

b) Illustrate the overloading of unary operator ++ for a class with suitable example. 5

OR

c) Define a operator overloading. List rules for operator overloading. 5

d) What is runtime memory management ? Explain new and delete operator with example. 5

4. Either

a) What is this pointer ? Explain with suitable example. 5

b) Explain following file I/O error handling functions - 5

- i) bad ()
- ii) eof ()
- iii) fail ()
- iv) good ()

OR

c) Differentiate between pointers and references. Explain how following expressions will be evaluated *p++ and ++*p. 5

5. d) Write a program to create a data file to store names of countries and their capital and then display contents. 5

Solve all questions :

a) Write a program in C++ to compute a^b where a and b are of real and integer respectively. 2½

b) State the difference between function definition and function prototype giving example. 2½

c) Describe the syntax of single inheritance in C++. 2½

d) What is friend function ? What are the demerits of friend function ? 2½
