

# COMPUTER SCIENCE 2023

TIME: 3 Hours

(75 Marks)

## SECTION 'A' (Multiple Choice Questions)(15)

1 Choose the correct answer for each from the given options:

i) This is an example of system software:

- \* MS Excel \* MS Word \* Operating System ✓ \* Basic

ii) This is a low level language:

- \* Assembly ✓ \* Visual Basic \* Java \* C++

iii) This is a sequential storage medium

- \* CD \* Magnetic Tape ✓  
\* Punch Card \* Hard disk

iv) This topology has central hub:

- \* Mesh \* Star ✓ \* Ring \* Bus

v) The process of converting digital signals to analog signals is called:

- \* Modulation ✓ \* Demodulation  
\* Synchronization \* Transformation

vi) This is a set of rules that govern data communications:

- \* Buses \* Registers \* Routers \* Protocols ✓

vii) This is not a computer virus:

- \* Trojan Horse \* Time Bomb  
\* Avast ✓ \* Worm

viii) This is a computer virus that replicates itself:

- \* Bug \* Worm ✓ \* Vaccine \* Bomb

ix) Bluetooth is an example of:

- \* Personal area Network ✓ \* Local Area Network  
\* Virtual Private Network \* Wide Area Network

x) This is a printer that works by spraying ionized ink at sheet of paper.

- \* Ink-jet Printer ✓ \* Dot matrix  
\* Laser Printer \* Chain Printer

xi) In topology all of the nodes in the network are connected to a single cable or line:

- \* Ring \* Star \* Tree \* Mesh

Correct answer is Bus

xii) A television broadcast is an example of this transmission mode:

- \* Half Duplex \* Simplex ✓  
\* Full-Duplex \* Multiplex

xiii) DPI stands for

- \* Dot Per Inch ✓ \* Decimal Per Inch  
\* Digit Per Inch \* Data Per Inch

xiv) A group of bits that tells the computer to perform a specific operation is known as:

- \* Instruction Code ✓ \* Algorithm  
\* Accumulator \* Register.

15) A person who gains illegal access to a computer system is known as:

- \* Hacker ✓ \* Spy \* Pirate \* Thief