CBSE | DEPARTMENT OF SKILL EDUCATION

INFORMATION TECHNOLOGY (SUBJECT CODE - 802)

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

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.	ICT 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**	**07**
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	Database Concepts	10	2	1	1	14
2	Operating Web Based Applications	9	0	0	1	10
3	Fundamentals of Java programming	12	2	1	3	18
4	Work Integrated Learning IT	1	1	1	0	3
TOTAL QUESTIONS		**32**	**5**	**3**	**4**	**45**
NO. OF QUESTIONS TO BE ANSWERED		**26**	**Any 3**	**Any 2**	**Any 3**	**34**
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 2023-2024)

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 feeling extremely nervous and worried because you believe that other people do not like you or are trying to harm you.	1
ii.	_____ is defined as the drive required to engage in goal-oriented behaviour	1
iii.	_____symbol is displayed when the column in Calc is not wide enough to display the value.	1
iv.	_____ is NOT a component of effective communication?	1
v.	Individuals, who focus on developing solutions that benefit the society, are called _____	1
vi.	"Green Skills" are primarily focused on _____	1

Q. 2	Answer any 5 out of the given 7 questions (1 x 5 = 5 marks)	
i.	The size of double datatype in java is _____bit.	1
ii.	_____ is a special method that every Java application must have.	1
iii.	Choose the correct MySql command to display 5% of salary as allowance a. select salary +0.5 as allowance from teacher; b. select salary *0.5 as allowance from teacher; c. select salary *0.5 rename as allowance from teacher; d. select salary+salary *0.5 allowance from teacher;	1
iv.	They are programmers who code in high level languages. a. Application programmers b. System analysts c. End users d. Database Administrators	1
v.	What is a byte code?	1
vi.	_____ are real time lectures, where users participate in the lecture, may ask questions and get their queries answered.	1
vii.	Define the scope of the application.	1

Q. 3	Answer any 6 out of the given 7 questions (1 x 6 = 6 marks)	
i.	Name one front end and one Back-end application to create Web Applications.	1
ii.	_____loop run at least once.	1
iii.	_____clause is used to remove duplicate values.	1
iv.	What is NeGP?	1
v.	The main purpose of this constraint is to check that data entered in one relation is consistent with the data entered in another relation. Name the constraint.	1

vi.	Finding of Bugs and Fixing them happens in _____ phase a. Design b. Testing c. Implementation d. Requirement Definition	1
vii.	Once the class is defined, we can create_____ of the class and access its members.	1

Q. 4	**Answer any 5 out of the given 6 questions (1 x 5 = 5 marks)**	

i.	Mr Sagar wants to purchase a product online. Help Mr Sagar in choosing the correct order of steps to be followed.
	A. Provide his details (Or login into his bank account)
	B. Add items in shopping cart
	C. Choose payment option (Make payment if not cash on delivery)
	D. Select Buy option
	   a) C, D, B, A
	   b) B, D, C, A
	   c) D, B, C, A
	   d). A, C, B, D
		1

ii.	While entering the data in the table, Seema is not able to leave the column age as blank in the table. What can be the possible reason?	1
iii.	Mention any one key characteristic of a project.	1
iv.	State TRUE or FALSE binary()method is used to arrange an array of integers in ascending order.	1
v.	The number of attributes in a relation is called the _____ of a relation	1
vi.	Predict the output double[]Qty = {46, 42, 13, 6.5, 87.5}; System.out.println(Qty[3]);	1

Q. 5	**Answer any 5 out of the given 6 questions (1 x 5 = 5 marks)**	
i.	*State True or False* The data connectivity is established between the Front-End interface and Back-End Database in the implementation phase.	1
ii.	Once the database is created, you can check it in the list of databases that currently exist on the server by using _____command.	1
iii.	Write MySQL statement that selects all products with a price between 10 and 20 from product table.	1
iv.	Java is case sensitive language. Justify the statement.	1
v.	A _____ in java is a group of related classes. a. Method b. Package c. Constructor d. Variable	1

vi.	Which component is used to compile, debug and execute java program? a. JVM b. JDK c. IDE d. JRE	1

Q. 6	**Answer any 5 out of the given 6 questions (1 x 5 = 5 marks)**	
i.	Which of the following is an invalid variable declaration? a) my_string_1 b) 1st_string c) mystring1 d) _mystring1	1
ii.	_____method takes a String as parameter and returns the equivalent integer.	1
iii.	This portal is a one point source to access all Indian Government websites at all levels and from all sectors. Name the portal.	1
iv.	REEMA wants to arrange names of students in alphabetical order in the student table. Give the MYSQL command to create a sorted list.	1
v.	_____ is not an aggregate function a. Sum() b. Count() c. Round() d. Avg()	1
vi.	Give one benefit of online reservation.	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	Explain any two methods to deal with stress.	2
Q. 8	What are the essential components of effective written communication?	2
Q. 9	Explain the concept of "eco-friendly consumerism." How does conscious consumer behavior influence market trends and encourage sustainable production practices?	2
Q. 10	Write down the steps to protect your spreadsheet in Calc?	2
Q. 11	What are the two major functions performed by an Entrepreneur?	2

Answer any 3 out of the given 5 questions (2 x 3 = 6 marks)

Q.12	Give the output of the following code segment-	2

	``java
	public class Main {
	  public static void main(String[] args) {
	    int day = 4;
	    switch (day) {
	      case 6:
	        System.out.println("Today is Saturday");
	        break;
	      case 7:
	        System.out.println("Today is Sunday");
	        break;
	      default:
	        System.out.println("Looking forward to the Weekend");
	    }
	  }
	}
	``	

Q.13	Explain Drop table with Cascade command in My SQL.	2
Q.14	Explain any two operations performed on database.	2
Q.15	A hospital is making database of its doctors and patients. Doctor table includes doc code, idoc name, dept . Give details of Patient Table along with its schema.	1+1

Q.16	Find error and rewrite the correct code
	 i == 0;
	while (i < 5) {
	 System.out.println(i)
	 i++;
		1+1

Answer any 2 out of the given 3 questions (3 x 2 = 6 marks)

Q.17	Complete the code in JAVA using a loop to print "Yes" 5 times:
	
	_____ (int i = 0; i < 5; _____)
	{
	 _____("Yes");
	}
		1+1+1

Q.18	a. Rina wants to display the details of employee whose name starts from s. Find errors in given MySQL command and write the correct statement. select* from employee where name like **s; b. Classify them into DDL or DML commands Update, delete, create , alter	1+2
Q.19	Explain the application of Database management systems in banking.	3

Answer any 3 out of the given 5 questions (4 x 3 = 12 marks)

Q.20	a.Write a single line Java code using String methods to perform the following tasks String cl = ''class xii''; i. Convert the characters to capital letters. ii. Find the total length of string. iii. Add a word ''toppers'' at the end of original string. b. What is the purpose of a constructor?	3+1
Q.21	a. Name two e-commerce websites. b. Creating a strong password is vital. A strong password has: i. 6-8 Alphanumeric characters ii. Special symbols iii. Only numbers iv. Both a and b c. What are the challenges in online learning?	1+1+2
Q.22	a. Name the user defined method in the code given below. Also predict the output static int myMethod(int x) { return (5 + x); } public static void main(String[] args) { System.out.println(myMethod(3)); } b. Explain any two access modifiers.	2+2
Q.23	a. What is an exception? b. Explain each of the following terms in exception handling i. try ii. catch iii. finally	1+3
Q.24	Consider the following tables and write Mysql Commands STORE	4

STORE

StoreId	StoreName	Location	NoOfEmployee	OpeningYear	OwnerId
S101	Libas	Delhi	45	2007	A145
S102	Life Style	Mumbai	68	2000	B178
S103	Vogue	Mumbai	50	1999	B178

OWNER

Owner Id	Owner Name
A145	Divyam Prakash
B178	Neha Sultan
D112	Gargi Chhabra

a. To display the number of employees present in each location.

b. To display Stores names, Location and Date of Opening of stores that were opened before 2015.

c. To add a new column SALE of integer type.

d. To display Store Name and Owner Name of all stores in Mumbai.