

(6 pages)

Reg. No. :

Code No. : 21003

Sub. Code : GNCS 3 A/
GNSE 3 A

U.G. (CBCS) DEGREE EXAMINATION,
NOVEMBER 2014.

Third Semester

Computer Science

Non-Major Elective — INTRODUCTION TO
COMPUTERS

(For those who joined in July 2012 onwards)

Time : Three hours

Maximum : 75 marks

SECTION A — (10 × 1 = 10 marks)

Answer ALL questions.

Choose the best answer :

1. The base of octal number system is _____.
(a) 2 (b) 10
(c) 8 (d) 16
2. One kilo byte contains how many bytes?
(a) 1000 (b) 1024
(c) 100 (d) 1002

3. Computer today are part of the _____ generation of computers.
(a) first (b) second
(c) third (d) none of the above
4. First generation computer system used
(a) transistors (b) vacuum tubes
(c) silicon chips (d) none of the above
5. A scanner is an _____ device.
(a) Input (b) I/O
(c) Output (d) None of the above
6. Which of the following is a output device?
(a) Keyboard (b) Printer
(c) Mouse (d) None of these
7. Magnetic disk has _____ access.
(a) serial (b) direct
(c) sequential (d) none of these
8. Which of the following is not a storage device?
(a) DVD (b) CD
(c) Mouse (d) Floppy



9. Which of the following is a network topology?
 (a) square (b) star
 (c) moon (d) none of these
10. E-mail help us to _____ mail.
 (a) receive/send (b) receive
 (c) send (d) none of these

SECTION B — (5 × 5 = 25 marks)

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

Answer should not exceed 250 words.

11. (a) Convert the following :
 (i) $(100)_{10}$
 (ii) $(100)_8$
 (iii) $(100)_{16}$.

Or

- (b) What is hexadecimal no.? Explain.

12. (a) Discuss the evolution of computers.

Or

- (b) Explain functionality of computer.

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13. (a) What is the meaning of input device? Explain.

Or

- (b) Explain the computer output device-projector.

14. (a) Discuss the types of ROM.

Or

- (b) Define and explain universal serial bus.

15. (a) What is the meaning of WAN? Explain.

Or

- (b) What is the use of E-mail? Explain.

SECTION C — (5 × 8 = 40 marks)

Answer the following questions choosing either (a) or (b).

Each answer should not exceed 600 words.

16. (a) Convert the following :

- (i) $(786)_{10} = ()_{16}$
 (ii) $(777)_8 = ()_{10}$
 (iii) $(EFF)_{16} = ()_{10}$.

Or

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[P.T.O.]



(b) Explain the following with neat diagram

- (i) AND
- (ii) OR
- (iii) NAND.

17. (a) Explain characteristics of computers.

Or

(b) Write in detail about generation of computers.

18. (a) Write in detail about

- (i) Scanners
- (ii) MICR.

Or

(b) Explain the following :

- (i) Monitor
- (ii) Printer
- (iii) Plotters.

19. (a) What is Random Access Memory? Explain.

Or

(b) Describe the classification of secondary devices.

20. (a) Explain the following :

- (i) LAN
- (ii) Network topologies.

Or

(b) Define Internet. Explain its application.

