming languages.

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19. (a) Explain any two categories of software.

Or

- (b) Describe Firmware, Liveware and Freeware.

20. (a) Describe the evolution of operating system.

Or

- (b) Explain the functions of operating systems.
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