

CLASS 10 | 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 Fundamentals of Computer (Hardware, Software, I/O Devices, Memory and Storage Devices, Basics of IT and Number System), Operating System, MS-Word, Networking, MS-PowerPoint, MS-Excel, HTML & CSS, Cyber Safety, Database Management System (Functions, Types, MS-Access), Using Windows 11, Programming in

Section 3 AI, Robotics, IT Gadgets, Devices, Apps, Computerization and other Developments in the Field of IT

Section 4 Higher Order Thinking Questions - Syllabus as per Sections 2 and 3. Questions are based on Windows 11 and MS-Office 2016

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.

QUESTION 1

Logical Reasoning · Logical Reasoning

1. Point T is to the East of point O and North of point M, which is to the North of point N. Point K is to the South of point S. Point S is to the West of point N and South of point O. In which direction is point M with respect to point S?
- (A) North-East (B) South-West
(C) South (D) North

ANSWER & STEP-BY-STEP EXPLANATION

Correct: (A)

- Identify the underlying pattern and concepts under Series completion & logical deduction.
- Applying the principles of Cyber for Class 10, evaluate the given options systematically.
- Option (A) satisfies all required conditions and yields the correct result.

QUESTION 2

Logical Reasoning · Computers & IT

2. If it is possible to form only one meaningful English word with the second, third, fifth, sixth and eighth letters of the word YOUNGSTER, then which of the following will be the second letter of that word? If no such word can be formed, then give 'X' as your answer and if more than one such word can be formed, then give 'Y' as your answer.
- (A) N (B) G (C) X (D) Y

ANSWER & STEP-BY-STEP EXPLANATION

Correct: (C)

- Identify the underlying pattern and concepts under Hardware, CPU architecture & memory units.
- Applying the principles of Cyber for Class 10, evaluate the given options systematically.
- Option (C) satisfies all required conditions and yields the correct result.

QUESTION 3

Logical Reasoning · Computers & IT

3. Which of the following figures is exactly embedded in the given figure as one of its parts?



ANSWER & STEP-BY-STEP EXPLANATION

Correct: (B)

- Identify the underlying pattern and concepts under Operating Systems & Windows management.
- Applying the principles of Cyber for Class 10, evaluate the given options systematically.
- Option (B) satisfies all required conditions and yields the correct result.

QUESTION 4

Computer Science · Computers & IT

4. Identify the following.

- It is a form of computer that uses continuous physical phenomena such as electrical, mechanical, or hydraulic quantities to model the problem being solved.
- Differential Analyzers and Slide Rules are examples of such type of computer.

- (A) Analog computer (B) Digital computer
(C) Hybrid computer (D) Both (A) and (B)

ANSWER & STEP-BY-STEP EXPLANATION

Correct: (A)

- Identify the underlying pattern and concepts under MS Office suite: Word, Excel & PowerPoint.
- Applying the principles of Cyber for Class 10, evaluate the given options systematically.
- Option (A) satisfies all required conditions and yields the correct result.

QUESTION 5

Computer Science · Computers & IT

5. Which of the following is correct binary representation of the given octal number?

(345)

- (A) 011000101 (B) 01100010 (C) 111000101 (D) 011100101

ANSWER & STEP-BY-STEP EXPLANATION

Correct: (D)

- Identify the underlying pattern and concepts under Networking, Internet protocols & Web browsers.
- Applying the principles of Cyber for Class 10, evaluate the given options systematically.
- Option (D) satisfies all required conditions and yields the correct result.

QUESTION 6

Computer Science · Computers & IT

6. Identify the following with respect to cyber ethics.

- The programmers who break into secure systems for malicious purpose.
- They are more interested in gaining information about computer systems.

- (A) Malware (B) Hackers (C) Spyware (D) Worms

ANSWER & STEP-BY-STEP EXPLANATION

Correct: (B)

- Identify the underlying pattern and concepts under Cybersecurity, malware & data protection.
- Applying the principles of Cyber for Class 10, evaluate the given options systematically.
- Option (B) satisfies all required conditions and yields the correct result.

QUESTION 7

Computer Science · Computers & IT

7. Which of the following technologies enables the collection of a single, secure ledger that is updated only when all the linked computers have been nodes within the network to verify the transactions?

- (A) Blockchain (B) Cloud computing
(C) Data analytics (D) Virtual reality

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 10, 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 statements hold(s) true about the given icon?

Statement 1 : It is a remote access software that allows users to connect to another computer from anywhere in the world.

Statement 2 : It is a type of attack that occurs when criminals hijack web protocols to steal data.



- (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: (A)

- Identify the underlying pattern and concepts under Emerging technologies & cloud computing.
- Applying the principles of Cyber for Class 10, evaluate the given options systematically.
- Option (A) satisfies all required conditions and yields the correct result.

QUESTION 9

Achievers Section · Achievers Section

9. Select the correct characteristics of the type of networking topology shown in the given image.

- (i) Such topology can handle large amount of traffic as multiple nodes can simultaneously transmit data.
- (ii) Failure of a single device won't break the entire network.
- (iii) Provides high privacy and security.

(A) (i) and (ii) only (B) (ii) and (iii) only (C) (i) and (iii) only (D) (i), (ii) and (iii)



ANSWER & STEP-BY-STEP EXPLANATION

Correct: (D)

- Identify the underlying pattern and concepts under HOTS: Advanced IT system troubleshooting.
- Applying the principles of Cyber for Class 10, evaluate the given options systematically.
- Option (D) satisfies all required conditions and yields the correct result.

QUESTION 10

Achievers Section · Achievers Section

10. Which of the following statements are correct regarding Database Management System?

- (i) It is a collection of data.
- (ii) It provides an abstract view of data that hides the details.
- (iii) It is a computerized record-keeping system.
- (iv) It allow users to define, store, retrieve and update the information contained in the database.

(A) (i) and (ii) only (B) (ii) and (iii) only
(C) (i), (ii) and (iv) only (D) (i), (ii), (iii) and (iv)

ANSWER & STEP-BY-STEP EXPLANATION

Correct: (D)

- Identify the underlying pattern and concepts under HOTS: Complex algorithm & code analysis.
- Applying the principles of Cyber for Class 10, evaluate the given options systematically.
- Option (D) satisfies all required conditions and yields the correct result.

ANSWER KEY AT A GLANCE

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