

CBSE | DEPARTMENT OF SKILL EDUCATION

INFORMATION TECHNOLOGY 802

CLASS XII (SESSION 2021-2022)
BLUE-PRINT FOR SAMPLE QUESTION PAPER FOR TERM - II

Max. Time Allowed: 1½ Hours (90 min)

Max. Marks: 30

PART A - EMPLOYABILITY SKILLS (05 MARKS):

UNIT NO.	NAME OF THE UNIT	NO. OF QUESTIONS - VSA (1 MARK EACH)	NO. OF QUESTIONS - SA (2 MARKS EACH)	NO. OF QUESTIONS - LA (4 MARKS EACH)	TOTAL NUMBER OF QUESTIONS
4	Entrepreneurial Skills-IV	2	1	-	3
5	Green Skills-IV	2	1	-	3
TOTAL QUESTIONS		4	2	-	06
NO. OF QUESTIONS TO BE ANSWERED		Any 3	Any 1	-	04
TOTAL MARKS		3 x 1 = 3 Marks	1 x 2 = 2 Marks	-	05 Marks

PART B - SUBJECT SPECIFIC SKILLS (25 MARKS):

UNIT NO.	NAME OF THE UNIT	NO. OF QUESTIONS - VSA (1 MARK EACH)	NO. OF QUESTIONS - SA - I (2 MARKS EACH)	NO. OF QUESTIONS - SA - II (3 MARKS EACH)	NO. OF QUESTIONS - LA (4 MARKS EACH)	TOTAL NUMBER OF QUESTIONS
3	JAVA	6	5	3	2	16
4	Work Integrated Learning IT	1	--	--	1	2
TOTAL QUESTIONS		07	05	03	03	18
NO. OF QUESTIONS TO BE ANSWERED		05	03	02	02	12
TOTAL MARKS		5 x 1 = 05 Marks	3 x 2 = 06 Marks	2 x 3 = 06 Marks	2 x 4 = 08 Marks	25 Marks

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SAMPLE QUESTION PAPER FOR TERM - II

Max. Time Allowed: 1 ½ Hours (90 min)

Max. Marks: 30

General Instructions:

1. Please read the instructions carefully
2. This Question Paper is divided into 03 sections, viz., Section A, Section B and Section C.
3. Section A is of 05 marks and has 06 questions on Employability Skills.
 - a) Questions numbers 1 to 4 are one mark questions. Attempt any three questions.
 - b) Questions numbers 05 and 06 are two marks questions. Attempt any one question.
4. Section B is of 17 marks and has 16 questions on Subject specific Skills.
 - a) Questions numbers 7 to 13 are one mark questions. Attempt any five questions.
 - b) Questions numbers 14 to 18 are two marks questions. Attempt any three questions.
 - c) Questions numbers 19 to 22 are three marks questions. Attempt any two questions
5. Section C is of 08 marks and has 03 competency-based questions.
 - a) Questions numbers 23 to 25 are four marks questions. Attempt any two questions.
6. Do as per the instructions given in the respective sections.
7. Marks allotted are mentioned against each section/question.

SECTION A

(3 + 2 = 5 marks)

Answer any 03 questions out of the given 04 questions		1 x 3 = 3
Q.1	Who are social entrepreneurs?	1
Q.2	An entrepreneur may face many personal barriers. Give any two personal barriers to entrepreneurship.	1
Q.3	What are the possible green jobs in building and construction?	1
Q.4	What is the mission of National Action Plan on Climate Change?	1
Answer any 01 question out of the given 02 questions		1 x 2 = 2
Q.5	What are the attitudes that make a successful entrepreneur?	2
Q.6	List some ways to minimise waste and pollution.	2

SECTION B**(5 + 6 + 6 = 17 marks)**

Answer any 05 questions out of the given 07 questions		1 x 5 = 5
Q.7	Why Java program is platform independent?	1
Q.8	Think of any two work areas which uses Database Management Systems	1
Q.9	How can you write multiline comments in java program?	1
Q.10	What should we do to make a data member or a method member of a class visible only within the class?	1
Q.11	Why main is special method in java program?	1
Q.12	How many times the loop will execute? for (int number = 5; number >= 1; number = number-1) { System.out.print("Square of " + number); System.out.println(" = " + number*number); }	1
Q.13	Write the statement to create an array that stores percentage of 5 students.	1
Answer any 03 questions out of the given 05 questions		2 x 3 = 6
Q.14	Explain the difference between a Class and an Object with an example.	1+1
Q.15	Find the error and give correct code int number = 1; while (number <= 5) {System.out.print("Square of " + number); System.out.println(" = " + number*number);}	2
Q.16	Give two differences between while loop and do while loop	1+1
Q.17	What is the need of a constructor in OOP? Also write one feature of a constructor.	1+1
Q.18	What will be the value of n after the execution of the following selection statement : int n=0; if (6>7 5>4) {n=5;} else n=7;	2
Answer any 02 questions out of the given 04 questions		3 x 2 = 6
Q.19	Read the code carefully and give its output : package javaprograms; public class StringDemo{ public static void main(String[]args) { String myString = "INFORMATION TECHNOLOGY"; System.out.println(myString.indexOf('E')); System.out.println(myString.contains("NO")); System.out.println(myString.length()); };	1+1+1
Q.20	What will be the value of rem after the execution of the following code snippet? Give reason. code =2; switch(code) { case 1: rem= 8; case 2: rem= 9; case 3: rem= 10; break;	3

	case 4: rem= 11; break;}	
Q.21	Write a for loop that displays all odd numbers between 1 to 10	3
Q.22	i. How can we enable assertions to debug our code in java? ii. What are the two ways to create threads in java? iii. Which member function of the Integer wrapper class allows access to the int value held in it.	1+1+1

**SECTION C
(COMPETENCY BASED QUESTIONS)**

(2 x 4 = 8 marks)

Answer any 02 questions out of the given 03 questions		
Q.23	What are methods in Java? Write a user defined method that return product of two numbers	1+3
Q.24	What is an exception? How are exceptions handled in java? Explain with example.	1+1+2
Q.25	i. How database management concepts are helpful in Government sector? ii. A Hospital is making database of patients and its staff. Doctor table includes Docid, Dname, and Department. Give details of Patient Table along with its schema.	1+2+1