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| <b>SET</b> | <b>B</b> |
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**INDIAN SCHOOL MUSCAT  
FIRST PRE BOARD EXAMINATION 2023  
INFORMATION TECHNOLOGY-802**

CLASS: XII

Max.Marks: 60

| MARKING SCHEME |        |  |                       |
|----------------|--------|--|-----------------------|
|                |        | VALUE POINTS   |                       |
|                |        | <b><u>SECTION A: OBJECTIVE TYPE QUESTIONS</u></b>  |                       |
| SET            | QN.NO  | <b>Answer any 4 out of the given 6 questions on Employability Skills (1 x 4 = 4 marks)</b> | <b>MARKS SPLIT UP</b> |
| B              | Q.1 i. | Narcissistic   | 1                     |
| B              | ii.    | Service Entrepreneurs  | 1                     |
| B              | iii.   | .ods   | 1                     |
| B              | iv.    | Promoting environmental sustainability.  | 1                     |
| B              | v.     | Extroverts   | 1                     |
| B              | vi.    | Prepositions   | 1                     |
| B              |        | <b>Answer any 5 out of the given 7 questions (1 x 5 = 5 marks)</b>                         |                       |
| B              | Q.2 i. | A project is a task that is undertaken to create a unique product, service, or result.     | 1                     |
| B              | ii.    | Webinars   | 1                     |
| B              | iii.   | b. select salary * 0.3 as increment from company;  | 1                     |
| B              | iv.    | b. System analysts   | 1                     |
| B              | v.     | Byte code is a set of instructions for Java class.   | 1                     |
| B              | vi.    | main()   | 1                     |
| B              | vii.   | Selection statement/if statement / if ... else statement                                   | 1                     |
| B              |        | <b>Answer any 6 out of the given 7 questions (1 x 6 = 6 marks)</b>                         |                       |

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| B | Q.3 i. | National e Governance Policy  | 1 |
| B | ii.    | entry   | 1 |
| B | iii.   | CHECK Constraint  | 1 |
| B | iv     | class   | 1 |
| B | v      | ORDER BY  | 1 |
| B | vi     | c. Project has no boundaries.   | 1 |
| B | vii    | Front End- Java NetBeans Back End- MySQL, Oracle etc  | 1 |
| B |        | <b>Answer any 5 out of the given 6 questions (1 x 5 = 5 marks)</b>  |   |
| B | Q.4 i. | TRUE  | 1 |
| B | ii.    | Degree  | 1 |
| B | iii.   | A web-based application provides the convenience of availability 24x7 from anywhere having an internet connection across the world. | 1 |
| B | iv     | b. B, D, C, A   | 1 |
| B | v      | DECIMAL(5,2) or any other value which can accommodate the value 999.99  | 1 |
| B | vi     | 812   | 1 |
| B |        | <b>Answer any 5 out of the given 6 questions (1 x 5 = 5 marks)</b>  |   |
| B | Q.5 i. | b. Package  | 1 |
| B | ii.    | USE Cargo ;   | 1 |
| B | iii.   | SELECT * FROM ITEM WHERE PRICE BETWEEN 250 AND 500 ;  | 1 |
| B | iv     | c. /* */  | 1 |
| B | v      | TRUE  | 1 |
| B | vi     | Scanner class   | 1 |
| B |        | <b>Answer any 5 out of the given 6 questions (1 x 5 = 5 marks)</b>  |   |
| B | Q.6 i. | d. Avg()  | 1 |

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| B | ii.  | Convenient, Price comparison, Security, Confirmation of reservation, Making choices, Time Saving.<br>– Explanation of any one  | 1     |
| B | iii. | goidirectory.nic.in  | 1     |
| B | iv   | SELECT NAME FROM EMPLOYEE ORDER BY NAME ;  | 1     |
| B | v    | a. my_note_1   | 1     |
| B | vi   | Integer  | 1     |
| B |      | <b><u>SECTION A: OBJECTIVE TYPE QUESTIONS</u></b>  |       |
| B |      | <b>Answer any 3 out of the given 5 questions on Employability Skills (2 x 3 = 6 marks)</b><br><b>Answer each question in 20 – 30 words.</b>  |       |
| B | Q.7  | Green jobs that contribute to protecting the environment and reducing carbon footprint are becoming a key economic driver of the twenty-first century.<br>Green jobs help:<br><ul style="list-style-type: none"> <li>• increase the efficiency of energy and raw material.</li> <li>• reduce greenhouse gas emissions.</li> <li>• control waste and pollution.</li> <li>• protect and restore ecosystems.</li> <li>• support adaptation to the effects of climate change.</li> </ul> | 2     |
| B | Q.8  | Intrinsic motivation-It includes activities for which there is no apparent reward but one derives enjoyment and satisfaction in doing them.<br><br>Extrinsic motivation-It arises because of incentives or external rewards.<br>Lack of motivation or incentives may lead to frustration.  | 1+1=2 |
| B | Q.9  | Effective written communication involves clear and concise expression of ideas to convey information accurately. The components include:<br>Clarity: Ensure the message is easily understandable.<br>Conciseness: Use concise language without unnecessary details.<br>Correctness: Eliminate grammatical and spelling errors.<br>Completeness: Include all necessary information.<br>Courteousness: Use polite and respectful language.   | 2     |
| B | Q.10 | Select <b>Tools menu</b> .<br>Go to <b>Protect document</b> .<br>Choose <b>Sheet</b> .<br>The <b>Protect Sheet</b> dialog box appears .<br>Type the password in <b>Password text box</b> .<br>Again type the password in <b>Confirm text box</b> . Click <b>OK</b> button.   | 2     |

| B       | Q.11     | <p>The major functions performed by an entrepreneur are as follows.</p> <p>a. Identifying entrepreneurial opportunity</p> <p>b. Turning ideas into action</p> <p>c. Feasibility study</p> <p>d. Resourcing</p> <p>e. Setting up an enterprise</p> <p>f. Managing the enterprise</p> <p>g. Growth and development</p> <p>(Explain Any Two )</p>  | 1+2=2    |      |        |      |         |                          |       |          |              |        |          |             |         |          |                        |       |
|---------|----------|---|----------|------|--------|------|---------|--------------------------|-------|----------|--------------|--------|----------|-------------|---------|----------|------------------------|-------|
| B       |          | <b>Answer any 3 out of the given 5 questions (2 x 3 = 6 marks)</b>  |          |      |        |      |         |                          |       |          |              |        |          |             |         |          |                        |       |
| B       | Q.12     | <p>Schema for Student Table(Stid, Sname, Course, Address)</p> <table><tr><th>Name</th><th>Type</th><th>Remark</th></tr><tr><td>Stid</td><td>integer</td><td>Student id (Primary key)</td></tr><tr><td>Sname</td><td>Char(20)</td><td>Student Name</td></tr><tr><td>Course</td><td>Char(25)</td><td>Course Name</td></tr><tr><td>Address</td><td>Char(50)</td><td>Address of the student</td></tr></table> <p>(Any other relevant field names also possible)</p> | Name     | Type | Remark | Stid | integer | Student id (Primary key) | Sname | Char(20) | Student Name | Course | Char(25) | Course Name | Address | Char(50) | Address of the student | 1+2=2 |
| Name    | Type     | Remark  |          |      |        |      |         |                          |       |          |              |        |          |             |         |          |                        |       |
| Stid    | integer  | Student id (Primary key)  |          |      |        |      |         |                          |       |          |              |        |          |             |         |          |                        |       |
| Sname   | Char(20) | Student Name  |          |      |        |      |         |                          |       |          |              |        |          |             |         |          |                        |       |
| Course  | Char(25) | Course Name   |          |      |        |      |         |                          |       |          |              |        |          |             |         |          |                        |       |
| Address | Char(50) | Address of the student  |          |      |        |      |         |                          |       |          |              |        |          |             |         |          |                        |       |
| B       | Q.13     | <p>Reduction in redundancy, Improved consistency, Improved availability, Improved Security, User friendly.</p> <p>(Explain Any Two )</p>  | 1+1=2    |      |        |      |         |                          |       |          |              |        |          |             |         |          |                        |       |
| B       | Q.14     | <pre>int j ; j = 0; while (j&lt; 10) {     System.out.println(j) ;     j++ ; }</pre>  | ½ x 4= 2 |      |        |      |         |                          |       |          |              |        |          |             |         |          |                        |       |
| B       | Q.15     | <p>Blue colour</p> <p>White colour</p>  | 1+1=2    |      |        |      |         |                          |       |          |              |        |          |             |         |          |                        |       |
| B       | Q.16     | <p>Drop table with CASCADE option will automatically drop all the constraints that refer this table.</p> <p>Eg: DROP TABLE Teacher CASCADE;</p>   | 2        |      |        |      |         |                          |       |          |              |        |          |             |         |          |                        |       |
| B       |          | <b>Answer any 2 out of the given 3 questions (3 x 2 = 6 marks)</b>  |          |      |        |      |         |                          |       |          |              |        |          |             |         |          |                        |       |
| B       | Q.17     | <p>Government Sector</p> <ul style="list-style-type: none"><li>For storing details of electoral roll, all types of taxes (Income tax, sales tax, house tax etc.), criminal records.</li><li>For storing details of PAN cards, AADHAR cards, vehicle registration, birth/death certificate registration.</li></ul>   | 3        |      |        |      |         |                          |       |          |              |        |          |             |         |          |                        |       |
| B       | Q.18     | <p>a. Select * from staff where name like “K%” ;</p> <p>b. DDL – Create,Alter</p> <p>DML – Select, Update</p>   | 1+2      |      |        |      |         |                          |       |          |              |        |          |             |         |          |                        |       |

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| B | Q.19 | Complete the code in JAVA using a loop to print " happy" 10 times:<br>for (int i = 0 ; i < 10 ; i++ )<br>{<br>System.out.println( "happy" ) ;<br>}  | 1+1+1 |
| B |      | <b>Answer any 3 out of the given 5 questions (4 x 3 = 12 marks)</b>   |       |
| B | Q.20 | a. An error situation that is unexpected in the program execution and causes it to terminate unexpectedly is called an exception.<br><br>b. Explain each of the following terms in exception handling<br>i. The try block is examined during execution to detect any exceptions that may be thrown by any statements or any calls to methods within the block.<br>ii. The program execution stops at that point and control enters the catch block whose argument matches the type of the exception object thrown. If a match is found the statements in that catch block are executed for handling the exception.<br>iii. The optional finally block is always executed when the try block exits. This means the finally block is executed whether an exception occurs or not. | 1+3   |
| B | Q.21 | a. myntra.com, snapdeal.com                      (Any two other relevant websites also)<br><br>b. iv. Both ii and iii<br><br>c. It provides freedom to the learner to learn at their convenient location, convenient time and at their own pace of learning. There is no discrimination of age, caste, gender, background, or the qualification of the learner. The tutorials may be enriched with audio and video information, which makes learning more enjoyable and attractive. Tutorials and tests are available for almost all topics, sometimes in regional languages also.  | 1+1+2 |
| B | Q.22 | a. myFunction( ) output- 35<br><br>b. A <b>Class</b> in object oriented programming is a blueprint or prototype that defines the variables and the methods (functions) common to all Java Objects of a certain kind.<br><br>An <b>object</b> in OOPS is a specimen of a class. Software objects are often used to model real-world objects you find in everyday life.   | 2+2   |
| B | Q.23 | a. Write a single line Java code using String methods to perform the following tasks<br>String msg = "FAREWELL XII";<br>i. msg.toLowerCase( ) ;<br>ii. msg.length( ) ;<br>iii. msg.concat("Sianora" ) ;   | 3+1   |

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|   |      | b. Constructor is used to initialise an object of a class automatically when the object of that class is created.   |   |
| B | Q.24 | a. SELECT * FROM SHOP ORDER BY NoOfemployee ;<br>b. SELECT ShopName,Location,Dateofopening FROM SHOP WHERE Dateofopening > “2004-01-01” ;<br>c. SELECT Location, SUM(NoOfemployee) FROM SHOP GROUP BY Location;<br>d. SELECT ShopName,Prname FROM SHOP S , PROPRIETOR P WHERE S.OwnerId = P.Prid AND Location = “Bangalore” ; | 4 |