PART - A
(compulsory). Each sub-question carries 1 mark.                      32 marks

Q.1 Fill in the blanks:                                              (8 marks)

1. ........................................ is an extension of an intranet which makes the latter accessible to
out outside companies.
2. BUS, STAR, RING are the types of ..................................................
3. ........................................ act as a barrier between internal and external network.
4. ........................................ is a spreadsheet program.
5. ........................................ is a volatile memory.
6. Printer is an ........................................ device.
7. ........................................ is the system program that acts as an interface between the user and the
hardware of the computer.
8. ........................................ is the menu option that is used to create a new blank table in MS-word.

Q.2 Match the following:                                             (8 marks)

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Dot-Matrix printers</td>
<td>a. Input device</td>
</tr>
<tr>
<td>2. Arithmetic logical unit</td>
<td>b. Set of Instructions</td>
</tr>
<tr>
<td>3. Software</td>
<td>c. Communication Protocols</td>
</tr>
<tr>
<td>4. Operating System</td>
<td>d. ALU</td>
</tr>
<tr>
<td>5. Document</td>
<td>e. Automated Teller Machine</td>
</tr>
<tr>
<td>6. Joystick</td>
<td>f. Output device</td>
</tr>
<tr>
<td>7. ATM</td>
<td>g. Textual or Graphical contents</td>
</tr>
<tr>
<td>8. TCP/IP</td>
<td>h. Systems Software</td>
</tr>
</tbody>
</table>
Q.3 Say true or false: (8 marks)

1. Deleting a shortcut deletes the original file.
2. Application software helps the computer to manage itself.
4. Digital Signature is used for authenticity of the message.
5. Cache Memory has the shortest access time.
6. Plotters are used to produce a hard copy of graphical output.
7. In Excel **Custom Filter** extracts entire rows matching the given criteria.
8. Only top value records can be filtered using the **Top 10 AutoFilter** option.

Q.4 Write the full forms of the following: (8 marks)

1) MICR  2) WAN  3) Wi-Fi  4) RDBMS  5) EDI  6) ASCII  7) SMTP  8) LCD

PART –B (48 marks)

(Answer any three questions out of five questions. Each question carries 16 marks)

Q.5 Explain Distributed computing & Centralized Computing.
Q.6 Explain the components of a Computer system.
Q.7 What are the elements of a computer system? Explain in detail.
Q.8 Explain the Role of Information technology in CRM and SCM.
Q.9 Explain Information Technology ACT.

PART –C (20 marks)

(Compulsory)

Q.10 Case Study:

Explain the role of Information Technology in Education sector. Take an example of a university. Describe the role of IT in various functional area of the university like admissions, attendance, students/employee records, examinations etc. Also compare its advantages and benefits with institute who don’t implement IT.

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