CBSE | DEPARTMENT OF SKILL EDUCATION

Information Technology (SUBJECT CODE-802)

Blue-print for Sample Question Paper for ClassXI (Session2026-2027)

Max. Time: 3 Hours **Max. Marks: 60**

PART A- EMPLOYABILITY SKILLS (10 MARKS):

UNIT NO.	NAME OF THE UNIT	OBJECTIVE TYPE QUESTIONS	SHORT ANSWER TYPE QUESTIONS	TOTAL QUESTIONS
		1 MARK EACH	2 MARKS EACH	
1	Unit1:Communication Skills-III	1	1	2
2	Unit 2:Self-ManagementSkills-III	1	2	3
3	Unit 3:ICTSkills-III	2	-	2
4	Unit 4:Entrepreneurial Skills-III	1	2	3
5	Unit 5:Green Skills-III	1	-	1
TOTAL QUESTIONS		**6**	**5**	**11**
NO. OF QUESTIONS TO BE ANSWERED		**ANY 4**	**ANY 3**	**07**
TOTAL MARKS		**1X4=4**	**2X3=6**	**10 MARKS**

PART B-SUBJECT SPECIFIC SKILLS (50 MARKS):

UNIT NO.	NAME OF THE UNIT	OBJECTIVE TYPE QUESTIONS	SHORT ANS. TYPE QUES.- I	SHORT ANS.TYPE QUES.- II	DESCRIPTIVE/ LONG ANS.TYPE QUESTIONS	TOTAL QUESTIONS
		1MARK EACH	2 MARKS EACH	3 MARKS EACH	4 MARKS EACH	
1	Unit-1:Computer Organization	7	1	0	0	8
2	Unit-2: Networking and Internet	7	1	0	1	9
3	Unit-3:Office Automation Tools	6	1	1	1	9
4	Unit-4:RDBMS	6	1	1	1	9
5	Unit-5:Fundamentals of Java	6	1	1	2	10
TOTAL QUESTIONS		32	5	3	5	45
NO. OF QUESTIONS TO BE ANSWERED		**26**	**Any 3**	**Any 2**	**Any 3**	**34**
TOTAL MARKS		**1x26=26**	**2x3=6**	**3x2=6**	**4x3=12**	**50 MARKS**

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INFORMATION TECHNOLOGY (SUBJECT CODE-802)

Sample Question Paper for Class XI (Session2026-2027)

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 =) 24questions, 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 1.	**Answer any 4 out of the given 6 questions on Employability Skills (1x4 = 4 marks)**	
i	In a group discussion, Ravi keeps crossing and uncrossing his arms and tapping his foot repeatedly. What is Ravi's body language showing? (a) Calmness (b) Confidence (c) Impatience or anxiety (d) Interest	1
ii	Sonia volunteers to teach younger children in her colony because she enjoys helping others and feels satisfied doing it. What type of motivation is this? (a) Internal (b) External (c) Both internal and external (d) No motivation	1
iii	Radha is preparing a recipe in her document where steps must be shown in sequence. Which type of list should she use? (a) Bulleted list (b) Numbered list (c) Symbol list (d) Unordered text	1
iv	On the _____ side of the status bar, you can see page number and word count in LibreOffice. (a) Right (b) Centre (c) Left (d) Middle	1
v	Kartik owns a factory that produces packaged drinking water, while Gupta Pharmacy sells medicines made by pharmaceutical companies. Which of the following is correct? (a) Kartik runs a trading business, and Gupta Pharmacy runs a service business. (b) Kartik runs a service business, and Gupta Pharmacy runs a manufacturing business. (c) Kartik runs a manufacturing business, and Gupta Pharmacy runs a trading business. (d) Both Kartik and Gupta Pharmacy run service businesses.	1
vi	Which of the following is one of the eight missions under the National Action Plan on Climate Change (NAPCC)? (a) Swachh Bharat Abhiyan (b) National Water Mission (c) National Green Tribunal (d) Mahua Economy Project	1

Q 2.	**Answer any 5 out of the given 7 questions (1 x 5 = 5 marks)**	
i	Which of the following statements is true about Cache Memory? (a) It is a slow memory used for backup storage. (b) It increases the average access time to data from the main memory. (c) It is cheaper than primary memory. (d) It is placed between CPU and primary memory to act as a buffer.	**1**
ii	Which of the following is an example of an optical storage device? (a) Hard Disk (b) Compact Disc (CD) (c) Pen Drive (d) Floppy Disk	**1**
iii	An _____is the software that acts as an interface between the user and the computer hardware.	**1**
iv	The unit used to measure the performance of a computer is_____	**1**
v	If an application is running slow, what should you check after restarting it? (a) Hard disk errors (b) Computer memory (c) Available updates (d) Internet connection	**1**
vi	The process of running a Disk Defragmentation program helps to: (a) Delete unwanted files permanently (b) Reclaim gaps or spaces in files stored on the hard disk (c) Increase the size of the hard disk (d) Protect files from viruses	**1**
vii	In a batch processing system, jobs are: (a) Executed immediately as they arrive **(b)** Clubbed together and submitted as a block for execution (c) Processed with continuous user interaction (d) Executed only in real-time	**1**
Q 3.	**Answer any 6 out of the given 7 questions (1x 6 = 6 marks)**	
i	Which communication mode allows both parties to transmit data simultaneously? (a) Simplex (b) Half-duplex (c) Full-duplex (d) Multiplex	**1**

ii	Which of the following statements about MAC (Media Access Control) addresses is correct? (a) MAC address is a 12-digit hexadecimal number, unique to each NIC, and does not change. (b) MAC address is a 32-bit binary number that changes whenever the system restarts. (c)The first half of a MAC address represents the serial number, while the second half represents the manufacturer ID. (d) MAC address is assigned by the Internet Service Provider (ISP) and is temporary in nature	**1**
iii	A school sets up a computer lab with two long cable segments connecting different rooms. After installation, students notice that data transmission slows down and signals get weak and distorted when reaching computers in the farthest room. To solve this issue, the network administrator installs a device between the two cable segments that restores the signal to its original strength and shape. Which networking device has the administrator most likely installed? (a) Switch (b)Repeater (c) Router (d) Hub	**1**
iv	Which protocol is commonly used for transferring files between a local host and a remote host in a TCP-based network? (a) SMTP (b) FTP (c) HTTP (d) SNMP	**1**
v	Which of the following shows the correct sequence of layers in the TCP/IP protocol suite (from top to bottom)? (a) Transport → Application → Internet → Link (b) Application → Transport → Internet → Link (c) Application → Internet → Transport → Link (d) Link → Internet → Transport → Application	**1**
vi	What is the primary danger of a Trojan Horse? (a) It slows down the Internet speed. (b) It opens a backdoor for hackers to control the system. (c) It automatically deletes temporary files. (d) It prevents downloading of applications.	**1**
vii	Rohit receives a phone call from someone claiming to be a bank officer. The caller asks him to share his Customer ID, ATM PIN, and OTP, saying it is required to "verify his account." Rohit feels suspicious as the caller insists repeatedly. Which type of Cyber Crime is Rohit being targeted with? (a) Phishing (b) Online Job Fraud (c) Vishing (d) Cyber Stalking	**1**

Q 4.	Answer any 5 out of the given 6 questions (1x 5=5 marks)	
i	Which of the following View tab options in OpenOffice Impress allows the presenter to see all slides together in miniature form and easily move them? (a) Normal (b) Outline (c) Slide Sorter (d) Slide Show	1
ii	A _____records a series of commands and actions (mouse clicks and keystrokes) to be played back later.	1

Iii	Which type of chart is best used to compare trends and changes in values over time? (a) Pie Chart (b) Column Chart (c) Line Chart (d) Bar Chart	1
iv	Which of the following is an example of mixed addressing in a spreadsheet? (a) A1 (b) A1 (c) $A3 (d) SUM(A1:A5)	1
v	What is the main difference between a formula and a function in Calc? (a) A formula requires only operands, while a function requires both operands and operators (b) A formula requires both operands and operators, while a function has a predefined operation and requires only operands (arguments) (c) A formula always begins with a + sign, while a function begins with an = sign (d) Functions cannot perform calculations, but formulas can.	1
vi	State True or False: Copy text removes the selected text from its original location and places it at a new location.	1
Q 5.	Answer any 5 out of the given 6 questions (1x 5=5 marks)	
i	Which of the following statements about MySQL is correct? (a) MySQL is a paid software that requires a license for usage. (b)MySQL is platform independent and works on multiple operating systems like Windows, Linux, and UNIX. (c) MySQL does not follow ANSI-SQL standards. (d) MySQL cannot handle large data sets.	1
ii	What is Relational Database? (a) A database that stores data only in a single table. (b) A database that stores data in separate tables linked through a common column. (c) A database that cannot perform queries or sorting. (d) A database without any structure or relationships.	1

iii	The horizontal subset of the Table is known as a_____.	**1**
iv	Which of the following SQL commands belongs to Data Definition Language (DDL)? (a) SELECT (b) INSERT INTO (c)CREATE TABLE (d) UPDATE	**1**
v	A primary key of a base table when used in some other table is called as_____	**1**
vi	What does the BETWEEN operator in SQL do? (a) Fetches data that matches only the upper bound of the range (b) Fetches data that matches only the lower bound of the range (c) Fetches data based on a range of values, including the upper and lower bounds (d) Fetches data excluding both upper and lower bounds.	**1**
Q 6.	**Answer any 5 out of the given 6 questions (1x 5=5 marks)**	
i	In GUI applications, what are events? (a) Predefined data types used in programming (b)Actions performed on controls, such as mouseClick or keyPressed (c) Reserved keywords in SQL (d) Functions used to create databases.	**1**
ii	The _____component allows us to accept multiline input from the user or display multiple lines of information.	**1**
iii	Which one of the following statements is false about Object Oriented Programming (OOP)? (a) OOP follows a top-down approach and ignores data security. (b) OOP wraps data and methods into a single unit called encapsulation. (c) OOP supports polymorphism and inheritance. (d) OOP is based on objects that combine data and functions.	**1**
iv	Given the following information: int a = 11; int b = 22; int c = 33; int d = 11; Which of the following statements is true : (a) a = = b (b) b <= d (c) c >= b (d) c <= a	**1**
v	Which of the following is not an arithmetic operator in Java? (a) + (b) - (c) * (d)&&	**1**
vi	State True or False : Variable names in Java are case sensitive.	**1**

SECTION B: SUBJECTIVE TYPE QUESTIONS

Answer any 3 out of the given 5 questions on Employability Skills(2x3=6marks)

Answer each question in 20 – 30 words.

Q7.	Explain any two factors that affect perspectives in communication with suitable examples.	**2**
Q8.	Suresh is a Class XI student who often struggles to complete his homework on time. He spends a lot of time on social media and gaming, which leaves him with little time to study. As exams are approaching, his teacher advises him to make a timetable and set priorities for his tasks. What is time management, and how can Suresh manage his time effectively in this situation?	**2**
Q9.	Why is good grooming important?	**2**
Q10.	Rani wants to start a small bakery business in his town. Her teacher advised her to prepare a proper business plan before starting. Explain in detail why preparing a business plan is important for an entrepreneur.	**2**
Q11.	What are the key problems an entrepreneur may face while running a business?	**2**

Answer any 3 out of the given 5 questions in 20–30 words each(2x3=6 marks)

Q12.	What is the role of utility software in a computer system?	**2**
Q13.	Why we should install Firewalls at workplace?	**2**
Q14.	Saumya is preparing her school project in OpenOffice Writer. While reviewing her 20-page document, she notices that she has repeatedly typed "Enviroment" instead of "Environment." Manually checking and correcting every mistake seems time-consuming. She remembers that Writer has a feature that allows her to quickly locate words and replace them all at once. (a) Which feature in OpenOffice Writer will help Riya correct all instances of the word at once? (b) In which Tab/Menu of OpenOffice Writer can this feature be found?	**2**
Q15.	There is a table T1 with a combination of columns A1, A2, and A3 as its primary key. Answer the following: (a) Can any of these columns contain NULL values? (b) Can any of these columns contain duplicate values?	**2**
Q16.	What is difference between = and == in Java Programming?	**2**

Answer any 2 out of the given 3 questions in 30–50 words each(3x2=6marks)

Q17.	List any three advantages of using Spreadsheet Software.	**3**
Q18.	Explain the purpose of DML commands and describe the functionality of each of the following commands with suitable examples: INSERT SELECT	**3**
Q19.	In Java, which of the following is an invalid variable name and why? 5houses, float item.name, student_name, eMPLOYEE, student:game	**3**

Answer any 3 out of the given 5 questions in 50–80 words each (4x3 = 12marks)

Q20.	A teacher is preparing a presentation in Open Office Impress for her classroom. She wants the slides to appear with a special effect (like wheel or diamond) whenever moving from one slide to the next. She also wants to make the text and images on each slide appear one after another with different effects. (a) Which feature should she use to control how slides change during the presentation? (b) Which feature should she use to control how elements within a slide appear? (c) In which menu/tab can she find these options? (d) Can we apply same transition to all slides in one go?	**4**
Q21.	What is meant by Topology in a Computer Network? Describe any three types.	**4**
Q22.	We have a table named 'BOOKSTORE' with following data: **BookID** | **BookTitle** | **Author** | **Price (Rs.)** B001 | Harry Potter and the Sorcerer's Stone | J.K. Rowling | 450 B002 | The Monk Who Sold His Ferrari | Robin Sharma | 600 B003 | Malgudi Days | R.K. Narayan | 250 B004 | India After Gandhi | Ramachandra Guha | 800 B005 | Midnight's Children | Salman Rushdie | 650 Write SQL commands for following Tasks: (a) Delete row with BookId 'B005' (b) Change Price of Book – Malgudi Days from Rs.250 to Rs.500 (c) Display only the BookTitles field in descending order according to price (d) To view the structure of Table : BOOKSTORE	**4**

Q23.	Neha wrote the following Java code to check if a number is even or odd, but it contains errors. Identify the errors and rewrite the correct code:
	
	If(num % 2 = 0);
	{
	jTextField2.setText(“Even Number”)
	}
	else
	{
	jTextField2.setText(“Odd Number”)
	}
		4

Q24.	Suppose you are designing a GUI-based calculator in Java. You are using components like JButton, JTextField, and JLabel. **(a)** Give one property and one method of JTextField. **(b)** Which event will be generated when a JButton is clicked? **(c)** Why are events important in GUI applications?	**4**