BCA-14

VMOU

Computer Application in Corporate World

SET-1

Very Short Answer Questions

1. (i)What is Hypertext and Hypermedia?
   (ii)What are main features in good programming language?
   (iii)Write the names of any two programming paradigms.
   (iv)Write names of any two programming languages that support strong type checking.
   (v)Give the names of two Elementary data types.

   (vi)Name of four multimedia sound formats.
   (vii)What are MPEG and JPEG?
   (viii)What are multimedia authoring tools?
   (ix)What is the difference between isolated I/O and memory mapped I/O?
   (x)Explain TIFF.

Short Answer Questions

2. What is pipelining?
3. Explain the different types of data compression techniques.

4. What are the various computer based information system? Explain them briefly.
5. Draw Architecture Context Diagram for computer based interactive Railway Reservation System.
6. Explain the different types of data compression techniques.
7. Explain the logic diagram of basic cell of RAM.
8. Briefly explain the Concept of Preprocessor. Also explain its types in detail with example.

9. What is dynamic memory allocation? Explain with example.

Long Answer Questions

10. Explain the differences between hardware & software. Depict the relevant curves.
11. Describe the document architecture and formatting of files or documents in multimedia systems.
12. Write short notes on: -
    a)MPEG file format
    b)Animation techniques.
13. Explain the importance of requirements. How many types of requirements are possible and why?

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SET-2

Very Short Answer Questions

1. (i) What is object space method?
   (ii)What is image space method?
   (iii)What is meant by Software Engineering?
   (iv) What are the characteristics of Software?
   (v) What are the elements of Computer based Systems?

   (vi)What are the contents of the software development plan?

   (vii)Define system modeling.

   (viii) Define system simulation.

   (ix) What are the types of system simulation?

   (x)When does memory get allocated for a structure?

Short Answer Questions

2. What are the various computer based information system? Explain them briefly.
3. Discuss the three key elements of software engineering
4. Explain major problems & their solutions in system development.
5. What is difference between system analysis and design?
6. Describe the different techniques used in the animation control mechanisms.
7. Explain multimedia hardware with example.
8. What are multimedia authoring tools? Explain its various types.
9. . What do you mean by language translator? Explain the working of compiler, assembler and interpreter.

Long Answer Questions

10. What do you mean by language translator? Explain the working of compiler, assembler and interpreter.
11. Write a short note on the following

    1. Primary Memory and its types.

    2. Secondary Memory and its types.

    3. Cache Memory.

12. Define System. What are different characteristics of system?
13. Explain multimedia communication model. What are major application areas of multimedia?