CBSE | DEPARTMENT OF SKILL EDUCATION

Information Technology (SUBJECT CODE - 402)

Blue-print for Sample Question Paper for Class X (Session 2023-2024)

Max. Time: 2 Hours Max. Marks: 50

PART A - EMPLOYABILITY SKILLS (10 MARKS):

UNIT NO.	NAME OF THE UNIT	OBJECTIVE TYPE QUESTIONS	SHORT ANSWER TYPE QUESTIONS	TOTAL
		1 MARK EACH	2 MARKS EACH	QUESTIONS
1	Communication Skills - II	1	1	2
2	Self-Management Skills - II	2	1	3
3	ICT Skills - II	1	1	2
4	Entrepreneurial Skills - II	1	1	2
5	Green Skills - II	1	1	2
TOTAL QUESTIONS		6	5	11
NO. OF QUESTIONS TO BE ANSWERED		Any 4	Any 3	07
	TOTAL MARKS	1 x 4 = 4	2 x 3 = 6	10 MARKS

PART B - SUBJECT SPECIFIC SKILLS (40 MARKS):

UNIT NO.	NAME OF THE UNIT	OBJECTIVE TYPE QUESTIONS 1 MARK EACH	SHORT ANSWER TYPE QUESTIONS 2 MARKS EACH	DESCRIPTIVE/ LONG ANS. TYPE QUESTIONS 4 MARKS EACH	TOTAL QUESTIONS
1	Digital Documentation (Advance)	6	1	1	8
2	Electronic Spreadsheet (Advance)	6	2	1	9
3	Database Management System	6	1	2	9
4	Web Applications and Security	6	2	1	9
	TOTAL QUESTIONS	24	6	5	35
	NO. OF QUESTIONS TO BE ANSWERED	20	Any 4	Any 3	27
	TOTAL MARKS	1 x 20 = 20	2 x 4 = 8	4 x 3 = 12	40 MARKS

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Max. Time: 2 Hours Max. Marks: 50

General Instructions:

- 1. Please read the instructions carefully.
- 2. This Question Paper consists of 21 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 (5 + 16 =) 21 questions, a candidate has to answer (5 + 10 =) 15 questions in the allotted (maximum) time of 2 hours.
- **5.** All questions of a particular section must be attempted in the correct order.
- 6. SECTION A OBJECTIVE TYPE QUESTIONS (24 MARKS):
 - i. This section has 05 questions.
 - ii. Marks allotted are mentioned against each question/part.
 - iii. There is no negative marking.
 - iv. Do as per the instructions given.

7. SECTION B – SUBJECTIVE TYPE QUESTIONS (26 MARKS):

- i. This section has 16 questions.
- ii. A candidate has to do 10 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 (1 \times 4 = 4 marks)					
i.	When it is difficult to communicate with someone who is not willing to talk or	1				
	express their feelings and views it means there is a/an					
	a. Culture Barrier b. Interpersonal Barrier c. Physical Barrier d. Language Barrier					
ii.	Kartik's Computer was running very slow, hangs and often restarts. He is very confused and tensed as he was working on a very important assignment. Kartik's					
	friend gave him the following suggestions. Identify who has given him a genuine suggestion.					
	a. Radha : Restart your machine					
	b. Ishan: Install reliable antivirus software and update					
	c. Amar : Don't use Pendrive					
•••	d. Sam : Install free antivirus from net					
iii.	refers to focusing human efforts for maintaining a healthy body and mind	1				
	capable of better withstanding stressful situations.					
	a. Self-Motivation b. Stress Management c. Self-Awareness d. Self-Regulation					
iv.	High expectations from self can leave with chronic anxiety and stress, thus leading	1				
	tostress.					
	a. Physical b. Emotional c. Mental d. Financial					
v.	Which of the following is/are a myth about Entrepreneurship?	1				
	a. Need a lot of Money b. Must have a great Idea c. Should know everything about business d. All of these					
vi.	Name the organization that has the Sustainable Development Goals?	1				
VII.	traine the station that has the sastandale bevelopment doubt.	-				
	a. UNICEF b. League of Nations					
	c. United Nations d. World Health Organization					

Q. 2	Answer any 5 out of the given 6 questions (1 x 5 = 5 marks)				
i.	Which one is not the tab of the insert/index Table window of Writer Document?				
	a. Entries b. Background c. Style d. Row				
ii.	In the custom styles, each field on the Structure line represents a blank space in a document.				
	a. Black b. White c. Blue d. Yellow				
iii.	Saurabh has made an advertisement in Digital Document. He is facing difficulty in positioning the images within the text. Suggest him how he can adjust the image? a. Wrap text b. Crop c. Alignment d. Layout				

iv.	A is a collection of records that store data in Mail merge.				
	a. Data Source b. Main Document c. Document d. Merge Field				
v.	To increases the contrast of an image, option is used in a document.	1			
	a. Smooth b. Sharpen c. Aging d. mosaic				
vi.	provide Internet access by transmitting digital data over wires of a local	1			
	telephone network.				
	a) ISP b) DSL c) Dial-up connection d) Modem				

Q. 3	Answer any 5 out of the given 6 questions (1 x 5 = 5 marks)				
i.	is specifically designed to minimize the results according to a set rules	1			
	that we define in a spreadsheet.				
	a. Goal Seek b. Scenario c. solver d. Subtotal				
ii.	Sahil and his partners have created a list of their company employees in one of the	1			
	spreadsheets in the office. Now the rest of the task they want to complete from				
	home. Which option they should use to access the same Spreadsheet from home?				
	a. Consolidate Worksheet b. Link Worksheet				
	c. Merge Worksheet d. Lock Worksheet				
iii.	can help to clarify the relation between cells while using "Multiple	1			
	Operations".				
	a. Detective b. Solver c. Navigation d. Hyperlink				
iv.	Identify the part of a Spreadsheet using which a user can manage multiple sheets.	1			
	a. Status Bar b. Sheet Tab c. Formula Bar d. Worksheet Area				
v.	Spreadsheet software can find the changes by sheets.	1			
	a. Changing b. Comparing c. Renaming d. Editing				
vi.	At the bottom of each worksheet, left tab indicates the of the	1			
	worksheet in a workbook.				
	a. Size b. 3 Type c. Name d. Color				

Q. 4	Answer any	Answer any 5 out of the given 6 questions (1 x 5 = 5 marks)				
i.	It enables users to view, enter, and change data directly in database objects.					1
	a. Report	b. Query	c. Form	d. Da	tabase	
ii.	There are	types of	Relationship	s in a table	of a database.	1
	a. One	b. 3	c. 4	d. Many		
iii.	A Relational	database uses		commar	nds which is a standard user	1
	application t	hat provides an	easy progra	amming inte	rface for database interaction.	
	a. Access	b. Pytho	n c. S	SQL	d. Protocol	

iv.	Suraj wants to create a database for his clients. For this purpose, she needs to store the Email IDs of his clients. Which datatype should he use to accomplish this purpose?					
	a. Numeric	b. Varchar	c. Binary	d. Boolean		
V.	Geet has written a SQL query in SQL view. But he doesn't know how to execute the query using keyboard keys. Suggest him the shortcut key to complete the task.					
	a. Enter	b. Ctrl + E	c. Space bar	d. F5		
vi.	A table can have only primary key in a database.					
	a. 1	b. 2 c	c. 3 d. M	any		

Q. 5	Answer any	5 out of the g	iven 6 ques	tions (1 x 5 = 5 marks	s)		
i.		•	•	ature that assists pe	ople having difficulty in	1	
	using keyboa	ard and mouse	2.				
	a. Guide	b. Sticky	c. Serial	d. Home			
ii.	Anaisha is a	wildlife photo	grapher. Sh	e wants to create her	website where she can	1	
		update the pictures and discuss about different events, reviews, announcements,					
	news etc. Su	ggest her a su	itable optio	n to complete the tas	sk.		
	a. Blog	b. E-M	ail	c. Instant Messagir	ng d. Mail Merge		
iii.		following is r			.6	1	
	a. Safari	b. Internet	Explorer	c. Google d. F	irefox		
iv.	Which out of	f the following	is the best	example of a strong	password?	1	
	a. 94123567	'89 b. 14H	d{]\$_Sb10	c. HarryPotterSerie	es d. 14Oct2004		
v.		•	•	computers in a build	•	1	
		•	together. W	hich type of Networ	k will be the best		
	suitable for t	his purpose?					
	a. LAN	b. WAN	c. PAN	d. MAN			
vi.	IP stands for					1	
	a. Internatio	nal Protocol		b. Internet	Protocol		
	c. Intranet Pi	rotocol		d. Interper	sonal Protocol		

SECTION B: SUBJECTIVE TYPE QUESTIONS

Answer any 3 out of the given 5 questions on Employability Skills (2 x 3 = 6 marks) Answer each question in 20 - 30 words.

Q. 6	What are the learning objectives of communication? –	2
Q. 7	Why do we say that an entrepreneur should be open-minded?	2
Q. 8	How is self-regulation connected to the ability to work independently?	2

Q. 9	How we can prevent computer against attack by viruses.	2
Q. 10	"Green economy promotes sustainable development". Justify the statement.	2

Answer any 4 out of the given 6 questions in 20 - 30 words each $(2 \times 4 = 8 \text{ marks})$

Q. 11	What do you understand by Anchoring in Word Processor?	2
Q. 12	What do you mean by Sorting in a Spreadsheet?	2
Q. 13	State any four etiquettes to be followed while chatting on the internet.	2
Q. 14	How is Goal Seek different from Solver in a Spreadsheet?	2
Q. 15	Differentiate between a Primary key and Foreign key.	2
Q. 16	What is the importance of healthy lifestyle? Give any four points related to it.	2

Answer any 3 out of the given 5 questions in 50-80 words each $(4 \times 3 = 12 \text{ marks})$

Q. 17	What do you understand by the term Table of Contents? List the characteristics of a			
	good 'Table of content' in a word processor.			
Q. 18	Explain the term 'Scenarios' in relation to the Spreadsheets with example.			
Q. 19	Explain different kinds of online threats.	4		
Q. 20	Explain the term "Referential Integrity". Why is it important in a database?			
Q. 21	Consider the following Vendor table and write the queries for the following:			

Table Datesheet

Sub_code	Sub_Name	DateofExam	Days		
E001	English	11-03-2021	Monday		
H002	Hindi	15-03-2021	Friday		
S003	Social Sci.	18-03-2021	Monday		
S004	Science	21-03-2021	Thursday		

- i. Write a SQL command to display the records in ascending order by date of exam.
- ii. Write a query to display the above date sheet.
- iii. Write a query to display the subject name and date of the exam held on 'Monday'
- iv. Write a SQL command to display the date of exam and Sub_Name of Science subject.

For visually impaired candidates.

Write a short note on the following:

- i) DBMS
- ii) Database Server
- iii)Data Integrity
- iv)Record