

CBSE | DEPARTMENT OF SKILL EDUCATION

INFORMATION TECHNOLOGY (802)

MARKING SCHEME FOR CLASS XII (SESSION 2022-2023)

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. No.	QUESTION	Source Material (NCERT/PSSCIVE/ CBSE Study Material)	Unit/ Chap. No.	Page no. of source material	Marks
Q. 1	Answer any 4 out of the given 6 questions on Employability Skills (1 x 4 = 4 marks)				
i.	A startup is a company that is in the first stage of its operations. Startups can be started with minimum investment.	NCERT	4	88	1
ii.	she can sort the data on the total marks	NCERT	3	69	1
iii.	Persistence is the ability to continue to do something, even when it is difficult. <i>It is one of the attitudes and competencies to become a successful entrepreneur.</i>	NCERT	4	98	1
iv.	B. result orientation	NCERT	2	39	1
v.	(b) Extrovert	NCERT	2		1
vi.	true	NCERT	2	35	1
Q. 2	Answer any 5 out of the given 7 questions (1 x 5 = 5 marks)				
i.	c. Project has no boundaries.	CBSE Study Material	2	81	1
ii.	(i) Selection	CBSE Study Material	3	109	1
iii.	A. foreign key constraint can reference columns within the same table.	CBSE Study Material	1	39	1
iv.	(c) LIKE	CBSE Study Material	1	50	1

v.	To make a data member or a method member of a class visible only within the class, we add the keyword private before its declaration	CBSE Study Material	3	130	1
vi.	NICNET - the national satellite-based computer network. Or District Information System of the National Informatics Centre (DISNIC) program to computerize all district offices	CBSE Study Material	2	68	1
vii.	http://www.ncert.nic.in	CBSE Study Material	2	80	1
Q. 3	Answer any 6 out of the given 7 questions (1 x 6 = 6 marks)				
i.	Education, banking (or any other 2 work areas)	CBSE Study Material	4	156	½+ ½
ii	20	CBSE Study Material	3	108	1
iii.	Reduction in Redundancy, Improved Consistency (or any other 2 advantages)	CBSE Study Material	1	16	½+ ½
iv.	goidirectory.nic.in	CBSE Study Material	2	70	1
v.	a. 5,8	CBSE Study Material	1	17	1
vi.	Implementation Phase	CBSE Study Material	2	83	1
vii.	marks\$, marks4 are valid variable names	CBSE Study Material	3	106	½+ ½

Q. No.	QUESTION	Source Material (NCERT/PSSCIVE/ CBSE Study Material)	Unit/ Chap. No.	Page no. of source material	Marks
Q. 4	Answer any 5 out of the given 6 questions (1 x 5 = 5 marks)				
i.	a. Coursera.org	CBSE Study Material	2	121	1
ii.	NOT NULL constraint in age column	CBSE Study Material	1	34	1
iii.	different modes of payment - credit card, debit card, Net Banking, Cash on Delivery or e-gift voucher (mention any 2)	CBSE Study Material	2	76	½+ ½
iv.	When the bytecode (also called a Java class file) is to be run on a computer, a Java interpreter, called the Java Virtual Machine (JVM), translates the bytecode into machine code and then executes it.	CBSE Study Material	3	93	1
v. *	I and iii are same	CBSE Study Material	1	53	1
vi.	intValue() member function of the Integer wrapper class allows access to the int value held in it.	CBSE Study Material	3	153	1
Q. 5	Answer any 5 out of the given 6 questions (1 x 5 = 5 marks)				
i.*	11	CBSE Study Material	3	37	1
ii.	select distinct marks from teacher;	CBSE Study Material	1	49	1
iii.*	Decimal (5,2)	CBSE Study Material	1	31	1

iv.	An error situation that is unexpected in the program execution and causes it to terminate unexpectedly is called an exception	CBSE Study Material	3	139	1
v.	Writing the comment between the symbols /* and */	CBSE Study Material	3	97	1
vi.	This method is useful when you have multiple threads running but you want one of them to start execution only when another one finishes and notifies the first one to resume execution.	CBSE Study Material	3	153	1
Q. 6	Answer any 5 out of the given 6 questions (1 x 5 = 5 marks)				
i.	In Java, threads can be created in two ways 1. By extending the Thread class 2. By implementing the Runnable interface	CBSE Study Material	3	150	$\frac{1}{2}+$ $\frac{1}{2}$
ii.*	In the first declaration, an int variable is declared and initialized with the value 50. In the second declaration, an object of the class Integer is instantiated and initialized with the value 50. Or The variable x is a memory location and the variable y is a reference to a memory location that holds an object of the class Integer.	CBSE Study Material	3	153	$\frac{1}{2}+$ $\frac{1}{2}$
iii.	d. She can download the e-ticket from the website	CBSE Study Material	2	66	1
iv.	SELECT Name FROM Teacher ORDER BY Name;	CBSE Study Material	1	178	1
v.	DESCRIBE	CBSE Study Material	1	78	1
vi.	The focus is on "what" the application must do. Recognizing the limitations that are placed on the project.	CBSE Study Material	2	82	1

SECTION B: SUBJECTIVE TYPE QUESTIONS

Q. No.	QUESTION	Source Material (NCERT/PSSCIVE/ CBSE Study Material)	Unit/ Chap. No.	Page no. of source material	Marks
Answer any 3 out of the given 5 questions on Employability Skills (2 x 3 = 6 marks)					
Q. 7	Yes. If an entrepreneur does not have the ability to make suitable and timely decisions, the person may miss out on an opportunity and incur losses	NCERT	4	93	½+1½
Q. 8	S: Specific a goal should have a specific purpose. • M: Measurable Goals should always be measurable. • A: Action-oriented Goal setting should include action-based steps. • R: Realistic Goals must always be realistically attainable. • T: Timely Goals must have deadlines or specified time limit.	NCERT	2	41	2
Q. 9	A workbook is a spreadsheet that has one or more worksheets eg Calc (or any other application)	NCERT	3	53	1½+½
Q. 10	Protect your spreadsheet using a password. Click on Tools and select Protect Spreadsheet	NCERT	3	71	1+1
Q. 11	Ability to make the optimum use of time, energy and resources to achieve the desired goals like time management, Goal setting, efficiency, Managing quality.	NCERT	4	109	2
Answer any 3 out of the given 5 questions (2 x 3 = 6 marks)					
Q.12*	10 Fall through statement since there is no break in case 2	CBSE Study Material	3	111	1+1
Q.13*	Alter table student drop marks; <code>select* from employee where name like '%s%';</code>	CBSE Study Material	1	41	1+1
Q.14*	UPDATE Teacher SET NAME ="AMITA" WHERE NAME="AMIT";	CBSE Study Material	1	43	2

Q.15*	SHIPMENT (<u>Shipment_id</u> , Details, Shipment_date) <table border="1"> <thead> <tr> <th>Name</th> <th>Type</th> <th>Remarks</th> </tr> </thead> <tbody> <tr> <td>Shipment_id</td> <td>INT(10)</td> <td>Shipment number (Primary Key)</td> </tr> <tr> <td>Details</td> <td>VARCHAR(30)</td> <td>location details</td> </tr> <tr> <td>Shipment_date</td> <td>DATE</td> <td>Date of shipment</td> </tr> </tbody> </table> <i>(or ANY OTHER RELEVANT ATTRIBUTES)</i>	Name	Type	Remarks	Shipment_id	INT(10)	Shipment number (Primary Key)	Details	VARCHAR(30)	location details	Shipment_date	DATE	Date of shipment	CBSE Study Material	4	161	1+1
Name	Type	Remarks															
Shipment_id	INT(10)	Shipment number (Primary Key)															
Details	VARCHAR(30)	location details															
Shipment_date	DATE	Date of shipment															
Q.16	A while loop is an entry controlled loop it tests for a condition prior to running a block of code. A do-while loop is an exit control loop Or A while loop runs zero or more times Body of loop may never be executed A do-while loop runs once or more times but at least once.	CBSE Study Material	3	116	1+1												
Answer any 2 out of the given 3 questions (3 x 2 = 6 marks)																	
Q.17*	a. Syntax error b. This loop is an infinite loop. c. while(x <=5)	CBSE Study Material	3	117	1+1+1												
Q.18	In relational model, 1.A column is called an Attribute. 2.The value in each tuple is an atomic value. (Or any other 2 characteristics) AVG	CBSE Study Material	1	178	2+1												
Q.19	For storing details of electoral roll, all types of taxes (Income tax, sales tax, house tax etc.), criminal records, details of PAN cards, AADHAR cards, vehicle registration, birth/death certificate registration.	CBSE Study Material	4	156	3												
Answer any 3 out of the given 5 questions (4 x 3 = 12 marks)																	
Q.20*	a. name.toLowerCase() b. name.replace("Hello", "Welcome") c. name.contains("Sin") d. name.concat("jackpot")	CBSE Study Material	3	137	1+1+1+1												
Q.21	a. <i>makemytrip.com</i> (or any other reservation site) b. Convenient, time saving (or any other benefit)	CBSE Study Material	2	61	1+1+1+1												

	<p>c. Make a password complex like mix case, use numbers and special characters. Be cautious not to leave passwords around. (or any other precaution)</p> <p>d. Requires Less Staffing, No Spatial Restrictions (or any other benefit)</p>				
Q.22*	<pre>for (int count = 1; count <= 10; count = count +2) {System.out.println(count);}</pre> <p>Entry control loop</p>	CBSE Study Material	3	119	3+1
Q.23	<p>A special method member called the constructor method is used to initialize the data members of the class.</p> <p>Features</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>	CBSE Study Material	3	127	1+3
Q.24*	<p>a. SELECT , DATE FROM TRAIN, COUNTER WHERE TRAIN.TrainID=COUNTER.TrainNO and TicketID="T1";</p> <p>b. SELECT SUM(COST), STATION FROM TRAIN, COUNTER WHERE TRAIN.TrainID=COUNTER.TrainNO GROUP BY STATION;</p> <p>c. SHOW TABLES;</p> <p>d. DROP TABLE COUNTER;</p>	CBSE Study Material	1	57	1 1 1 1