WIN – H

Answers to questions are to be given only in English except in the case of candidates who have opted for Hindi Medium. If a candidate has not opted for Hindi medium, his answers in Hindi will not be valued.

Answer to Sections A and B should be given in separate sets of answer-books.

SECTION – A

Question No. 1 is compulsory.

Answer any five questions from the rest.

**Marks**

1. Answer all the following questions in brief:

   (a) What is fat client / fat server?

   (b) Differentiate volatile and non-volatile memory.

   (c) What is Computer Output Microfilm (Microfiche)?

   (d) Define Entity and Relationship.

   (e) What is WiFi?

   **Marks**

   5×2 =10

2. (a) Explain the different types of database backups.

   (b) What are the components of Decision Support System?

   **Marks**

   4

3. (a) What are the requirements of LAN?

   (b) Describe the components of Intrusion Detection Systems.

   **Marks**

   4

4. (a) Describe the factors in determining the best file organization.

   (b) Explain the distinct steps in “Document Imaging”.

   **Marks**

   4

WIN – H

P.T.O.
5. (a) Differentiate between Third-Generation Languages (3 GLs) and Fourth-Generation Languages (4 GLs).

(b) Describe the advantages and disadvantages of machine language or first generation languages.

6. For the flow chart given below:

(a) Print the output displayed for using the given two sets of data:

<table>
<thead>
<tr>
<th>X</th>
<th>Y</th>
</tr>
</thead>
<tbody>
<tr>
<td>1&lt;sup&gt;st&lt;/sup&gt; Set:</td>
<td>15</td>
</tr>
<tr>
<td>2&lt;sup&gt;nd&lt;/sup&gt; Set:</td>
<td>35</td>
</tr>
</tbody>
</table>

(b) What interpretation do you make from the instructions given in the flow chart?

(c) Comment about the storage of the variables used in the instructions of the flow chart.

7. Describe briefly any four terms:

(a) Bluetooth
(b) Primary Key
(c) Conventions or rules of a Protocol
(d) ASCII Code
(e) Device Drivers
8. (a) "Environment is the sum of several External and Internal forces that affect the functioning of business." Explain.
(b) Briefly explain the importance of Strategic Management.
(c) Specify the steps that is needed to initiate & bring changes in the strategic building of any organization.
(d) Being a strategic professional, analyze and redesign the work force in the context of business process reengineering.
(e) Elaborate the interrelationship between strategy formulation and implementation.

9. (a) State with reasons which of the following statements is correct or incorrect:
(i) Developing annual objectives & short-term strategies that are compatible with the selected set of long-term objectives are one of the major task of strategic management.
(ii) E-commerce technology opens up a host of opportunities for reconfiguring industry and company value chains.

(b) Fill in the blanks in the following statements with the most appropriate word:
(i) Strategy is a deliberate reach for a plan of action that will develop a business ________ and compound it.
(ii) Market penetration refers to a ________ where the business focuses on selling existing products into existing market.
(iii) Total Quality Management is a people focused management system that aims at continual increase in ________ at continually lower real cost.
10. Explain the meaning of following concepts:
   (i) Production System
   (ii) Differential Marketing
   (iii) De-marketing
   (iv) Directional Strategies
   (v) Cost Leadership Strategies
   (vi) Market Penetration
   (vii) Strategic Group Mapping

11. (a) Elaborate the following principles that guide the Total Quality Management Philosophy:
   (i) Universal Quality Responsibility
   (ii) Preventing Rather than Detecting Defects
   (iii) Continuous Improvement and Learning
   (b) What is strategic control? Briefly explain the different types of strategic control.

12. (a) Explain briefly the role of culture in promoting better strategy execution.
   (b) Describe two environmental changes that you expect to have a major impact on the industry:
   (i) Retail Industry
   (ii) Automobile Industry
   (iii) Education Industry

13. Distinguish between the following:
   (a) DMAIC and DMADV Methodology of Six Sigma
   (b) Expansion Strategy and Retrenchment Strategy

14. Write short notes on the following:
   (a) Elements Considered for Situational Analysis
   (b) Role of Global Industries