



NO. SELD/CA/CW/18/2018.  
GOVERNMENT OF SINDH  
SCHOOL EDUCATION & LITERACY DEPARTMENT  
Karachi, dated the 17<sup>th</sup>, February, 2026.

To,

**The Director,**  
Directorate of Curriculum, Assessment & Research (DCAR), Jamshoro.


**SUBJECT: SUBMISSION OF STANDARDIZED MODEL TEST PAPERS FOR GRADE-IV TO GRADE-VIII FOR THE ACADEMIC YEAR 2025-2026. (REQUEST FOR APPROVAL & DISSEMINATION).**

This letter is with reference to your letter No. DCAR/DIR/52/-2026, dated; 04<sup>th</sup> of February 2026 on the subject cited above.

Reference to the content of the letter as stated that the Directorate of Curriculum, Assessment & Research (DCAR), has developed the Standardized Model Test Papers for Grade IV to Grade-VIII, for the Academic Session 2025-2026 and for Local Annual Examinations 2026.

This is to inform that the competent authority has approved the request and permission is granted for dissemination of the developed Standardized Model Test Papers for Grade IV to Grade-VIII, to all Directorates of School Education of all regions of Sindh, for guidance and preparation of Standard Test Papers.

Your assistance with this matter is highly valued.

  
**Dr. Fouzia Khan**  
Chief Executive Advisor (Curriculum Wing)  
School Education and Literacy Department  
Government of Sindh.

A copy is forwarded for information to: -

1. The P.S to Minister for Education, Govt. of Sindh.
2. The P.S to Secretary, School Education & Literacy Department, Govt. of Sindh.
3. The Office File.



**14. Application software is designed to:**

- a) Control hardware
- b) Perform specific user tasks
- c) Manage memory
- d) Start the computer

**15. System software is used to:**

- a) Draw pictures
- b) Control and manage computer operations
- c) Type documents
- d) Play games

**16. Storage devices are important because they:**

- a) Display information
- b) Process data
- c) Save data for future use
- d) Control the CPU

**17. A mouse is used to:**

- a) Type text
- b) Select and click items on the screen
- c) Print documents
- d) Store files

**18. A computer without software is:**

- a) Fast
- b) Useful
- c) Not functional
- d) Automatic

**19. The printer produces output in the form of:**

- a) Soft copy
- b) Hard copy
- c) Audio
- d) Video

**20. Processed data is known as:**

- a) Input
- b) Information
- c) Storage
- d) Hardware

**21. Which device is used to scan images or documents?**

- a) Printer
- b) Monitor
- c) Scanner
- d) Speaker

**22. To save a project file, which device should be used?**

- a) Keyboard
- b) USB Flash Drive
- c) Mouse
- d) Monitor

**21. Which software is suitable for typing letters?**

- a) Paint
- b) MS Word
- c) Calculator
- d) Windows

**22. To hear sound from a computer, which device is required?**

- a) Scanner
- b) Monitor
- c) Speakers
- d) Printer

**23. Which device is commonly used for video communication?**

- a) Mouse
- b) Webcam
- c) Keyboard
- d) Printer

**24. Data stored in which memory is lost when power is off?**

- a) ROM
- b) Hard disk
- c) RAM
- d) CD

**25. Which software is used for drawing pictures?**

- a) MS Word
- b) Paint
- c) Excel
- d) Windows

**26. Which storage device is portable?**

- a) Hard disk
- b) USB flash drive
- c) ROM
- d) RAM

**27. Which device is used to print assignments?**

- a) Scanner
- b) Monitor
- c) Printer
- d) Speaker

**28. Which device controls the movement of the pointer on the screen?**

- a) Keyboard
- b) Mouse
- c) Monitor
- d) Printer

**29. Which part of the CPU performs calculations?**

- a) Control Unit
- b) Arithmetic Logic Unit (ALU)
- c) Register
- d) Monitor

**30. Computer data is represented in binary form using:**

- a) Letters
- b) Numbers
- c) 0 and 1
- d) Symbols

**31. Which of the following is application software?**

- a) Windows
- b) MS Paint
- c) BIOS
- d) DOS

**32. Which device can be used as both input and output?**

- a) Keyboard
- b) Mouse
- c) Touch screen
- d) Printer

**33. Which type of memory works the fastest?**

- a) Hard disk
- b) RAM
- c) CD
- d) USB

**34. Computer safety helps to:**

- a) Increase games
- b) Protect computer from damage
- c) Print documents
- d) Type data

**35. The internet is mainly used for:**

- a) Storing files
- b) Sharing information
- c) Printing data
- d) Drawing pictures

**36. A soft copy of information is viewed on:**

- a) Paper
- b) Printer
- c) Screen
- d) CD

**37. Which device is used to record sound?**

- a) Speaker
- b) Monitor
- c) Microphone
- d) Printer

**38. Which component controls all the activities of a computer?**

- a) Mouse
- b) Keyboard
- c) CPU
- d) Monitor

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### **Section - B: Short Answer Type (10 × 4 = 40 Marks)**

**Attempt all questions. Answers should be brief and to the point.**

1. Define a computer.
2. State any four uses of a computer.
3. What is hardware? Give two examples.
4. What is software?
5. Differentiate between RAM and ROM.
6. Name any four input devices.
7. What is an output device? Give two examples.
8. What is a storage device?
9. Write two differences between system software and application software.
10. Why is computer care important?

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### **Section - C: Descriptive / Application Type Questions (2 × 10 = 20 Marks)**

1. Attempt any TWO questions. Answers should include explanation, examples, and diagrams where necessary.
2. Explain the main components of a computer system with suitable examples and a neat diagram.
3. Describe input devices and output devices. Explain their uses in daily life with examples.
4. Explain computer memory and storage devices. Discuss their importance and applications.



**MODEL QUESTION PAPER**  
**Computer Science :Final Examination 2026**

**Class: VII**

**Time Allowed: 3 Hours**

**Maximum Marks: 100**

General Instructions:

This question paper consists of three sections: A, B, and C.

Attempt the questions according to the instructions given in each section.

Marks are indicated against each question.

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**Section – A: Objective Type (40 × 1 = 40 Marks)**

*Attempt all questions. Select the correct option from the given choices. The correct option is highlighted.*

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**1. Which emerging technology allows machines to learn from mistakes and make decisions?**

- a) Robotics
- b) Artificial Intelligence
- c) Virtual Reality
- d) Cloud Computing

**2. Which generation of computers used vacuum tubes?**

- a) First Generation
- b) Second Generation
- c) Third Generation
- d) Fourth Generation

**3. Which device is used to copy a paper document into digital form?**

- a) Printer
- b) Monitor
- c) Scanner
- d) Speaker

**4. Which port is commonly used to connect a mouse or keyboard?**

- a) HDMI
- b) USB
- c) Ethernet
- d) Serial

**5. What does LED stand for in LED monitor?**

- a) Light Emitting Display
- b) Light Emitting Diode
- c) Liquid Emitting Display
- d) Light Electronic Diode

**6. Which technology uses human fingerprints or face for identification?**

- a) Cloud Computing
- b) Biometrics
- c) CAT
- d) Holography

**7. What is the main purpose of a modem?**

- a) Print documents
- b) Connect to the internet

- c) Store files
- d) Display images

**8. Which file extension is used for Microsoft Word documents?**

- a) .ppt
- b) .txt
- c) .docx
- d) .jpg

**9. Which tab in MS Word is used to insert a table or picture?**

- a) Home
- b) Insert
- c) Design
- d) View

**10. What is the shortcut key to save a document?**

- a) Ctrl + C
- b) Ctrl + V
- c) Ctrl + S
- d) Ctrl + P

**11. In PowerPoint, which view allows you to see speaker notes?**

- a) Slide Show
- b) Outline View
- c) Presenter View
- d) Reading View

**12. Which of the following is NOT a valid email address?**

- a) ali@gmail.com
- b) sana@yahoo.com
- c) raza@outlook.com
- d) khan@com

**13. What does CC stand for in email?**

- a) Copy Computer
- b) Carbon Copy
- c) Computer Copy
- d) Confirmed Copy

**14. Which tool in PowerPoint makes an object appear on click?**

- a) Transition
- b) Animation
- c) Hyperlink
- d) Layout

**15. Which skill of computational thinking means “breaking down a problem”?**

- a) Abstraction
- b) Decomposition
- c) Logical Thinking
- d) Decision Making

**16. What is a flowchart shape that represents a decision?**

- a) Oval
- b) Rectangle
- c) Diamond
- d) Parallelogram

**17. Which control structure repeats a set of instructions?**

- a) Condition

- b) Loop
- c) Algorithm
- d) Flowchart

**18. If a robot waters plants only when moisture is low, which structure is used?**

- a) Sequence
- b) Condition
- c) Infinite Loop
- d) Decomposition

**19. Which of these is an example of a finite loop?**

- a) Heartbeat
- b) Clapping 10 times
- c) Security camera
- d) Blinking LED forever

**20. What is the final step in validating an algorithm?**

- a) Writing it
- b) Testing with different inputs
- c) Drawing a flowchart
- d) Ignoring extras

**21. Which method checks if a number is even by looking at the last digit?**

- a) Remainder check
- b) Division method
- c) Last digit method
- d) Bit check method

**22. Which number system uses only 0 and 1?**

- a) Decimal
- b) Binary
- c) Octal
- d) Hexadecimal

**23. What is the decimal equivalent of binary 1010?**

- a) 8
- b) 9
- c) 10
- d) 11

**24. Which code system assigns binary numbers to letters?**

- a) RGB
- b) ASCII
- c) Unicode
- d) Pixel

**25. In Scratch, what is the name for a character or object?**

- a) Stage
- b) Sprite
- c) Costume
- d) Block

**26. Which block palette in Scratch is used to control movement?**

- a) Looks
- b) Sound
- c) Motion
- d) Events

**27. What does the block “when green flag clicked” represent?**

- a) Event
- b) Condition
- c) Loop
- d) Operator

**28. What is the center coordinate of the Scratch stage?**

- a) (0, 0)
- b) (180, 180)
- c) (-240, 180)
- d) (240, -180)

**29. Which of the following is appropriate online behavior?**

- a) Sharing personal passwords
- b) Using polite language
- c) Posting hurtful comments
- d) Talking to strangers

**30. What is cyberbullying?**

- a) Helping someone online
- b) Using technology to hurt someone repeatedly
- c) Sending friendly messages
- d) Learning online safety

**31. Which term means pretending to be someone else online?**

- a) Harassment
- b) Exclusion
- c) Impersonation
- d) Outing

**32. What does “netiquette” mean?**

- a) Network etiquette
- b) Internet speed
- c) Network security
- d) Email writing

**33. Which is a computer threat?**

- a) Strong password
- b) Antivirus software
- c) Phishing
- d) Firewall

**34. Which social media platform is mainly for sharing short videos?**

- a) Facebook
- b) TikTok
- c) LinkedIn
- d) Twitter

**35. What is the positive use of YouTube?**

- a) Watching inappropriate videos
- b) Learning from tutorials
- c) Spreading rumors
- d) Wasting time

**36. Who starts a new business with a creative idea?**

- a) Customer
- b) Entrepreneur

- c) Teacher
- d) Manager

**37. Which step in design thinking means “understanding people’s feelings”?**

- a) Identify
- b) Empathize
- c) Prototype
- d) Test

**38. What is a prototype?**

- a) Final product
- b) First model of an idea
- c) Business plan
- d) Marketing strategy

**39. How many Sustainable Development Goals (SDGs) are there?**

- a) 10
- b) 15
- c) 17
- d) 20

**40. Which SDG aims to end poverty?**

- a) SDG 1
- b) SDG 3
- c) SDG 6
- d) SDG 13

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## **SECTION B – SHORT ANSWER TYPE**

**(10 × 4 = 40 Marks)**

*Answer the following questions briefly. Each answer should not exceed 50 words.*

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1. List any four emerging technologies from Chapter 1.
  2. Explain the difference between input and output devices with one example each.
  3. If you want to create a school assignment in MS Word, which three formatting features would you use and why?
  4. What are the four important skills of computational thinking?
  5. How does an “If-Else” statement work in an algorithm? Give a simple example.
  6. Convert the decimal number 25 into binary. Show your steps.
  7. What is the purpose of the ASCII table?
  8. Why is it important to use strong passwords online?
  9. Give two examples of how social media can be used positively for education.
  10. Define “entrepreneurship” in your own words.

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## **SECTION C – DESCRIPTIVE / APPLICATION TYPE**

**(2 × 10 = 20 Marks)**

*Answer the following questions in detail. Use examples, diagrams, and clear explanations.*

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11. Your school is organizing a “Science Fair” event. Apply computational thinking to plan this event. Break down the steps using decomposition, abstraction, logical thinking, and decision making. Draw a flowchart for the process of registering participants for the fair.
  12. You want to create an interactive Scratch game where a cat collects stars while avoiding obstacles.
    - Write an algorithm using steps and conditions for the cat’s movement and scoring.

- Explain how you would use events, coordinates, and loops in your Scratch program.  
Draw a simple diagram of the stage with coordinates.

**Directorate Curriculum, Assessment and Research Sindh, Jamshoro**  
**Provincial Education Assessment Center**  
**MODEL QUESTION PAPER**

**Computer Science: Final Examination 2026**

**Class: VIII**

**Time Allowed: 3 Hours**

**Maximum Marks: 100**

- General Instructions:
  - This question paper consists of three sections: A, B, and C.
  - Attempt the questions according to the instructions given in each section.
  - Marks are indicated against each question.
- 

Section A – Objective Type (40 Marks)

Multiple Choice Questions ( $40 \times 1 = 40$ )

Choose the correct option.

**1. Which technology allows devices like refrigerators and cars to connect to the internet?**

- a) Blockchain
- b) Internet of Things (IoT)
- c) Edge Computing
- d) 5G

**2. The 5th generation of cellular network technology is called:**

- a) 4G LTE
- b) 5G
- c) 3G
- d) Wi-Fi 6

**3. Which device connects different networks and directs data packets?**

- a) Switch
- b) Hub
- c) Router
- d) Modem

**4. A security system that monitors network traffic is called a:**

- a) VPN
- b) Firewall
- c) Antivirus
- d) Encryption

**5. Processing data closer to where it is generated is known as:**

- a) Cloud Computing
- b) Edge Computing
- c) Distributed Computing
- d) Centralized Computing

Chapter 2: Digital Skills

**6. In Microsoft Excel, formulas always begin with:**

- a) +
- b) /
- c) =
- d) \*

**7. Which Excel function adds a range of cells?**

- a) AVERAGE()
- b) COUNT()
- c) SUM()
- d) MAX()

**8. A single page within an Excel workbook is called a:**

- a) Workbook
- b) Worksheet
- c) Spreadsheet
- d) Cell Sheet

**9. Which tab in Excel contains the "Sort" and "Filter" options?**

- a) Home
- b) Insert
- c) Data
- d) Formulas

**10. The intersection of a row and column in Excel is called a:**

- a) Range
- b) Cell
- c) Box
- d) Table

Chapter 3: Algorithmic Thinking and Problem Solving

**11. Breaking a complex problem into smaller parts is called:**

- a) Abstraction
- b) Decomposition
- c) Pattern Recognition
- d) Sequencing

**12. A value that does not change during program execution is called a:**

- a) Variable
- b) Constant
- c) Function
- d) Parameter

**13. Which programming construct repeats actions a specific number of times?**

- a) Forever Loop
- b) Repeat Loop
- c) If-Statement
- d) While Loop

**14. Writing algorithm steps in human-readable language is called:**

- a) Programming
- b) Pseudocode
- c) Coding
- d) Scripting

**15. A storage location that can hold changing values is called a:**

- a) Constant
- b) Variable
- c) Function
- d) Algorithm

Chapter 4: Programming

**16. In Scratch, which loop runs indefinitely?**

- a) Repeat Loop
- b) Forever Loop
- c) Repeat Until Loop
- d) Conditional Loop

**17. Which block in Scratch checks if a condition is true?**

- a) Move Block
- b) If-Then Block
- c) Say Block
- d) Wait Block

**18. Creating copies of a sprite during program execution is called:**

- a) Duplicating
- b) Cloning
- c) Copying
- d) Mirroring

**19. In Scratch, custom blocks created by the user are called:**

- a) Built-in Functions
- b) Custom Functions
- c) Predefined Blocks
- d) Default Blocks

**20. Which type of programming uses blocks instead of typing code?**

- a) Textual Programming
- b) Visual Programming
- c) Binary Programming
- d) Machine Programming

**21. Responsible and ethical online behavior is called:**

- a) Networking
- b) Digital Citizenship
- c) Cybercrime
- d) Internet Usage

**22. Stealing personal information through fake websites is called:**

- a) Hacking
- b) Phishing
- c) Piracy
- d) Spamming

**23. Which agency in Pakistan handles cybercrime complaints?**

- a) PTA
- b) FIA Cyber Crime Wing
- c) SECP
- d) PEMRA

**24. Using someone's work without giving credit is called:**

- a) Copyright
- b) Plagiarism
- c) Piracy
- d) Citation

**25. A security method requiring password and phone code is called:**

- a) Password Protection
- b) Two-Factor Authentication
- c) Encryption
- d) Firewall

Chapter 6: Entrepreneurship

**26. Starting and managing a new business is called:**

- a) Marketing
- b) Entrepreneurship
- c) Financing
- d) Management

**27. Which part of a business plan deals with product pricing?**

- a) Market Need
- b) Marketing
- c) Operations
- d) Finance

**28. Product, Price, Promotion, and Place are known as:**

- a) Business Elements

- b) 4Ps of Marketing
- c) Sales Strategy
- d) Entrepreneur Rules

**29. Making websites more visible on search engines is called:**

- a) Digital Marketing
- b) Search Engine Optimization (SEO)
- c) Social Media Marketing
- d) Online Advertising

**30. The process of calculating production costs is called:**

- a) Budgeting
- b) Costing
- c) Pricing
- d) Financing

**31. Which technology uses blocks linked in a secure chain?**

- a) IoT
- b) Blockchain
- c) Edge Computing
- d) 5G

**32. In Excel, which function finds the average of numbers?**

- a) SUM()
- b) AVERAGE()
- c) COUNT()
- d) MAX()

**33. Checking multiple conditions one after another uses:**

- a) If-Statement
- b) If-Elif-Else Statement
- c) Repeat Loop
- d) Forever Loop

**34. Illegal copying of software is called:**

- a) Hacking
- b) Software Piracy
- c) Phishing
- d) Plagiarism

**35. Selling products on Instagram is part of:**

- a) Traditional Marketing
- b) Digital Marketing
- c) Print Marketing
- d) Direct Marketing

**36. A network within a single building is called:**

- a) WAN
- b) LAN
- c) MAN
- d) Internet

**37. The "IF" function in Excel is used for:**

- a) Adding numbers
- b) Making decisions
- c) Creating charts
- d) Sorting data

**38. Focusing on important details while ignoring others is:**

- a) Decomposition
- b) Abstraction
- c) Pattern Recognition
- d) Algorithm Design

**39. Teaching machines to learn from data is called:**

- a) Artificial Intelligence
- b) Machine Learning
- c) Robotics
- d) Data Analytics

**40. A document outlining business goals and strategies is called:**

- a) Marketing Plan
  - b) Business Plan
  - c) Financial Report
  - d) Project Proposal
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**Section B – Short Answer Type (40 Marks)**

**Answer the following questions briefly. Each question carries 4 marks.**

1. List four components of a computer network and state one function of each.
  2. Explain the difference between a workbook and a worksheet in Excel.
  3. Write a simple algorithm to calculate the average of three numbers.
  4. Name three types of loops used in Scratch programming.
  5. Differentiate between phishing and cyberbullying.
  6. Suggest two safety measures for secure online transactions.
  7. What are the four steps of computational thinking?
  8. Explain the difference between online marketing and physical marketing.
  9. Describe two real-world applications of IoT in daily life.
  10. State the 4Ps of marketing with a brief explanation of each.
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**Section C – Descriptive/Application Type (20 Marks)**

**Answer the following questions in detail. Each question carries 10 marks.**

1. Design a network plan for a school computer lab with 20 computers that need to share resources and internet access. Include in your answer:
  - Type of network to be used and why
  - Required hardware components with their purposes
  - Steps to set up the network
  - Security measures to protect the network
  - One common network problem and its solution
2. Compare and contrast three emerging technologies: Artificial Intelligence (AI), Internet of Things (IoT), and Blockchain. For each technology, provide:
  - Definition and key characteristics
  - Two real-world applications
  - Advantages and disadvantages
  - How it can be used in education
  - Future potential in Pakistan