

CBSE | DEPARTMENT OF SKILL EDUCATION

INFORMATION TECHNOLOGY (SUBJECT CODE-802)

Marking Scheme for Sample Question Paper for Class XI (Session 2025-2026)

Max.Time:3 Hours

Max.Marks:60

General Instructions:

1. Please read the instructions carefully.
2. This Question Paper consists of **24 questions** in two sections– Section A & Section B.
3. Section A has Objective type questions whereas Section B contains Subjective type questions.
4. **Out of the given (6 +18 =) 24 questions, a candidate has to answer (6 +11=) 17 questions in the allotted (maximum) time of 3 hours.**
5. All questions of a particular section must be attempted in the correct order.
6. **SECTION A-OBJECTIVE TYPE QUESTIONS(30 MARKS):**
 - i. This section has 06 questions.
 - ii. There is no negative marking.
 - iii. Do as per the instructions given.
 - iv. Marks allotted are mentioned against each question/part.
7. **SECTION B–SUBJECTIVE TYPE QUESTIONS(30 MARKS):**
 - i. This section contains 18 questions.
 - ii. A candidate has to do 11 questions.
 - iii. Do as per the instructions given.
 - iv. Marks allotted are mentioned against each question/part.

SECTION A:OBJECTIVE TYPE QUESTIONS

Q No	Question	Source Material (NCERT/PSSCIVE /CBSE Study Material)	Unit/ Chap. No.	Page no. of source material	Marks
Q.1	Answer any 4 out of the given 6 questions on Employability Skills(1x4 = 4 marks)				
i.	(c) Impatience or anxiety	NCERT	Unit1	Pg 10	1
ii.	(a) Internal	NCERT	Unit 2	Pg 93	1
iii.	(b) Numbered list	NCERT	Unit 3	Pg 126	1
iv.	(c) left	NCERT	Unit 3	Pg 110	1
v.	(c) Kartik runs a manufacturing business, and Gupta Pharmacy runs a trading business.	NCERT	Unit 4	Pg 139	1
vi.	(b) National Water Mission	NCERT	Unit 5	Pg 176	1
Q.2	Answer any 5 out of the given 7 questions(1x5 = 5 marks)				
i.	(d) It is placed between CPU and primary memory to act as a buffer.	CBSE Study Material	Unit 1	Pg 6	1
ii.	(b) Compact Disc (CD)	CBSE Study Material	Unit 1	Pg 11	1
iii.	Operating System	CBSE Study Material	Unit 1	Pg 12	1
iv.	Megahertz(MHz) (Millions of Instructions Per Second) and gigahertz (GHz)	CBSE Study Material	Unit 1	Pg 10	1
v.	(c) Available updates	CBSE Study Material	Unit 1	Pg 24	1
vi.	(b) Reclaim gaps or spaces in files stored on the hard disk	CBSE Study Material	Unit 1	Pg 28	1
vii.	(b) Clubbed together and submitted as a block for execution	CBSE Study Material	Unit 1	Pg 14	1

Q.3	Answer any 6 out of the given 7 questions(1x6 = 6 marks)				
i.	(c) Full-duplex	CBSE Study Material	Unit 2	Pg 41	1
ii.	(a) MAC address is a 12-digit hexadecimal number, unique to each NIC, and does not change.	CBSE Study Material	Unit 2	Pg 49	1
iii.	(b) Repeater	CBSE Study Material	Unit 2	Pg 42	1

iv.	(b) FTP	CBSE Study Material	Unit 2	Pg 51	1
v.	(b) Application → Transport → Internet → Link	CBSE Study Material	Unit 2	Pg 52	1
vi.	(b) It opens a backdoor for hackers to control the system.	CBSE Study Material	Unit 2	Pg 54	1
vii.	(c) Vishing	CBSE Study Material	Unit 2	Pg 55	1
Q.4	Answer any 5 out of the given 6 questions (1x5 = 5marks)				
i.	(c) Slide Sorter	CBSE Study Material	Unit 3	Pg 151	1
ii.	Macro	CBSE Study Material	Unit 3	Pg 137	1
iii.	(c) Line Chart	CBSE Study Material	Unit 3	Pg 134	1
iv.	(c) \$A3	CBSE Study Material	Unit 3	Pg 122	1
v.	(b) A formula requires both operands and operators, while a function has a predefined operation and requires only operands (arguments)	CBSE Study Material	Unit 3	Pg 119	1
vi.	False	CBSE Study Material	Unit 3	Pg 69	1

Q.5	Answer any 5 out of the given 6 questions(1x5 = 5 marks)				
i.	(b)MySQL is platform independent and works on multiple operating systems like Windows, Linux, and UNIX.	CBSE Study Material	Unit 4	Pg 166	1
ii.	(b) A database that stores data in separate tables linked through a common column.	CBSE Study Material	Unit 4	Pg 163	1
iii.	Row/Tuple	CBSE Study Material	Unit 4	Pg 164	1
iv.	(c)CREATE TABLE	CBSE Study Material	Unit 4	Pg 169	1
v.	Foreign Key	CBSE Study Material	Unit 4	Pg 166	1
vi.	(c) Fetches data based on a range of values, including the upper and lower bounds	CBSE Study Material	Unit 4	Pg 183	1

Q.6	Answer any 5 out of the given 6 questions(1x5 = 5 marks)				
i.	(b)Actions performed on controls, such as mouseClick or keyPressed	CBSE Study Material	Unit 5	Pg 200	1
ii.	Text Area	CBSE Study Material	Unit 5	Pg 203	1
iii.	(a) OOP follows a top-down approach and ignores data security.	CBSE Study Material	Unit 5	Pg 210	1
iv.	(c) $c \geq b$	CBSE Study Material	Unit 5	Pg 215	1
v.	(d)&&	CBSE Study Material	Unit 5	Pg 215	1
vi.	True	CBSE Study Material	Unit5	Pg247	1

SECTION B:SUBJECTIVE TYPE QUESTIONS

QNo	Question	Source Material (NCERT/PSS CIVE/ CBSE Study Material)	Unit/ Chap. No.	Page no. of source material	Marks
Answer any 3 out of the given 5 questions on Employability Skills (2x3= 6 marks) Answer each question in 20 – 30 words.					
Q.7	Two factors that affect perspectives in communication are: 1. Cultural Background * People from different cultures may interpret the same message differently. * Example: A gesture considered polite in one country may be rude in another. 2. Personal Experience * Previous experiences shape how a person perceives and responds to messages. * Example: Someone who has faced repeated criticism may interpret feedback as negative even if it is constructive. These factors influence how messages are sent, received, and understood	NCERT	Unit 1	Pg 3	2
Q.8	Time management is the process of planning and using time effectively to complete tasks efficiently. Suresh can manage his time by creating a timetable, prioritizing important tasks like homework and exam preparation, limiting social media and gaming during study hours, and taking short breaks to stay focused and productive.	NCERT	Unit 2	Pg 101	2
Q.9	Good grooming is important because it creates a positive impression, boosts self-confidence, promotes hygiene, and reflects professionalism and respect for oneself and others.	NCERT	Unit 2	Pg 77	2
Q.10	Preparing a business plan is important for an entrepreneur like Rani because it provides a clear roadmap for the business. It helps her define her goals, identify target customers, estimate costs and revenues, plan marketing strategies, and anticipate challenges. A well-prepared plan also attracts investors and lenders by showing that the business is viable and well thought out. It ensures effective resource management and increases the chances of business success.	NCERT	Unit 4	Pg 166	2

Q.11	An entrepreneur may face several key problems while running a business, including: 1. Financial challenges – Lack of funds or managing cash flow. 2. Competition – Facing rivals offering similar products or services. 3. Marketing issues – Reaching the target audience effectively. 4. Operational problems – Managing resources, staff, and production efficiently.	NCERT	Unit 4	Pg 150	2
Answer any 3 out of the given 5 questions (2x3= 6 marks)					
Q.12	Utilities are the special programs that help computer systems to work more smoothly, efficiently and effectively. Utility software programs help in : - improving the performance of computer - provide security from virus - manage disk space - free disk space on hard Disk - provide backup etc.	CBSE Study Material	Unit 1	Pg 25	2
Q.13	A firewall protects internal networks or personal computers from malicious external traffic. Hardware firewalls, often in routers, block threats before they enter the network, while software firewalls on PCs prevent unauthorized access and malware. Firewalls inspect traffic, allow safe data, and may encrypt incoming data for added security.	CBSE Study Material	Unit 2	Pg 56	2
Q.14	(a) Find and Replace feature (b) It is available under the Edit menu in OpenOffice Writer	CBSE Study Material	Unit 3	Pg 69	2
Q.15	(a) No, none of the columns in a primary key can contain NULL values. All values must be present to uniquely identify each record. (b) No, columns that are part of a primary key cannot contain duplicate values in combination. The combination of values in all primary key columns must be unique for every record.	CBSE Study Material	Unit 4	Pg 165	2
Q.16	In Java: = is the assignment operator, used to assign a value to a variable. Example: int num = 10; == is the relational operator, used to compare two values. Example: if(a == b)	CBSE Study Material	Unit 5	Page 214	2

Answer any 2 out of the given 3 questions(3x2 = 6marks)					
Q.17	1. Quick calculations – Spreadsheets allow fast and accurate calculations on numerical data. 2. Data representation – They can represent data visually using charts and graphs. 3. Data management – They help store, arrange, sort, analyze, and print data efficiently	CBSE Study Material	Unit 3	Pg 85	3
Q.18	DML commands are used to retrieve, insert, update, or delete data in a database table. These commands allow users to manipulate the data stored in relations (tables). 1. INSERT: It Adds new records (rows) to a table. INSERT INTO Students (ID, Name, Age) VALUES (1, 'Rohit', 15); This command inserts a new student record with ID 1, Name 'Rohit', and Age 15. 2. SELECT: Retrieves data from one or more tables. SELECT Name, Age FROM Students; This command displays the Name and Age of all students in the Students table.	CBSE Study Material	Unit 4	Pg 176	1+1+1
Q.19	1. 5houses – Invalid (variable name cannot start with a digit) 2. float– Invalid (reserved keyword in Java) item.name The dot (.) is not allowed in variable names as it denotes member access in Java 3. student:game – Invalid (colon : not allowed)	CBSE Study Material	Unit 5	Pg 247	1+1+1
Answer any 3 out of the given 5 questions (4x3 = 12 marks)					
Q.20	a) Slide Transition – This feature controls how slides change during the presentation. (b) Custom Animation – This feature controls how elements (text, images, etc.) within a slide appear. (c) Slide Show menu/tab – Both Slide Transition and Custom Animation options are available here. (d) Yes – You can apply the same transition to all slides at once by selecting the option “Apply to All Slides” in the Slide Transition dialog box.	CBSE Study Material	Unit 3	Pg 157	1+1+1+1
Q.21	Topology in a computer network refers to the way in which computers, cables, and other devices are arranged or connected with each other in a network. It defines the structure or layout of the network. Three types of topology are: 1. Bus Topology – All devices are connected to a single central cable (the bus). Data travels in both directions, but only one device can transmit at a time. 2. Star Topology – All devices are connected to a central hub or switch. If one cable fails, others remain unaffected. 3. Ring Topology – Each device is connected to two others, forming a circular pathway for data. Data travels in one direction around the ring.	CBSE Study Material	Unit 2	Pg 46	1+1+1+1

Q.22	(a) DELETE FROM BOOKSTORE WHERE BookId = '005'; (b) UPDATE BOOKSTORE SET Price = 500 WHERE BookTitle = 'Malgudi Days' AND Price = 250; (c) SELECT BookTitle FROM BOOKSTORE ORDER BY Price DESC; (d) DESCRIBE BOOKSTORE;	CBSE Study Material	Unit 4	Pg 176	1+1+1+1
Q.23	Correct Code : <pre> if (num % 2 == 0) { jTextField2.setText("Even Number"); } else { jTextField2.setText("Odd Number"); } </pre> Errors in the original code: • If should be lowercase if. • Use == for comparison, not = (which is assignment). • Semicolon after if condition should be removed. • Quotes should be straight double quotes " not curly. • Missing semicolons ; at the end of statements.	CBSE Study Material	Unit 5	Pg 246	1+1+1+1
Q.24	(a) • Property: text • Method: getText() or setText() (b) • ActionEvent (c) • Events allow the program to respond to user actions like clicks, key presses, etc., making the application interactive.	CBSE Study Material	Unit 5	Pg 200	2+1+1