CBSE | DEPARTMENT OF SKILL EDUCATION

INFORMATION TECHNOLOGY (SUBJECT CODE-802)

Blue-print for Sample Question Paper for Class XII (Session 2020-2021)

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

PART A - EMPLOYABILITY SKILLS (10 MARKS):

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

PART B - SUBJECT SPECIFIC SKILLS (50 MARKS):

UNIT NO.	NAME OF THE UNIT	OBJECTIVE TYPE QUESTIONS 1 MARK EACH	SHORT ANS. TYPE QUES.-I 2 MARKS EACH	SHORT ANS. TYPE QUES.- II 3 MARKS EACH	DESCRIPTIVE/ LONG ANS. TYPE QUESTIONS 4 MARKS EACH	TOTAL QUESTIONS
1.	Unit -1 : Database Concepts – RDBMS Tool	11	2		1	14
2.	Unit -2 : Operating Web Based Applications	6		1	1	8
3.	Unit-3 : JAVA	11	2	1	2	16
4.	Unit-4: Work Integrated Learning IT – DMA	4	1	1	1	7
	TOTAL QUESTIONS	32	5	3	5	45
	NO. OF QUESTIONS TO BE ANSWERED	26	Any 3	Any 2	Any 3	
	TOTAL MARKS	1 x 26= 26	2 x 3 = 6	3 x 2 = 6	4 x 3 = 12	50 MARKS

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Sample Question Paper for Class XII (Session 2020-2021)

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. 1	Answer any 4 out of the given 6 questions on Employability Skills (1 x 4 = 4 marks)	
i.	Is it important to clearly communicate instructions, ideas and concepts that can help you find success in any career? State True/ False	1
ii.	All formulae in Spreadsheet begin with _____ sign (i) & (ii) = (iii) @ (iv) #	1
iii.	_____ work in collaboration with Green Builders to lay the idea of how the building will look like after its completion. They also provide artistic beauty to buildings to make them look innovative and interesting	1
iv.	List one benefit of Team Building	1
v.	_____ is feeling extremely nervous and worried because you believe that other people do not like you or are trying to harm you. (i) Paranoid (ii) Antisocial (iii) Narcissistic (iv) Dependent	1
vi.	Personality affects all aspects of an individual's performance, enlist any two personality traits.	1

Q. 2	Answer any 5 out of the given 7 questions (1 x 5 = 5 marks)	
i	_____ command is used to modify the value of attribute of one or more tuple in a table. i. Update ii. Modify iii. Alter iv. Create	1
ii	Keyword used to display the structure of the table i. Describe ii. Show iii. Select iv. Display	1

iii	_____ method of a String Class returns true if the length of this string is 0 i. indexAt() ii. length() iii. isEmpty() iv. indexOf()	1
iii	_____ Constraint is used to restrict the values of an attribute within a range.	1
iv	What are member methods??	1
v	Give one online website of B2C (Business to Consumer) segment.	1
vi	What is the importance of password field on online reservation site?	1

Q. 3	**Answer any 6 out of the given 7 questions (1 x 6 = 6 marks)**	

i	Predict the Output
	
	 int x=9, k=0;
	 int y=10;
	 y=++x;
	 x+=y;
	 k=x;
	 What will be the value of k?
		1

ii	_____is an e-commerce application where the customer can purchase goods over the Internet.	1
iii	_____ Phase of Web Application deveopement problem statement for which the web application is to be developed is identified. i. Requirement ii. Design iii. Implementation iv. Test	1
iv	select distinct dept_name from department; What does the above query do? a) It gives all the tuples having dept_name b) It gives the dept_name attribute values of all tuples without repetition c) It gives all the dept_name attribute of all the tuples d) It gives all the dept_name attribute of all the tuples	1
v	Define Referential Integrity.	1
vi	Identify the type of operator used If (A >=B) (i) Arithmetic (ii) Relational (iii) Logical (iv) Assignment	1

vii	E business offers advantages and opportunities, there are also risks and barriers. These include (a) Violation of customer privacy (b) Spikes causing websites to fail at peak times (c) Internet hackers penetrating company security d) All of the above	**1**
Q. 4	Answer any 5 out of the given 6 questions (1 x 5 = 5 marks)	
i	What is an Object?	**1**
ii	Predict the output double[]Qty = {346, 142, 103, 26.5, 387.5}; System.out.println(Qty[3]);	**1**
iii	Define Shopping cart	**1**

iv	_____ is not an aggregate function
	    a. Sum()
	    b. Count()
	    c. Round()
	    d. Avg()	

v	_____ replaces zero or more number of random character, when used with Like keyword.
	    a. _
	    b. %
	    c. $
	    d. @
		1

vi	_____ is a special method that every Java application must have.
	
	    a. Getter
	    b. Setter
	    c. Main
	    d. Default
		1

Q. 5	**Answer any 5 out of the given 6 questions (1 x 5 = 5 marks)**	

i	_____ Phase of Web Application development problem statement for which the web application is to be developed is identified.
	
	    i. Requirement
	    ii. Design
	    iii. Implementation
	    iv. Test
		1

ii	_____ method of a String Class Return the index of the first occurrence of given substring
	
	    i. indexOf()
	    ii. indexAt()
	    iii. length()
	    iv. isEmpty()
		1

iii	_____command which displays list of databases available on the current server.
	
	   i. Show databases
	   ii. Show tables
	   iii. Create tables
	   iv. Display table
		1

iv	Define Data Redundancy	1
v	_____is a collection of raw facts which have not been processed to reveal useful information.	1
vi	_____ method test whether this string end with the given suffix	1

Q. 6	**Answer any 5 out of the given 6 questions (1 x 5 = 5 marks)**	
i	Which SQL keyword is used to sort the result? a) ORDER BY b) SORT c) ORDER d) SORT BY	1

ii	_____ commands deletes the tuples from a Table
	
	   i. Drop
	   ii. Delete
	   iii. Modify
	   iv. None of the above
		1

iii	Define JVM	1
iv	Which of the following is **not** an example of eGovernance a. To file property tax b. To apply for renewal of Passport c. To start an online coding course for 3 months d. To get Voters ID card issued	1
v	Which of the following is an invalid variable declaration? a) my_string_1 b) 1st_string c) my string 1 d) _mystring1	1
vi	Name one front end and one Back end application to create Web Applications	1

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. 7	Sandeep has to appear for his first job interview. Mention at least 2 points he shall keep in mind before appearing.	2
Q. 8	Self-Motivation is significant in building one's personality. Comment	2
Q. 9	What is Cell referencing in a spreadsheet?	2
Q. 10	Rohan has a successful startup company. According to him 'Decision Making is considered to one of the important entrepreneurial competency'. Do you agree with Rohan's opinion? Justify.	2
Q. 11	What is the role of Water Quality technician?	2

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

Q. 12	Explain Drop table with Cascade command.	2

Q. 13	The following code has some error(s). Rewrite the correct code underlining all the corrections. Also categorize the loop as Entry / Exit Control Loop.
	
	`int p`
	`p = 14;`
	`do;`
	`      p = p-2;`
	
	`      System.out.displayln(p);`
	`}while p >= 2`
		2

Q. 14	Differentiate between = and == operator in JAVA	2
Q. 15	Explain Work integrated learning with respect to education sector.	2
Q. 16	A company is making database of Employees having personal details and Salary details Personal details have columns Empid, Name, Address, BloodGroup. Suggest Columns for Salary Table	2

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

Q. 17	How eGovernance does empowers the citizens. Give 3 points.	3

Q. 18	Predict the output of the following code; Also categorize the loop as Entry / Exit Control Loop.
	
	`int j=1,s=0;`
	`while (j<10)`
	`{`
	`      System.out.print(j+"+");`
	`      s=s+j;`
	`      j=j+j%3;`
	`}`
	`System.out.println("="+s);`
		3

Q. 19	(i) Mention at least 2 work areas which uses Database Management Systems.	(1+2)

	(ii) Jatin has given the following query from the table Student but he is unable to execute it successfully. Write the correct query after rectifying the error
	
	        Select Name, Marks
	        From student Table
	        Where Name ="P%"'	

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

Q. 20	Consider the following table and write SQL statements Table Menu	4

ID	Item	Description	Price
P001	Sambar Vada	South Indian	40
P002	Dal Maakhani	North Indian	150
P003	Noodles	Chineese	100
P004	Idli Sabar	South Indian	50
P006	Sarson Saag	North Indian	170
P007	Dosa	South Indian	120
P008	Pizza	Italian	200

i.   To add a new row with the following data
    "P009", "Lemon Rice", "South Indian", 140
ii.   Display details of all Menu items in the descending order of Price
iii.   Display Item and Description of those Items whose price is between 100 and 150
iv.   Add a new column Rating datatype as int to the table Menu

Q. 21	How students are benefitted from online learning? What are the various ways of online learning? Name 2 educational websites	4
Q. 22	Write a program in Java to display Area of a square. Differentiate between return type and method arguments with a suitable example	4
Q. 23	Aman wants to shop shoes online. Write detailed Steps/ procedure to be followed while shopping online.	4
Q. 24	(i) Write a program in Java to display Area of a square. (ii) What are comment entries in Java? Mention two ways to give comments.	2+2