

(6 pages)

Reg. No. :

Code No. : 10402

Sub. Code : JNCN 3 B

U.G. (CBCS) DEGREE EXAMINATION,
NOVEMBER 2017.

Third Semester

Computer Application

Non-Major Elective — FUNDAMENTALS OF
COMPUTER TECHNOLOGY

(For those who joined in July 2016 onwards)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 1 = 10 marks)

Answer ALL questions.

Choose the correct answer :

1. Who is the father of computer?

- (a) Allen Turing
- (b) Charles Babbage
- (c) Simur Cray
- (d) Augusta Adaming

2. How would you represent the decimal value of 30 in Hexadecimal?

- (a) 1E
- (b) 30
- (c) 1C
- (d) 11010

3. Software required to run the hardware is known as

- (a) Task Manager
- (b) Task Bar
- (c) Program Manager
- (d) Device Driver

4. In order to access the World Wide Web you need

- (a) An Internet connection, an Internet Service Provider and browser software
- (b) Only Internet Explorer
- (c) A modem and a browser
- (d) Nothing-PM computers can access the Internet

5. _____ is volatile memory.

- (a) ROM
- (b) RAM
- (c) EPROM
- (d) EEPROM

Page 2 **Code No. : 10402**



6. Software is
(a) A computer program
(b) A set of instructions
(c) Only in operating system
(d) All of the above
7. Which of the following is a type of network?
(a) RING (b) BUS
(c) STAR (d) PAN
8. LAN stands for
(a) Limited Area Network
(b) Local Area Network
(c) Long Area Network
(d) Large Area Network
9. Operating System is a
(a) Hardware (b) Software
(c) Firmware (d) All of these
10. Windows is a kind of
(a) Operating system
(b) Graphical display device
(c) Monitor display system
(d) Video game

Page 3 Code No. : 10402

PART B — (5 × 5 = 25 marks)

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

Each answer should not exceed 250 words.

11. (a) Define Computer.

Or

- (b) What is second generation computer?

12. (a) What is system software?

Or

- (b) Write down the history of evolution of Internet.

13. (a) What is flowchart?

Or

- (b) List any five application software packages.

14. (a) What is Computer Network?

Or

- (b) What are the differences between Local Area Network and Metropolitan Area Network?

Page 4 Code No. : 10402
[P.T.O.]



15. (a) What are the services of an operating system?

Or

- (b) List out the characteristics of an operating system.

PART C — (5 × 8 = 40 marks)

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

Each answer should not exceed 600 words.

16. (a) Explain the generations of computer.

Or

- (b) What is number system? Explain its types.

17. (a) Discuss about the software development steps.

Or

- (b) Briefly discuss major services of Internet.

18. (a) Differentiate volatile and non-volatile memory.

Or

- (b) Write a flow chart to find the maximum value of two Integers.

Page 5 Code No. : 10402

19. (a) Explain various types of network technologies.

Or

- (b) What is Star Topology? Explain in detail.

20. (a) Explain various types of operating system.

Or

- (b) Explain in detail the basic security concepts in personal computer.

Page 6 Code No. : 10402

