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Questions:

IV. ANSWER ALL THE QUESTIONS.

1. What are called Parameters and write a note on
   (i) Parameter without Type
   (ii) Parameter with Type
2. Explain with example Pure and impure functions.
3. Explain with an example interface and implementation.

III. ANSWER ANY SIX QUESTIONS.

4. Write an algorithm to check whether the entered number is even or odd.
5. Explain the syntax of function definitions.
6. Mention the characteristics of Interface.
7. Why strlen is called pure function?
8. What is the side effect of impure function. Give example.
9. Differentiate pure and impure function
10. Write a function that finds the minimum of its three arguments.

II. ANSWER ANY SIX QUESTIONS.

11. Differentiate parameters and arguments.
12. Construct on algorithm that arranges meetings between these two types so that they change their color to the third type. In the end, all should display the same color.
13. What is a subroutine ?
14. Define Function with respect to Programming language.
15. Differentiate interface and implementation.
16. Write algorithmic recursive function definition to find the sum of n natural numbers
17. Define pure function. Give one example.

QB365 TM Study Material QUESTION BANK 365

I. CHOOSE THE CORRECT ANSWER:

18. The small sections of code that are used to perform a particular task is called
    (a) Subroutines (b) Files (c) Pseudo code (d) Modules
19. The values which are passed to a function definition are called
    (a) Arguments (b) Subroutines (c) Function (d) Definition
20. The functions which will give exact result when same arguments are passed are called
    (a) Impure functions (b) Partial Functions (c) Dynamic Functions (d) Pure functions
21. Which is the basic building block of computer programs?
    (a) Argument (b) Parameter (c) Subroutine (d) Interface
22. Which of the following is an example of impure function?
    (a) Strlen() (b) random() (c) sqrf() (d) pure()