Roll No. ...........................

Total No. of Questions – 14       Total No. of Pri... 4

Time Allowed – **3 Hours**      Maximum Ma...

# SYR

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/her answers in Hindi will not be valued.

Answers to **Section – 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. Describe briefly the following terms with reference to Information Technology :    **1×10 =10**

    (i)    Multi-Processing

    (ii)   Virtual Memory

    (iii) Meta Data

    (iv) Semantics

    (v)   Partitioned Database

    (vi) Multimedia Network

    (vii) Middleware

    (viii) Repeaters

    (ix) Extranet

    (x)   Uniform Resource Locator (URL)

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2. (a) Describe any four basic functions of an operating system.

   (b) Convert the following from one number system to another number system along with working notes : **2×2 =4**

   (i) $(10101.001)_2 = ($    $)_{10}$

   (ii) $(55.25)_{10} = ($    $)_2$

3. (a) Explain briefly any four components of Local Area Network (LAN).   4

   (b) Describe Mesh Network Topology. Discuss its advantages.   4

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

   (b) What is the difference between Internet and www ? Explain.   4

5. (a) What is M-Commerce ? Discuss the business areas affected by M-Commerce technology.   4

   (b) Discuss any four dimensions of E-Commerce Security.   4

6. (a) Distinguish between "Condition Stub" and "Condition Entries" in a Decision Table.   2

   (b) Top town Municipality, is levying annual House Tax, as per following rules :   6

| Size of House in Sq. Metre | House tax rate per Square Metre |
|---|---|
| Less than 100 | Nil |
| Upto Next 400 | ₹ 10 |
| Upto Next 500 | ₹ 20 |
| More than 1000 | ₹ 25 |

There is a surcharge of 5% of the value of House Tax. Taking into account the above factors, draw a flow chart to compute appropriate total House Tax including surcharge for any one house.

**SYR**

7.   Write short notes on any **four** of the following :   2.
                                                              =8

(i)   Spooling software

(ii)   Program Debugging

(iii)   Host-based Intrusion Detection (HID)

(iv)   Honeypot

(v)   Electronic Purses

## Section – B

Question No. **8** is compulsory.

Answer any **five** questions from the rest.

8.   (a)   "A business enterprise is a sub-system of the larger environmental system."   **3**
            Discuss the relationship between the organization and its business
            environment.

(b)   What do you mean by financial strategy of an organization ? How the worth   **3**
       of a business is evaluated ?

(c)   According to Michael Porter, strategies allow organizations to gain   **3**
       competitive advantages from different bases. Explain these bases as
       mentioned by Porter.

(d)   "The Ansoff's product market growth matrix is a useful tool that help businesses   **3**
       their product and market growth strategy." Elucidate this statement.

(e)   "Three key characteristics of six Sigma separate it from other quality   **3**
       programs of the past." Explain these characteristics.

**SYR**

9. (a) State with reasons which of the following statements is correct or incorrect

   (i) A strategic group consists of rival firms with similar competitive approaches and positions in the market.

   (ii) Total Quality Management (TQM) focusses on preventing rather than detecting defects.

   (b) Explain the elements of strategic vision.     3

10. What do you mean by micro environment of business ? Explain its elements.     7

11. (a) How is <u>TOWS</u> Matrix an improvement over the <u>SWOT</u> Analysis ? Describe the construction of TOWS Matrix.     2+2 =4

    (b) Explain the role of Strategic Management in non-profit organisations.     3

12. (a) Define Strategic Change. Explain the various stages/phases of change process as propounded by Kurt Lewin.     1+3 =4

    (b) Explain in brief, how E-commerce environment has affected the business ?     3

13. Distinguish between the following :

    (a) Transformational leadership style and Traditional leadership style.     4

    (b) Top-down and Bottom-up strategic planning.     3

14. Write short notes on the following :

    (a) Elements of Marketing Mix.     4

    (b) Importance of Strategic Management.     3

    **OR**

    Network structure.     3

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