

BOARD OF INTERMEDIATE EDUCATION, KARACHI

INTERMEDIATE EXAMINATION

MODEL PAPER 2026

COMPUTER SCIENCE PAPER – I

Max. Marks: 60

(Science General Group)

Time: 2 hours 40 minutes

INSTRUCTIONS: i) SECTION ‘B’ and SECTION ‘C’ must be solved on provided **E-Sheet** (Examination Copy).
ii) Student are instructed to write their answers on page allocated for the respective question number.

SECTION ‘B’

(SHORT-ANSWER QUESTIONS)

Marks: 30

Note: Answer **All** part questions from this section. All part questions carry equal marks.

2. i) What is Information Technology? Write any three uses or abuses of IT.
- OR**
- How can be a Bar Code Reader useful in superstore?
- ii) What are the differences between Hardcopy and Softcopy?
- OR**
- Differentiate between Synchronous transmission and Asynchronous Transmission.
- iii) Define computer virus with examples. ? Name any five antiviruses.
- OR**
- What devices are useful to print huge drawing or maps? Give their names.
- iv) What is fetch Cycle? Draw its diagram.
- OR**
- Name the component of data communication.
- v) What is Modulation and Demodulation?
- OR**
- How is a Compiler more efficient than Interpreter?
- vi) Write any four differences between Impact printers and Non-Impact Printers.
- vii) Define the LAN component which is useful to allow communication between two different networks.
- viii) Differentiate between Analog signals and Digital Signals.
- ix) What is the difference between Broadcast and Point-to-Point.
- x) Write full form of any **Three** of the following:
- * OCR * GUI * SVGA * CRT * BIOS

SECTION ‘C’

(DETAILED-ANSWER QUESTIONS)

Marks: 30

Note: Answer **All** questions from this section. All questions carry equal marks.

3. What is an Operating System? Explain its Functions.
- OR**
- What is Computer Register? Explain its types.
4. Explain data communication channels with examples.
- OR**
- Explain secondary storage devices with examples.
5. Draw and explain OSI reference model.
- OR**
- What is meant by Computer Network? Classify by their scale and limitation.

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INTERMEDIATE EXAMINATION
MODEL PAPER 2026

COMPUTER SCIENCE PAPER – I

Max. Marks: 15

(Science General Group)

Time: 20 minutes

SECTION ‘A’

- NOTE:**
- i) This section consists of 15 part questions and all are to be answered. Each part question carries one mark.
 - ii) This Section ‘A’ of Multiple Choice Question (MCQs) must be solved on the **MCQs/OMR sheet** enclosed on the last page of provided **E-Sheet & OMR** (Examination Copy).
 - iii) The correct answer bubble must be filled on MCQs / OMR sheet 1) ☐ A ☐ B ☐ C ☐ D
 - iv) Use only blue / black ball point on MCQs / OMR sheet.
 - v) Avoid pencil / White-o pen / correction pen / ink remover and gel pen to solve the question on MCQs / OMR sheet.
 - vi) All notations are used in their usual meanings. The use of Scientific Calculator is allowed.

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

1. 1 Gigabyte (GB) data is equivalent to:
A) 1024 KB B) 1024 Bytes C) 1024 MB D) 1024 TB
2. Floppy Disk and Hard Disk are the types of:
A) Optical Disk B) Magnetic tape C) Magnetic Disk D) Flash Memory
3. SIMM is the abbreviation of:
A) Single interfacing Memory Module B) Simple Inline Memory Module
C) Single Inline Memory Module D) Simple Inline Memory Mode
4. OSI Model contain:
A) six layers B) five layers C) three layers D) seven layers
5. The Cheapest topology is:
A) Ring B) Bus C) Tree D) Star
6. A Computer virus is a:
A) Signal B) Software C) Hardware D) Firmware
7. It is scanning input device:
A) Keyboard B) Mouse C) Track ball D) OMR
8. The electrical path that carries data from one computer devices to another is called:
A) Bus B) CPU C) Circuit D) Chip
9. This LAN component connects two similar networks:
A) Server B) Bridge C) Router D) Gateway
10. Coaxial cable and fiber optics are the examples of:
A) Router B) Communication Media
C) Modem D) Switch
11. This mark-up language is used to produce Web pages:
A) XML B) HTML C) SGML D) WML
12. The most common protocol used for e-mail is:
A) FTP B) TCP/IP C) SMTP D) IEEE
13. The process of converting an analog signal to digital signal is called:
A) Modulation B) Telecommunicating
C) Demodulation D) Switching
14. It is the set of Rules on the internet:
A) Topology B) Protocol C) Router D) Modem
15. A mode of communication that allows information to travel two direction but not simultaneously is called:
A) Full duplex B) Half duplex C) Synchronous D) Simplex

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