

- Q.1 (a) Describe various applications of Information Technology. [10]  
(b) Explain Information system and its role in an organization. [10]

**OR**

- Q.1 (a) Describe various types of software along with their qualities. [10]  
(b) Compare different types of programming languages. [10]

- Q.2 (a) Draw the Block Diagram of Computer and explain input and output blocks with an example. [10]  
(b) Differentiate Compiler and Interpreter. [10]

**OR**

- Q.2 (a) Define computer and explain its characteristics. [10]  
(b) Explain different types of Memory and list five storage devices. [10]

- Q.3 (a) What is Web Server? Explain how browser communicates with web server. [10]  
(b) Describe three methods for emphasizing content of a web page. [10]

**OR**

- Q.3 (a) Describe structure of HTML document with an example. [10]  
(b) What is HTML tag? Explain paired tags with suitable example. [10]

- Q.4 (a) Convert  $(397.6)_{10}$  to Binary and Octal with explanation. [10]  
(b) Explain character codes and its importance. [10]

**OR**

- Q.4 (a) Explain Binary division with suitable example. [10]  
(b) Describe Hexadecimal Number System. [10]

- Q.5 (a) What is set? Explain different set operations. [10]  
(b) Explain any five relations in set theory. [10]

**OR**

- Q.5 (a) Explain classes in set theory with an example. [10]  
(b) Describe properties of set functions. [10]

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