



QUESTION # 1. Give short answers of the following: (15x2=30)

1. List six types of computers that are designed for use by a single person.
2. How does OCR software translate scanned text into text that you can edit?
3. Describe a specific advantage of some new photo printers.
4. Describe the role of the computer’s system clock?
5. What are average access times for hard disks?
6. Name five special purpose ports and write the use of each.
7. Why is task switching a necessary feature of a multitasking operating system?
8. List four benefits that networks provide to their users.
9. How are Internet newsgroups organized?
10. What is the primary difference between an intranet and an extranet?
11. What is the difference between a spreadsheet and a worksheet?
12. What are common data types of a field in a database?
13. Define green computing.
14. What are the steps of system development cycle?
15. Define an information system. Why do we use it?

Give brief answers of the followings. (3x10=30)

QUESTION # 2. [10 Marks]




- a) In context of resource allocation, how does an operating system manage memory? [5]
- b) Explain following terms with respect to computer security. [5]
 - a. Piggybacking
 - b. Denial of Service
 - c. Data diddling

QUESTION # 3. [10 Marks]

- a) Discuss different LAN components. [5]
- b) Define DBMS. What are the advantages of Database approach? [5]

QUESTION # 4. [10 Marks]

- a) Write a program that calculates either area of a rectangle (area = Length * Width) or the area of a triangle (area = 1/2 * base * height) after prompting the user to type the first character of the figure type (R or T). [5]
- b) Write HTML code to produce the following. [5]

LIFE FORMS			
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center; font-size: small;">Flora and Fauna</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">  </td> </tr> </tbody> </table>	Flora and Fauna		<ol style="list-style-type: none"> 1) Archaea 2) Bacteria 3) Eukaryote
Flora and Fauna			
			
<p>It is estimated that more than 99% of all species that ever existed on Earth, amounting to over five billion species, are extinct.</p>			

Here,

1. The text “Life Forms” is a first level heading.
2. Next is a table with border and a header row containing center aligned “Flora and Fauna”.
3. First column of table contains an image “life.jpg” with width and height 150.
4. Second column of table has an ordered list only.