

CLASS 8 | SESSION 2026-27

Total Questions : 50 Time : 1 hr.

PATTERN & MARKING SCHEME

Section	No. of Questions	Marks per Ques.	Total Marks
(1) Logical Reasoning	15	1	15
(2) Subject Reasoning	20	1	20
(3) Everyday Application	10	1	10
(4) Achievers Section	5	3	15
Total	50	--	60

SYLLABUS

- Section 1** Verbal and Non-Verbal Reasoning.
- Section 2** Core Cyber concepts and their applications.
- Section 3** Everyday application of Cyber.
- Section 4** Higher Order Thinking Skills (HOTS) questions.

HOW TO USE THIS PAPER

- Every question is followed immediately by its answer.
- Try each question on your own first, then check the green answer card.
- Use the answer key at a glance on the last page for a quick revision.

TEST DAY INSTRUCTIONS

- The paper has 50 questions carrying a total of 60 marks.
- All questions are compulsory and there is no negative marking.
- Duration is 1 hour - aim for about 60 seconds per question.
- Read every question carefully before choosing your option.

SCORING STRATEGY

- Attempt the Logical Reasoning section first - it is the quickest to score.
- Take the 3-mark Achievers questions after finishing the 1-mark questions.
- Revisit every skipped question during the last ten minutes.

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QUESTION 1

Logical Reasoning · Logical Reasoning

1. In a certain code language, if CABLE is written as VHHZQ, then how will MOUSE be written in the same code language?
(A) RJAXZ (B) GJAZY (C) JRAZX (D) XZARJ

ANSWER & STEP-BY-STEP EXPLANATION

Correct: (C)

- Identify the underlying pattern and concepts under Series completion & logical deduction.
- Applying the principles of Cyber for Class 8, evaluate the given options systematically.
- Option (C) satisfies all required conditions and yields the correct result.

QUESTION 2

Logical Reasoning · Computers & IT

2. In a group of 6 persons, Vijay is taller than only three persons. Arun is taller than Dev and Rahul but shorter than Arjun, who is not the tallest. Ajay is taller than Dev. Who among the following is the tallest?
(A) Arun (B) Ajay (C) Vijay (D) Arjun

ANSWER & STEP-BY-STEP EXPLANATION

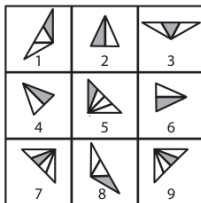
Correct: (B)

- Identify the underlying pattern and concepts under Hardware, CPU architecture & memory units.
- Applying the principles of Cyber for Class 8, evaluate the given options systematically.
- Option (B) satisfies all required conditions and yields the correct result.

QUESTION 3

Logical Reasoning · Computers & IT

3. Group the given figures into three classes on the basis of their identical properties using each figure only once.
(A) 1, 3, 8; 2, 4, 6; 5, 7, 9
(B) 1, 2, 8; 3, 4, 6; 5, 7, 9
(C) 1, 3, 8; 2, 5, 7; 4, 6, 9
(D) 1, 5, 8; 2, 4, 6; 3, 7, 9



ANSWER & STEP-BY-STEP EXPLANATION

Correct: (A)

- Identify the underlying pattern and concepts under Operating Systems & Windows management.
- Applying the principles of Cyber for Class 8, evaluate the given options systematically.
- Option (A) satisfies all required conditions and yields the correct result.

QUESTION 4

Computer Science · Computers & IT

4. Which of the following statements hold(s) true about the operating system?
Statement 1: Linux is a family of open-source operating systems, which can be modified and distributed by anyone around the world.
Statement 2: macOS is an operating system designed by Apple.
(A) Only Statement 1 (B) Only Statement 2
(C) Both Statement 1 and Statement 2 (D) Neither Statement 1 nor Statement 2

ANSWER & STEP-BY-STEP EXPLANATION

Correct: (C)

- Identify the underlying pattern and concepts under MS Office suite: Word, Excel & PowerPoint.
- Applying the principles of Cyber for Class 8, evaluate the given options systematically.
- Option (C) satisfies all required conditions and yields the correct result.

QUESTION 5

Computer Science · Computers & IT

5. Identify the following.

- It is a physical or a virtual device.
- It is used to send information that is contained in data packets between networks.
- It analyzes data within the packets to identify the best way for the information to reach the destination.

(A) Switch (B) Router (C) Hub (D) Bridge

ANSWER & STEP-BY-STEP EXPLANATION

Correct: (B)

- Identify the underlying pattern and concepts under Networking, Internet protocols & Web browsers.
- Applying the principles of Cyber for Class 8, evaluate the given options systematically.
- Option (B) satisfies all required conditions and yields the correct result.

QUESTION 6

Computer Science · Computers & IT

6. _____ is a graphical representation used to represent the logic.

(A) Pseudocode (B) Algorithm (C) Flowchart (D) Program

ANSWER & STEP-BY-STEP EXPLANATION

Correct: (C)

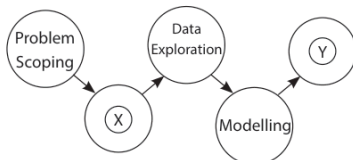
- Identify the underlying pattern and concepts under Cybersecurity, malware & data protection.
- Applying the principles of Cyber for Class 8, evaluate the given options systematically.
- Option (C) satisfies all required conditions and yields the correct result.

QUESTION 7

Computer Science · Computers & IT

7. What will come in the place of (X) and (Y) in the given diagram with respect to project cycle in AI?

- | | |
|----------------------|------------------|
| (X) | (Y) |
| (A) Data Acquisition | Evaluation |
| (B) Evaluation | Data Acquisition |
| (C) Data System | Evaluation |
| (D) Evaluation | Data System |



ANSWER & STEP-BY-STEP EXPLANATION

Correct: (A)

- Identify the underlying pattern and concepts under Programming concepts, HTML & Algorithms.
- Applying the principles of Cyber for Class 8, evaluate the given options systematically.
- Option (A) satisfies all required conditions and yields the correct result.

QUESTION 8

Computer Science · Computers & IT

8. Which of the following options does not represent a online money transfer app?



ANSWER & STEP-BY-STEP EXPLANATION

Correct: (D)

- Identify the underlying pattern and concepts under Emerging technologies & cloud computing.
- Applying the principles of Cyber for Class 8, evaluate the given options systematically.
- Option (D) satisfies all required conditions and yields the correct result.

QUESTION 9

Achievers Section · Achievers Section

9. Identify the following:

- It is the core part of operating system and it manages the operations of computer and hardware.
 - It is responsible to control the devices by using device drivers.
- (A) Operating system (B) Kernel
(C) System call (D) Process control block

ANSWER & STEP-BY-STEP EXPLANATION

Correct: (B)

- Identify the underlying pattern and concepts under HOTS: Advanced IT system troubleshooting.
- Applying the principles of Cyber for Class 8, evaluate the given options systematically.
- Option (B) satisfies all required conditions and yields the correct result.

QUESTION 10

Achievers Section · Achievers Section

10. Identify the following terms marked as X and Y with respect to transmission media.

X: It is a high frequency radio wave used for communication between devices on a network.

Y: It uses infrared light to transmit data between devices. It is commonly used for short-range communication between devices such as printers and mobile devices.

- (A) X - Microwaves, Y - Infrared waves (B) X - Infrared waves, Y - Microwaves
(C) X - Radio waves, Y - Infrared waves (D) X - Microwaves, Y - Radio waves

ANSWER & STEP-BY-STEP EXPLANATION

Correct: (A)

- Identify the underlying pattern and concepts under HOTS: Complex algorithm & code analysis.
- Applying the principles of Cyber for Class 8, evaluate the given options systematically.
- Option (A) satisfies all required conditions and yields the correct result.

ANSWER KEY AT A GLANCE

Q1 (C)	Q2 (B)	Q3 (A)	Q4 (C)	Q5 (B)	Q6 (C)	Q7 (A)	Q8 (D)	Q9 (B)	Q10 (A)
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