

- xii. Which of the following devices can be used to directly input printed text
- a) OCR b) OMR c) MICR d) None of the above
- xiii. Actual execution of instructions in a computer takes place in _____
- a) ALU b) CU c) Storage unit d) None of the above
- xiv. The word processing task associated with changing of the appearance of the document is _____
- a) Editing b) Writing c) Formatting d) All of the above
- xv. BIOS stand for _____
- a) Basic Input Output System
b) Binary Input Output System
c) Basic Input Off System
d) None of the above
- 2.** Answer any *ten* from the following questions : $2 \times 10 = 20$
- i) What is a Input device? Explain with examples.
- ii) What is the main difference between a SSD and HDD?
- iii) convert $(AC)_{16}$ to Decimal Number System.
- iv) Convert $(164)_8$ to Decimal Number System.
- v) Explain different between Virus and Worm.

B.Sc. 1st Semester (Honours) Examination, 2022-23**FORESTRY****COURSE ID: 13505 COURSE CODE: SH/FST/BS 1101****COURSE TITLE: Information and Communication Technology****(New Syllabus)***Time : 2 Hours**Full Marks : 50**The figures in the right hand margin indicate full marks.**Candidates are required to give their answers in their own words as far as practicable.*

- 1.** Answer any *Ten* questions : $1 \times 10 = 10$
- i. Which unit is responsible for converting the data received from the user into computer understandable format?
- a) Memory Unit b) Arithmetic & Logic Unit c) Input Unit d) Output Unit

- ii. The only language which the computer understands is _____ .
- a) Assembly Language b) Binary Language c) BASIC
d) C-Language
- iii. PCI stands for_____.
- a) Peripheral Component Interconnect b) Partial Component Interconnect c)Peripheral Component Interaction d) Partial Component Interaction
- iv. Components that provide internal storage to the CPU are _____
- a) Registers b) Program Counters c) Controllers
d) Internal chips
- v. Computerized Railway Reservation system is an example of _____
- a) Offline Application Software b) Online Application
c) Both a and b d) None of the above
- vi. Which of the following is a valid file extension for Notepad file?
- a) .jpg b) .doc c) .text (POST) starts d). txt

- vii. Quick Heal, Norton, McAfee, AVG etc are the example of _____
- a) Antivirus, b) Application Software,
c) worms, d) Boot Sector virus
- viii. The access method used for magnetic tape is _____
- a) Direct b) Random
c) Sequential d) None of the above
- ix. By Processing we understand _____
- a) Processing string of only words
b) String manipulation only
c) Processing string of numbers and special symbols
d) None of the above
- x. The difference between memory and storage is that the memory is _____ and storage is _____
- a) temporary, permanent b) permanent, temporary
c) slow, fast d) fast, slow
- xi. Which of the Following holds the ROM, CPU, RAM and software expansion cards?
- a) Hard disk b) Floppy disk c) Mother board
d) None of the above

- iv) Briefly describe Berlo's SMCR model of communication?
 - v) Briefly describe the block diagram of a computer system.
 - vi) Write short notes on Utility Software.
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- vi) What is the difference between System and Application software?
- vii) What are the different symbols used in a Flowchart?
- viii) What are different network topologies?
- ix) What is a wizard? How is it different from template?
- x) Convert $(100111.110)_2$ to Decimal Number System.
- xi) What is BIOS?
- xii) Convert $(242)_{10}$ to Binary Number System.
- xiii) Define intra and internet?
- xiv) What is flash memory?
- xv) What do you mean by www?

3. Answer any *four* of the following questions. $5 \times 4 = 20$

- i) Describe different types of communication.
- ii) Draw a flowchart for an algorithm to add up all even numbers between 0 to 100 and print the result.
- iii) Write steps to create a report in MS-Access.