Read the following passage and answer the questions that follow: [8Marks]

Tim Berners Lee is a British computer scientist, best known as the inventor of the World Wide Web. Tim Berners Lee, one of the four children in his family, was born on 8 June 1955 in southwest London, England. He graduated from Oxford University in 1976. After graduation, he became a software engineer where he helped create type-setting software for printers. Tim understood the unrealized potential of millions of computers connected together through the Internet.

While at CERN, a laboratory in Switzerland, Tim specified a set of technologies that made the Internet truly available and useful to people. His first proposal provided an explanation of what the World Wide Web (WWW) was, and how one could use a browser and set up a web server. Believe it or not, Tim’s first internet proposal was not immediately accepted. He wrote the first web client and server in 1990. His specifications of URI (Uniform Resource Identifier), HTTP (Hypertext Transfer Protocol), and HTML (Hyper Text Markup Language), were developed as Web technology spread.

A. Answer the following questions: (1x3 = 3 marks)

1. Who is the inventor of the World Wide Web?

2. What made the Internet truly available to people?

3. What does the acronym URI stand for?

B. Tick ✓‘T’ for true and ‘F’ for false statements: (½ x4 = 2 marks)

1. Tim Berners Lee is one of the four children in his family. T O F O

2. Tim’s first proposal didn’t explain the use of browser. T O F O

3. Tim was born on 8 June 1955 in southwest London. T O F O

4. Tim’s internet proposal was immediately accepted. T O F O
C. Choose the correct option: (1x3 = 3 marks)

1. Tim Berners Lee’s first proposal provided the explanation about _____.
   a. Hyper Text Transfer Protocol  b. Uniform Resource Identifier
   c. Hyper Text Markup Language  d. World Wide Web

2. After graduation Tim helped creating _____ software for printers.
   a. hair setting  b. options setting
   c. type-setting  d. code setting

3. CERN research laboratory is in _______.
   a. Saudi Arabia  b. Southwest England
   c. Switzerland  d. Swaziland

Read the following passage and answer the questions below: [8 Marks]

Wireless networks have limited range. Network range depends on the type of 802.11 protocol, strength of the device transmitter and the architecture of the surrounding areas. Some structures, such as walls and metal frames, reduce the range of a WAN by 25%. However, users can extend the range of a WLAN. Repeaters forward the wireless signal to accept points or routers and increase the range of a network.

Bandwidth and latency are the measures of computer network speed, or data transfer rate. Bandwidth is the maximum throughput of data in bits per second. Some modems support 100G bits but speed depends on the hardware and software used. Latency is the delay that network creates during the transfer data. Users have no, or very little, control over bandwidth and latency.

A. Answer the following questions: (1 x 4= 4marks)

1. What things does network range depend on?

_________________________________________________________________________

2. What are the measures of computer network speed?

_________________________________________________________________________

3. Which device forwards the signal strength of a network range?

_________________________________________________________________________

4. Name the two things that network speed depends on.

_________________________________________________________________________
B. Circle the correct answers: (1 x 2 = 2 marks)

1. These structures reduce the range of a WAN by 25%.
   a. walls and metal frames  
   b. cables and chords
   c. wires and nuts  
   d. flash and memory

2. This is the delay that caused by the network during the transfer of data.
   a. computing  
   b. bridge
   c. latency  
   d. access point

C. Tick whether the following statements are “True” or “False. (½ x 4 = 2 marks)

1. Bandwidth is the maximum throughput of data in bits per minute. T [ ] / F [ ]
2. Wireless networks have unlimited range. T [ ] / F [ ]
3. Users have no or very little control over bandwidth and latency. T [ ] / F [ ]
4. Some modems support 100G bits but speed varies. T [ ] / F [ ]

Vocabulary:

A. Write what the acronyms stand for: (½ x 2 = 1 mark)

1. SSL : ________________________________
2. WWW:_____________________________

B. Match the following: (1x4 = 4 marks)

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
<th>Answers</th>
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<tr>
<td>1. Betty is creating</td>
<td>a. a CD.</td>
<td>1.</td>
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<td>2. Stock management</td>
<td>b. a file.</td>
<td>2.</td>
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<td>3. gateway</td>
<td>c. data about quantity of product storage</td>
<td>3.</td>
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<tr>
<td>4. Philip is burning</td>
<td>d. is an entrance to another network</td>
<td>4.</td>
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C. Number the pictures: (1x4 = 4 marks)

1. Flash drive
2. Mouse
3. Server
4. Monitor
5. Laptop
6. Keyboard

D. Number the sentences from (1-5) in correct order: (1 x 5 = 5 marks)

The steps in buying products online

a. The customer browses and goes to the website.

b. The customer goes to the check-out.

c. The customer opens an account and chooses the item to buy.

d. The customer pays for the product with a credit or debit card.

e. The customer put the item in shopping cart and checks the order.

II. Grammar-15 marks

A. Underline the correct word from the parentheses: (½ x 4=2 marks)

1. I (spend / spent) ________________ a lot of money on shopping yesterday.

2. Ali (will write / is write) ________________ an e-mail to his mother tomorrow.

3. The students (are working / working) ________________ on this exercise right now.

4. The knife is very sharp. It (cuts / cut) ________________ anything easily.
B. Circle the correct answer: (1 x 3=3 marks)

1. Jack is ________ Italy.  
   a. at   b. for   c. in   d. on

2. Students ________ come to class on time.  
   a. would   b. can   c. will   d. must

3. I ________ study tonight.  
   a. had to   b. has to   c. going to   d. have to

C. Make questions using what, why, when, or will: (½ x 4=2 marks)

1. __________________________________________?  
   Because Jim wants big muscles. (Jim lifts weight because he wants big muscles.)

2. __________________________________________?  
   Fatima bought a new dress.

3. __________________________________________?  
   Yes, I will. (I’ll be ready to leave at 7:00.)

4. __________________________________________?  
   At 9:00. (The train will arrive at 9:00.)

D. Complete the sentences with the words given in the box. (½ x 6=3 marks)

<table>
<thead>
<tr>
<th>could you</th>
<th>most of</th>
<th>couple of</th>
<th>very</th>
<th>one of</th>
<th>knows how to</th>
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1. I will complete my homework in a _________________ minutes.
2. Salha ___________________ bake a cake.
3. ___________________ please lend me the book?
4. ___________________ my friends is a doctor.
5. The test is _________________ difficult, but I can answer it.
6. Abdullah ate ___________________ the pizza.

E. Correct the errors and rewrite the sentence: (1 x 5=5 marks)

1. Why Mustafa didn’t come the class last week?
   __________________________________________
2. I’m going to return home in a couple of month.

3. I will may be at the party tonight.

4. When I was on vacation, I can go shopping every day.

5. Closing the door please. Thank you.

III. Writing - 15 marks

A. Combine the pairs of sentences using ‘after / but / so / and’.

1. I like roses. They have thorns.

2. Fruits are good for health. I eat them every day.

B. Read the paragraph and circle the conjunctions.

My best friend’s name is Ameera. She is very responsible, and she is also fun to be with. We have a great time whenever we get together. She is beautiful and intelligent too. She is a talkative girl, but she is a very good listener, too. I can talk about my problems with her, and she always gives me good advice. I am really glad to have a friend like Ameera.

C. Correct the six mistakes (capitalization and punctuation): (½ x 6 = 3 marks)

tom is often late for his work on monday. He is late for his work because he reads the Monday morning paper before going to work. Unfortunately, he often takes too much time. He always drinks coffee with bread butter and jam in the morning but he rarely drinks Green tea without sugar
D. Rewrite the sentences by using the given frequency adverbs: (1 x4 = 4 marks)

1. Ahmad reads the Quran in the morning (always).

2. Ebtisam gets angry (never).

3. Sara is very friendly (usually).

4. They watch TV in the afternoon (often).

E. Write an email to your friend Amna accepting her Eid party invitation. (4 marks)

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