



COMMON PRE-BOARD EXAMINATION 2025-26

CLASS-XII



Subject: INFORMATION TECHNOLOGY-802

Time Allotted: 3 Hours

Max. Marks: 60

MARKING SCHEME SET-3

Date:

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.

Q.NO	VALUE POINTS <u>SECTION A: OBJECTIVE TYPE QUESTION</u> Answer any 4 out of the given 6 questions on Employability Skills (1 x 4 = 4 marks)	MARKS SPLIT UP
1.	i. c) Perseverance	1
	ii. b) Positive attitude	1
	iii. c) Send it back to the production line to be melted.	1

	iv.	b) The clock was repaired by Sunil.	1
	v.	c) apply filter	1
	vi.	a) Borderline	1
	Answer any 5 out of the given 7 questions (1 x 5= 5 marks)		
2.	i.	b) Alter	1
	ii.	c) Indian Railway Catering and Tourism Corporation	1
	iii.	a) Remote	1
	iv.	c) semicolon(;	1
	v.	To make a data member or method member of a class visible only within the class itself, you should declare it as private .	1
	vi.	The new value of a is 50.	1
	vii.	b) Display the highest salary in each branch	1
	Answer any 6 out of the given 7 questions (1 x 6 = 6 marks)		
3.	i.	a) goirectory.nic.in	1
	ii.	DDL COMMANDS – CREATE, ALTER , DROP. (Any two)	$\frac{1}{2} + \frac{1}{2} = 1$
	iii.	a) They are slow as compared to software based applications.	1
	iv.	d) The loop body executes at least once before the condition is checked.	1
	v.	NeGP stands for "National e-Governance Plan."	1
	vi.	b) 10	1
	vii.	SELECT CNAME, SALARY FROM COACH WHERE CITY = "Delhi" ;	1
	Answer any 5 out of the given 6 questions (1 x 5 = 5 marks)		
4.	i.	b) Domain Constraint	1
	ii.	b) It converts Java bytecode into machine code for execution.	1
	iii.	c) Total number of columns in a relation.	1

iv.	a) coursera.org	1
v.	TRUE	1
vi.	a) equals()	1
Answer any 5 out of the given 6 questions (1 x 5 = 5 marks)		
5.	i. Comments are used in code by programmers to document their programs. This is especially useful in the real world, where large programs are written by one programmer and maintained by other programmers.	1
	ii. c) 8	1
	iii. package	1
	iv. d) project	1
	v. a) DROP	1
	vi. USE Exam;	1
Answer any 5 out of the given 6 questions (1 x 5 = 5 marks)		
6.	i. c) LIKE operator	1
	ii. a) int x = 50 ; This statement creates a primitive variable 'x' and assigns it the value 50. b) Integer y = new Integer(50); In this declaration, an object of the class Integer is instantiated and initialized with the value 50. The variable 'y' is a reference to a memory location that holds an object of the class Integer.	$\frac{1}{2} + \frac{1}{2} = 1$
	iii. a) Storing information about patients such as their personal details, health records etc.	1
	iv. c) Max_num	1
	v. d) Data is present in the other table	1
	vi. d) He can download the e-ticket from the website.	1
<u>SECTION B: SUBJECTIVE TYPE QUESTIONS</u>		
Answer any 3 out of the given 5 questions on Employability Skills		

	(2 x 3 = 6 marks) Answer each question in 20 – 30 words.	
7.	<p>Slide Design and Layout Tools -Allows users to create visually appealing slides using templates, themes, fonts, colors, and multimedia elements like images, videos, and charts.</p> <p>Animation and Transition Effects -Enables smooth movement between slides and dynamic content display using effects like fade, zoom, or fly-in to engage the audience.</p> <p style="text-align: center;">(Any other relevant points can be considered)</p>	1+1 = 2
8.	<p>a) Rini is an Entrepreneur- She runs her own vegetable-selling business.</p> <p>b) Entrepreneur - Owns and runs a business, Makes independent decisions.</p> <p>Waged Employee - Works for someone else's business, Follows employer's instructions.</p>	1+ ½ + ½ = 2
9.	<p>An adjective is a word that describes or modifies a noun or pronoun by giving more information about its quality, quantity, size, color, shape, feeling, or other attributes.</p> <p>Eg: The blue sky looked beautiful.</p> <p>Adjective: "blue" — it describes the noun "sky"</p>	1+1 =2
10.	<p>Suhail's behavior is consistent with Narcissistic Personality Disorder (NPD).</p> <p>This reflects poor self-management due to inflated self-image, lack of empathy, and difficulty handling criticism.</p>	1+1 = 2
11.	<p>Priya is promoting the green skill of Waste Management through her initiative.</p> <p>She identified the improper disposal of electronic waste (e-waste) and initiated a campaign to collect and separate these items.</p> <p>She focused on refurbishing and reusing useful parts, reducing landfill burden and pollution</p> <p style="text-align: center;">(Any other relevant points can be considered)</p>	1+1 = 2
	Answer any 3 out of the given 5 questions (2 x 3 = 6 marks)	
12.	<p>In banking sector storing information about customers. For example,</p> <p>i) Personal details such as address, age, PAN card, occupation, contact numbers.</p> <p>ii) Accounts and loans related information.</p> <p>iii) Information regarding daily transactions. For storing employee details such as their personal information, salary, leaves taken, joining date, retirement year</p> <p style="text-align: center;">(Any two relevant points can be considered)</p>	1+1 = 2
13.	<p>An infinite loop in Java occurs when the loop runs forever, the loop never exits. This happens when the test condition is always true.</p> <p>Eg:</p>	1+1=2

	<pre>int number = 1; while (number <= 5) { System.out.print("Square of " + number); System.out.println(" = " + number*number); } </pre> <p>This loop will run forever since number never changes, it remains at 1.</p>	
14.	1 9 25 49	$\frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} = 2$
15.	<p>A primary key is a column (or a combination of columns) in a database table that uniquely identifies each row in that table. Eg: Imagine a table called Students:</p> <p>Here, StudentID is the primary key because it uniquely identifies each student. Even if two students have the same name or grade, their StudentID will always be different.</p>	$1+1 = 2$
16.	UPDATE EMP SET bloodgroup = 'A negative' WHERE EID = 125;	2
	Answer any 2 out of the given 3 questions (2 x 3 = 6 marks)	
17.	<p>COUNT()- It counts the numbers of tuples in the result of the query. SUM() – It finds the sum of all the values for a selected attribute which has numeric data type. MAX() –It finds the maximum value out of all the values for a selected attribute which has numeric data type. MIN() - It finds the minimum value out of all the values for a selected attribute which has numeric data type. AVG() – It finds the average value of all the values for a selected attribute which has numeric data type</p> <p>(Any three)</p>	$1+1+1 = 3$
18.	<p>CATEGORY, PRODUCT, CUSTOMER, SELLER, WISH_LIST, ORDER, SHIPMENT, PAYMENT</p> <p>(Any six)</p>	$\frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} = 3$
19.	<p>a) The method calculateVolume() calculates and returns the volume of the Cuboid by multiplying its length,width and height. b) The object of the class is created using the statement: Cuboid c1= new Cuboid(); c) Volume:1500</p>	$1+1+1 = 3$
	Answer any 3 out of the given 5 questions (2 x 3 = 12 marks)	
20.	a) An array in Java is a data structure that allows you to store multiple values of the same type in a single variable. It's like a container that	$1+2+1 = 4$

	<p>holds a fixed number of elements, each accessible by an index.</p> <p>b) <pre>public static void main(String[] args) { // Create an integer array with 5 elements int[] numbers = {10, 20, 30, 40, 50}; // Display the array elements using a for loop System.out.println("Array elements are:"); for (int i = 0; i < numbers.length; i++) { System.out.println(numbers[i]); } }</pre></p> <p>c) Array index out of bounds error occurs and the program terminates unexpectedly with an error message.</p>	
21.	<p>a) <code>SELECT GNAME FROM GARMENTS WHERE SIZE = "XL";</code> b) <code>UPDATE GARMENTS SET COLOUR = "Orange" WHERE GCODE = 114 ;</code> c) <code>SELECT GNAME,SIZE,PRICE FROM GARMENTS ORDER BY PRICE DESC ;</code> d) <code>ALTER TABLE GARMENTS DROP COLUMN COLOUR ;</code> OR <code>ALTER TABLE GARMENTS DROP COLOUR ;</code></p>	1+1+1+1 = 4
22.	<p>a) <code>name.toUpperCase();</code> b) <code>name.indexOf('W') ;</code> c) <code>name.contains("Win") ;</code> d) <code>name.concat(" World Cup 2022");</code></p>	1+1+1+1 = 4
23.	<p>a) Shinod can browse Udemy/edX/Codecademy to join a Python course.</p> <p>b) One benefit of online courses is flexibility-Shinod can learn at his own pace and schedule.</p> <p>c) Precautions during online transactions include using secure websites (https), avoiding public Wi-Fi, and not sharing OTPs or passwords.</p> <p>d) One advantage for the institute is faster and more efficient fee collection through automated systems. (Any other relevant points can be considered)</p>	1+1+1+1=4
24.	<p>Constructor is a special method which is used to initialize the data members of the class (or any other initialization is to be done at time of object creation).</p> <p>The constructor has the same name as the class, has no return type, and may or may not have a parameter list. Whenever a new object of a class is created, the constructor of the class is invoked automatically. We do not call the constructor explicitly.</p>	2+2=4