**Reg. No. :** ...........................................

**Code No. : 20426 E**     **Sub. Code : SNCA 3 B/ ANCA 32**

U.G. (CBCS) DEGREE EXAMINATION,
NOVEMBER 2021.

Third Semester

Computer Application

Non Major Elective — INTRODUCTION TO
COMPUTER

(For those who joined in July 2017 onwards)

Time : Three hours        Maximum : 75 marks

PART A — (10 × 1 = 10 marks)

Answer ALL questions.

Choose the correct answers :

1.   Mechanical devices are a type of —————

    (a)  Firmware        (b)  Hardware

    (c)  Software        (d)  Middleware

2. The number of instructions a computer can process in a given time is called its

(a) versatility  (b) speed

(c) efficiency  (d) accuracy

3. The unit of the computer which gives the results of the process and a computation is the

(a) Input unit  (b) Processing unit

(c) Memory unit  (d) Output unit

4. The largest unit of storage is ————

(a) GB  (b) KB

(c) MB  (d) TB

5. What type devices are computer speakers or headphones?

(a) Input  (b) Output

(c) Software  (d) Input/output

6. A bar code reader is an example of ————

(a) Processing device  (b) Storage device

(c) Input device  (d) Output device

7. Which device is used to backup the data?

   (a) Floppy disk       (b) Tape

   (c) Network drive     (d) All of the above

8. A half byte is known as —————

   (a) Data            (b) Bit

   (c) Half bit        (d) Nibble

9. The ————— software controls the working of the computers system.

   (a) Application      (b) Firmware

   (c) Utility         (d) Systems

10. Which of the following operating system often use specialized scheduling algorithms so that they can achieve a deterministic nature of behavior?

    (a) Real-time operating systems

    (b) Single user operating systems

    (c) Single-tasking system

    (d) Distributed operating system

PART B — (5 × 5 = 25 marks)

Answer ALL questions, choosing either (a) or (b) not exceeding 250 words.

11. (a) Write short notes on computer.

Or

(b) Discuss about digital computer.

12. (a) Clarify about the control unit.

Or

(b) Convert $(1792)_{10}$ and $(127)_{10}$ to octal.

13. (a) Write short notes on keyboard.

Or

(b) Discuss about plotter. Write its usage.

14. (a) Mention the characteristics of memory hierarchy.

Or

(b) How to ROM is used inside the computer?

15. (a) Discuss the concept of system software.

Or

(b) Write the evolution of operating system.

PART C — (5 × 8 = 40 marks)

Answer ALL questions, choosing either (a) or (b) not exceeding 600 words.

16. (a) Explain the various generations of computer.

Or

(b) Write the following :

(i) Minicomputer

(ii) Mainframe computer

(iii) Super computer.

17. (a) Discuss about the various components inside the computer.

Or

(b) Convert the following :

(i) $(378.93)_{10}$ to octal

(ii) Convert $(62)_8$ into $(?)_{10}$.

18. (a) Explain the term :

(i) Light pen

(ii) Speech input devices

(iii) OMR.

Or

(b) Define printer. Write in detailed about various types of printers.

19. (a) Examine the concept of memory unit.

Or

(b) Write detailed notes on various types of optical disk.

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

Or

(b) Discuss about software privacy and software terminology.

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