

CBSE | DEPARTMENT OF SKILL EDUCATION

INFORMATION TECHNOLOGY (SUBJECT CODE 402)

Blueprint for Sample Question Paper for Class X (Session 2020-2021)

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 QUESTIONS
		1 MARK EACH	2 MARKS EACH	
1	Communication Skills-II	1	1	2
2	Self-Management Skills-II	2	1	3
3	Information and Communication Technology 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	7
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	SHORT ANSWER TYPE QUESTIONS	DESCRIPTIVE/ LONG ANSWER TYPE QUESTIONS	TOTAL QUESTIONS
		1 MARK EACH	2 MARKS EACH	4 MARKS EACH	
1	Digital Documentation (Advanced)	6	1	1	8
2	Electronic Spreadsheet (Advanced)	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		Any 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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Sample Question Paper for Class X (Session 2020-2021)

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 (05 + 16 =) 21 questions, you have to answer (5 + 10 =) 15 questions in the allotted (maximum) time of 2 hours.**
5. All questions of a particular part/section must be attempted in the correct order.
6. **SECTION A - OBJECTIVE TYPE QUESTIONS (30 QUESTIONS; 24 MARKS):**
 - i. Each question carries 1 mark.
 - ii. There is no negative marking.
7. **SECTION B – SUBJECTIVE TYPE QUESTIONS (16 QUESTIONS; 26 MARKS):**
 - i. This section has 16 questions in three parts viz. Part A, Part B & Part C.
 - ii. A candidate has to do 10 questions (3 questions from Part A, 4 questions from Part B and 3 questions from Part C).
 - iii. **Part A** has 05 questions on Employability Skills. Do any 03 questions. Answer these questions in 20 – 30 words each. Each question carries 2 marks. **(2 x 3 = 6 Marks)**
 - iv. **Part B** has 06 subject specific questions. Do any 04 questions. Answer these questions in 20 – 30 words each. Each question carries 2 marks. **(2 x 4 = 8 Marks)**
 - v. **Part C** has 05 subject specific questions. Do any 03 questions. Answer these questions in 50-80 words each. Each question carries 4 marks. **(4 x 3 = 12 Marks)**

SECTION A: OBJECTIVE TYPE QUESTIONS

Q. 1	Answer any 4 of the given 6 questions (1 x 4 = 4 marks)	
i.	Karan lives at a hostel in Shimla. He calls his mother who lives in Delhi, to get her approval for robotics class which is going to start in his school next week onwards. However due to disruption in the phone line, his mother could not understand and reply to him. He got very upset. Which other medium can he use to get immediate approval of his mother? a) E-mail b) Letter c) Message through Friend d) Fax	1
ii.	Trisha is always tensed during exam time. She is a sincere and studious student, but the thought of exams creates anxiety in her. Which stress management technique that you would suggest to help her? a) Yoga b) Exercise c) Vacation with Family d) All of these	1
iii.	_____ Ability of a person to do the things that need to be done without someone or something influencing us. a) Self-Motivation c) Self Discipline b) Self Awareness d) Self-Regulation	1
iv.	According to the concept of sustainable development, the environment and development are _____ issues. a) Inseparable b) Separate c) Independent d) None of these	1
v	The cleaning of software installed in the computer cannot be achieved by _____. a) Disk cleanup b) backup c) Cleaning CPU cabinet d) Installing antivirus software	1
vi	Entrepreneurship has a crucial role in the _____ of the society. a) Evolution b) Planning c) Functioning d) None of these	1

Q. 2	Answer any 5 of the given 6 questions (1 x 5 = 5 marks)	
i	_____ is not an instant messaging service. a) Skype b) Yahoo! Messenger c) Firefox d) Whatsapp	1
ii	_____ is the process of emptying a place in case of an emergency, disaster. a) Accident b) Evacuation c) Hazards d) Exiting	1
iii	Richard needs to set up a network for his office where he wants to save all the data in a centralized system and other computers will take the services from the centralized system. Which architecture will be the best suitable for him? a) Peer to Peer b) Client-Server c) Point to Point d) Ring	1
iv	Á _____ is a device that converts digital computer signals into a form (analog signals) that can travel over phone lines and vice versa. a) Repeater b) Switch c) Router d) Modem	1

v	_____ is specifically designed to minimize or maximize the result according to a set of rules that you define in a spreadsheet. a) Goal Seek b) Scenario c) Solver d) Subtotal	1
vi	Mr. Venkat wants to insert his company logo at the top of every page in his long document. Which option will you suggest to him to fulfill his task? a) Header b) Footer c) Margin d) Headings	1

Q. 3	Answer any 5 of the given 6 questions (1 x 5 = 5 marks)	
i	Krishna wants to make a flowchart for his programs in a Word document. Which option should he use to accomplish this task efficiently? a) Shapes b) Symbols c) Pictures d) All of these	1
ii	Fatima has inserted a picture in a document. But she wants to cut off a part of the picture. Which option she should use to accomplish the task? a) Cut b) Copy c) Crop d) Layout	1
iii	The intersection point between a row and column is called _____. a) Row b) Column c) Table d) Cell	1
iv	Amrita is celebrating her 14th birthday. She wants to invite her friends and family members for the party. Which feature will she use to send the same invite to a number of people with different addresses without typing it again and again? a) Mail Merge b) Letter wizard c) Document Type d) None of these	1
v	A ____ is a model that you use to create other documents. a) Styles b) template c) Wizard d) Sample	1
vi	Formulas in a Spreadsheet must begin with a _____ sign. a) \$ b) @ c) # d) =	1

Q. 4	Answer any 5 of the given 6 questions (1 x 5 = 5 marks)	
i	_____ is a tool to test "what-if" questions. a) Scenario b) Solver c) Macro d) Average	1
ii	To write a mathematical expression, choose the Equation option from the _____ tab in a Spreadsheet. a) Home b) Insert c) Data d) Review	1
iii	Hyperlink option is available in _____ group of Insert tab in a Spreadsheets. a) Illustrations b) Add-Ins c) Links d) Filter	1
iv	_____ uses the keyboard as a pointing device instead of a mouse. a) Mouse Key b) Toggle key c) Filter key d) Sticky key	1

PART B: SHORT ANSWER TYPE SUBJECT SPECIFIC QUESTIONS**Answer any 4 of the given 6 questions (2 x 4 = 8 marks)**

Q. 11	What is the need to create reference between the multiple worksheets of a workbook? Give an example.	2
Q. 12	What is the utility of text wrapping in a document?	2
Q. 13	What is the use of Macros in a Spreadsheet?	2
Q. 14	Write any two advantages of online shopping.	2
Q. 15	Differentiate between Primary key and Foreign key.	2
Q. 16	Define the following Hot spots:- a) WIMAX b) Wi-Fi	2

PART C: DESCRIPTIVE/ LONG ANSWER TYPE SUBJECT SPECIFIC QUESTIONS**Answer any 3 of the given 5 questions (4 x 3 = 12 marks)**

Q. 17	Elaborate four different types of indentation which can be provided in a Word Processor.	4																																												
Q. 18	Define the following: a) Goal Seek b) Consolidating Data	4																																												
Q. 19	What precautions must be taken to improve online security?	4																																												
Q. 20	List any two advantages and disadvantages of DBMS.	4																																												
Q. 21	<p>a) Create the following table items.</p> <table border="1"> <thead> <tr> <th>Column name</th> <th>Data type</th> <th>Size</th> <th>Constrain</th> </tr> </thead> <tbody> <tr> <td>Itemno</td> <td>Integer</td> <td></td> <td>Primary key</td> </tr> <tr> <td>Iname</td> <td>Varchar</td> <td>15</td> <td></td> </tr> <tr> <td>Price</td> <td>Numeric</td> <td>10, 2</td> <td></td> </tr> <tr> <td>Quantity</td> <td>Integer</td> <td>3</td> <td></td> </tr> </tbody> </table> <p>a) Consider the following table Item and write the queries (i) and (ii).</p> <p>Table: Item</p> <table border="1"> <thead> <tr> <th>Itemno</th> <th>Iname</th> <th>Price</th> <th>Quantity</th> </tr> </thead> <tbody> <tr> <td>11</td> <td>Soap</td> <td>40</td> <td>80</td> </tr> <tr> <td>22</td> <td>Powder</td> <td>80</td> <td>30</td> </tr> <tr> <td>33</td> <td>Face cream</td> <td>250</td> <td>25</td> </tr> <tr> <td>44</td> <td>Shampoo</td> <td>120</td> <td>100</td> </tr> <tr> <td>55</td> <td>Soap box</td> <td>20</td> <td>50</td> </tr> </tbody> </table> <p>i. Write a command to insert a new record with the following values : (66, 'Gel', 150, 70).</p> <p>ii. Write a query to display all the record of table Item whose price is in the range of 100 and 300.</p> <p style="text-align: center;">or</p> <p>Write a query to display all the records of a table in descending order of quantity.</p>	Column name	Data type	Size	Constrain	Itemno	Integer		Primary key	Iname	Varchar	15		Price	Numeric	10, 2		Quantity	Integer	3		Itemno	Iname	Price	Quantity	11	Soap	40	80	22	Powder	80	30	33	Face cream	250	25	44	Shampoo	120	100	55	Soap box	20	50	2+2
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