I – ESP (20 Marks)

Read the following passage and answer the questions below:

In the world of computers, networking is the practice of linking two or more computing devices together for the purpose of sharing data. Networks are built with a mix of computer hardware and computer software. Communication languages used by computer devices for networking purpose are called network protocol. Popular protocols include TCP/IP.

Networks are classified according to different criteria as geographical area, architecture, topology, and network protocol. Networks that cover a large geographical area are:

1. Local area networks (LANs) - span a single home, school, or small office building,
2. Wide area networks (WANs) - cover a country or a continent, and
3. Personal Area Networks (PANs) - include a laptop, a mobile phone and a PDA. The Internet is the world's largest public WAN.

Computer networks also differ in their design. The two basic forms of network design are called client/server and peer-to-peer. Client-server networks feature centralized server computers that store email, web pages, files and applications. Client-server networks are more common in business and peer-to-peer networks are more common in homes. Home and small business computer networks can be built using either wired or wireless technology. Wired networks are linked by ethernet cables, phone lines and high-speed fiber optic cables. However, wireless networks use electromagnetic waves, such as radio waves to transmit data. The main types of wireless networks are: satellites for long distance, WIMAX for connecting Wi-Fi hotspots, bluetooth for short distance, and GSM for mobile phones. Most recently, home networks were introduced in home automation systems for controlling lights, digital thermostats and appliances.
A. Answer the following questions. (1x3=3Marks)

1. What is computer networking?

________________________________________________________
________________________________________________________

2. Name two basic forms of network design.

________________________________________________________

3. WIMAX is a type of wireless network. What is it used for?

________________________________________________________

B. Circle the correct answer. (1x2=2Marks)

1. __________ is used to cover a country or a continent.
   a) LAN  b) WIMAX  c) WAN  d) PAN

2. The Internet is the world's largest public ____________.
   a) PDA  b) WIFI  c) LAN  d) WLAN

C. Tick ☑ whether the sentence is true (T) or false (F). (1x5=5Marks)

1. The languages used in networking purpose are called network protocol.  ☐ T ☐ F

2. Home automation system is used for controlling game consoles.  ☐ T ☐ F

3. Wired network technology is linked by electromagnetic waves.  ☐ T ☐ F

4. A client-server network has multiple servers to store data.  ☐ T ☐ F

5. Computer networks differ in their design.  ☐ T ☐ F
D. Complete the dialogue with words from the box. (1x5=5Marks)

<table>
<thead>
<tr>
<th>about</th>
<th>change</th>
<th>devices</th>
<th>problem</th>
<th>speed</th>
<th>what</th>
</tr>
</thead>
</table>

A: I have a problem with the network download (1) _________________.

B: Why don’t you (2) _______________________ the hub?

A: I don’t think that will work. The hub is fine.

B: OK, how (3) _______________________ adding a repeater, then?

A: Hmm, I’m not sure it will help. It’s not a (4) _______________________.

   with the signal strength.

B: OK, then you should check the cables and network (5) ________________ to

   make sure that they are compatible with your network.

E. Circle the correct answer. (½ × 4 = 2 Marks)

1. What is the difference ________________ a database and spreadsheet?
   a) between    b) in     c) of      d) about

2. A ________________ is for sorting data.
   a) computer   b) database  c) laptop   d) desktop

3. A database is a collection ________________ records.
   a) in        b) on       c) at      d) of

4. The school has__________________ about the students.
F. Match a line in column A with a line in column B. \((\frac{1}{2} \times 6 = 3 \text{ Marks})\)

<table>
<thead>
<tr>
<th>Column A</th>
<th>Column B</th>
<th>Answers</th>
</tr>
</thead>
<tbody>
<tr>
<td>1) Finance</td>
<td>a) data about employees, training and recruitment needs</td>
<td>1)</td>
</tr>
<tr>
<td>2) Marketing</td>
<td>b) data about product specification, details and design</td>
<td>2)</td>
</tr>
<tr>
<td>3) Human resources</td>
<td>c) data about profits, tax, loans and cash</td>
<td>3)</td>
</tr>
<tr>
<td>4) Customer relation</td>
<td>d) information about the Help Desk, support calls and problem reports</td>
<td>4)</td>
</tr>
<tr>
<td>5) Production</td>
<td>e) data about customers’ satisfaction survey and promotions</td>
<td>5)</td>
</tr>
<tr>
<td>6) Technical support</td>
<td>f) data about product advertisement and competitors</td>
<td>6)</td>
</tr>
</tbody>
</table>

II - GRAMMAR (10 Marks)

A. Fill in the blanks using appropriate words from the box. \((\frac{1}{2} \times 5 = 2.5 \text{ Marks})\)

| very | two  | must | too   | could | let’s |

1. If you want to become a doctor, you ___________ go to medical college.

2. The exercise is ___________ difficult, but I can do it.

3. I can’t buy you a new car because it’s ___________ expensive.

4. A: ___________ you please turn on the lights.

   B: Yes, of course.

5. A: Where do you want to go for dinner tonight?

   B: ___________ go to a seafood restaurant.
B. Make yes / no questions. Give short answers.  

(½x4=2 marks)

1. A: ____________________________________________________________?

   B: ___________________________ (They can write an email.)

2. A: ____________________________________________________________?

   B: ___________________________ (Mohammed can’t drive a car.)

C. Fill in the blanks choosing the correct answers.  

(½x6=3 marks)

1. You _____________ (should / shouldn’t) use your mobile during the lesson.

2. Hooriya is _____________ (at / in) Dubai for her studies.

3. You _____________ (must not / don’t have to) speak to the driver when the bus is moving.

4. _____________ (maybe / may be) I will go to the pool later today.

5. A cat _____________ (can / can’t) talk.

6. There are only _______ (to / two / too) days left before the new term begins.
D. **Underline the imperative verbs.**  

(½ × 5 = 2.5 Marks)

1. First, open an account.

2. Second, browse the website.

3. Then, choose an item.

4. Next, put an item in the basket.

5. After that, check the order.

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III - **WRITING (10 Marks)**

A. Read the following paragraph and write down the **topic sentence**, the **concluding sentence** and the **number of supporting sentences**.  

(1 × 3 = 3 Marks)

Saudi Arabia is one of the best countries in the world. First, Saudi Arabia has an excellent health care system. All Saudi Arabians have access to medical services at a reasonable price. Second, Saudi Arabia has a high standard of education. Students are taught by well-qualified teachers and are encouraged to study at university. Finally, Saudi Arabia’s cities are clean and efficiently managed. They have many parks and lot of space for people to live. As a result, Saudi Arabia is a desirable place to live.

1. Topic sentence: __________________________________________

______________________________________________________________________________

2. Concluding sentence: _________________________________________________________

______________________________________________________________________________
3. The number of supporting sentences: __________

B. Write a short message to your friend congratulating her on getting the first rank in the university examination. (2 Marks)

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Congratulations!
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C. Read the list of steps and do as directed. (5 Marks)

(a) Write (TS) for topic sentence and then number the supporting sentences in correct time order.

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>After that, strain the tea into a cup.</td>
</tr>
<tr>
<td>2</td>
<td>Quickly, switch off the water boiler before it reaches the boiling point.</td>
</tr>
<tr>
<td>3</td>
<td>First, heat 1 cup of water.</td>
</tr>
<tr>
<td>4</td>
<td>Finally, add honey and a few drops of lemon juice to taste and enjoy it hot.</td>
</tr>
<tr>
<td>5</td>
<td>Making green tea is easy.</td>
</tr>
<tr>
<td>6</td>
<td>Next, add 1 teaspoon of green tea and brew it for about 2-3 minutes.</td>
</tr>
</tbody>
</table>

Marking Rubric:

<table>
<thead>
<tr>
<th>Marking Rubric</th>
<th>Assigned Mark</th>
<th>Awarded Mark</th>
</tr>
</thead>
<tbody>
<tr>
<td>Opening Salutation</td>
<td>½</td>
<td></td>
</tr>
<tr>
<td>Closing Salutation</td>
<td>½</td>
<td></td>
</tr>
<tr>
<td>Relevant Message</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>

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(b) Write the ordered steps in **paragraph form** and give a **suitable title**.

<table>
<thead>
<tr>
<th>Marking Rubric</th>
<th>Assigned Mark</th>
<th>Awarded Mark</th>
</tr>
</thead>
<tbody>
<tr>
<td>Numbering steps in correct order</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Title</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Paragraph formation with correct punctuation</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>

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Student ID: [ ] [ ] [ ] [ ] [ ] [ ] [ ]