

ESKPXI-XXIV (I)
COMPUTER SCIENCE PART-I

Time Allowed: 3 Hrs

Marks: 75

Note: There are **Three Sections** in this paper i.e. A, B and C. Attempt Section-A and return it to the Superintendent within the given time. No marks will be awarded for **Cutting, Erasing and Overwriting.**

Mobile Phone is strictly prohibited in Examination Hall.

Time: 20 Minutes

SECTION "A"

Marks: 15

Q.1. Choose the correct option and shade one of (A, B, C, D) in the given **Bubble Answer Sheet.**

- i.** Converting a C++ code into binary form _____ is used.
(A) Assembler (B) Compiler (C) Interpreter (D) None of these
- ii.** The distance between the pixels on the monitor is called _____.
(A) Size (B) Refresh Rate (C) Dot Pitch (D) Resolution
- iii.** 2GB is equal to _____.
(A) 2048 MB (B) 1024 MB (C) 2000 MB (D) 2048 KB
- iv.** Which of the following is a sequential access storage device?
(A) Magnetic disk (B) Magnetic tape (C) Zip disk (D) Flash drive
- v.** Palmtop computers are also called as _____ computers.
(A) Laptop (B) Super (C) Handheld (D) Note book
- vi.** _____ is a microprocessor architecture designed to perform a smaller number of instructions.
(A) RISC (B) CISC (C) LIST (D) DISK
- vii.** Which of the following is the fastest slot?
(A) PCI (B) AGP (C) PCIe (D) ISA
- viii.** A collection of two or more computers to share data is called _____.
(A) Route (B) Network (C) Path (D) Medium
- ix.** Television and Radio transmission is an example of _____ communication mode.
(A) Duplex (B) Full Duplex (C) Simplex (D) Half Duplex
- x.** The GPS system consists of _____ satellites.
(A) 20 (B) 22 (C) 25 (D) 24
- xi.** The range of the IP address in _____ is between 128 to 191.
(A) Class A (B) Class B (C) Class C (D) Class D
- xii.** 'Delete' is an example of _____ command.
(A) DNL (B) DCL (C) DDL (D) DML
- xiii.** _____ is the first markup language standard for wireless devices.
(A) HTML (B) WML (C) HTTP (D) WAP
- xiv.** Transitive dependency is removed in _____ normal form.
(A) First (B) Second (C) Third (D) Fourth
- xv.** Which of the following cable transmits signals in the form of light?
(A) Twisted Pair (B) Fiber Optic (C) Coaxial (D) None of these

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Time: 2 Hours 40 Minutes

SECTION "B"

Marks: 36

Q.2. Give short answers to any NINE (09) questions. All questions carry equal marks.

- i.** Briefly explain basic operations of a computer with the help of a block diagram.
- ii.** State four differences between hardware and software.
- iii.** What is the role of BIOS in computer system?
- iv.** Define system bus.
- v.** Briefly explain types of ROM (Read Only Memory).
- vi.** Discuss components of data communication system.
- vii.** What is OSI Model?
- viii.** Briefly explain four advantages of database management system.
- ix.** Explain stages of instruction cycle.
- x.** Differentiate between primary key and foreign key.
- xi.** What is the function of control unit in computer?
- xii.** Discuss Global Positioning System (GPS).

SECTION "C"

Marks: 24

Note: Attempt any THREE (03) questions from the following. Each question carries equal marks.

- Q.3.** What is CPU? Describe basic components of CPU in detail.
- Q.4.** What is guided media? Explain different types of guided media in detail.
- Q.5.** Why we use memory in computer system? Explain primary memory in detail.
- Q.6.** What is SQL? Explain its types in detail.