Q. 1. Write an inline function to find maximum of 3 numbers.   [15 Marks]

Q. 2. Write a C++ program to create a class Item with data members Item_Code, Item_Name, Item_Price. Write member functions to accept and display Item information also display number of objects created for a class. (Use Static data member and Static member function)   [25 Marks]

Q. 3. Viva   [10 marks]

Q 1. Write C++ program to count and display the number of lines not starting with alphabet 'A' present in a text file "STORY.TXT".   [15 Marks]

Q. 2. Create a class distance which accept the distances in feet & inches from the user & display the sum of two distances in feet & inch. [use object as function argument, Write the function inside the class] Modify above program to return the distance as an object of same class   [25 Marks]

Q. 3. Viva   [10 marks]

Q. 1. Write a C++ program to overload function volume and find volume of cube, cylinder and sphere.   [15 Marks]

Q. 2. Write a C++ program create a calculator for an arithmetic operator (+, -, *, /). The program should take two operands from user and performs the operation on those two operands depending upon the operator entered by user. Use a switch statement to select the operation.   [25 Marks]

Q. 3. Viva   [10 marks]

Q. 1. Write an inline function to find maximum of 3 numbers.   [15 Marks]

Q. 2. Write a C++ program to swap two integer values and two float values by using function template   [25 Marks]

Q. 3. Viva   [10 marks]

Q. 1. Write a C++ program to calculate area of cone, sphere and circle by using function overloading   [15 Marks]

Q. 2. Create a C++ class for a student object with the following attributes—roll no, name, number of subjects, marks of subjects. Write member function for accepting marks and display all information of student along with total and Percentage. Display mark list with Use of manipulators.   [25 Marks]

Q. 3. Viva   [10 marks]

Q. 1. Write a C++ program to make a simple calculator using class template.   [15 Marks]

Q. 2. Write C++ program to read the base class Information i.e. employee name, code,

designation. And the derived class contains years of experience and age. Design a

virtual base class for the item employee name and code.   [25 Marks]

Q. 3. Viva   [10 marks]

Q. 1. Write a C++ program to accept length and width of a rectangle. Calculate and display perimeter as well as area of a rectangle by using Inline function.   [15 Marks]

Q. 2. Write a C++ program to concatenate two Strings using operator + function.   [25 Marks]

Q. 3. Viva   [10 marks]

Q. 1. Write a program to derive a class rectangle from base class shape using single

    inheritance.   [15 Marks]

Q. 2. Write a C++ program create a calculator for an arithmetic operator (+, -, *, /). The program should take two operands from user and performs the operation on those two operands depending upon the operator entered by user. Use a switch statement to select the operation.   [25 Marks]

Q. 3. Viva   [10 marks]

Q 1. Write a C++ program to count and display the number of lines not starting with alphabet 'A' present in a text file "STORY.TXT".   [15 Marks]

Q 2. Write a C++ program to create a class Item with data members Item_Code, Item_Name, Item_Price. Write member functions to accept and display Item information also display number of objects created for a class. (Use Static data member and Static member function)   [25 Marks]

Q. 3. Viva   [10 marks]

<p style="color:red; text-align:center">Slip 10</p>

Q. 1. Write a C++ program to swap a data using function template.   [15 Marks]

Q. 2. Write C++ program to read the base class Information i.e. employee name, code, designation. And the derived class contains years of experience and age. Design a virtual base class for the item employee name and code.   [25 Marks]

Q. 3. Viva   [10 marks]

<p style="color:red; text-align:center">Slip 11</p>

Q. 1. Write a C++ program to create a class Item with data members Item_Code, Item_Name, Item_Price. Write member functions to accept and display Item information also display number of objects created for a class. (Use Static data member and Static member function).   [15 Marks]

Q. 2. Write a C++ program to overload function volume and find volume of cube, cylinder and sphere.   [25 Marks]

Q. 3. Viva   [10 marks]

Q. 1. Write a program to copy the contents of one file to another.   [15 Marks]

Q. 2 Define a class Animal with their basic features as class members. Create two derived classes from Animal named herbivores and Carnivores (type) with their own features too. Accept name of animal with type and display all the related information.   [25 Marks]

Q. 3. Viva   [10 marks]

Q. 1. Write a C++ program to swap two integer values and two float values by using function template.   [15 Marks]

Q. 2. Write a C++ program to count and display the number of lines not starting with alphabet 'A' present in a text file "STORY.TXT". Example: If the file "STORY.TXT" contains the following lines, The roses are red. A girl is playing there. There is a playground. An aeroplane is in the sky. Numbers are not allowed in the password. The function should display the output as 3.   [25 Marks]

Q. 3. Viva   [10 marks]

Q. 1. Write a C++ program to count and display the number of lines not starting with alphabet 'A' present in a text file "STORY.TXT". Example: If the file "STORY.TXT" contains the following lines, The roses are red. A girl is playing there. There is a playground. An aeroplane is in the sky. Numbers are not allowed in the password. The function should display the output as 3.   [15 Marks]

Q. 2. Write a C++ program create a calculator for an arithmetic operator (+, -, *, /). The program should take two operands from user and performs the operation on those two operands depending upon the operator entered by user. Use a switch statement to select the operation.   [25 Marks]

Q. 3. Viva   [10 marks]

Slip 15

Q. 1. Write a C++ program to calculate area of cone, sphere and circle by using function overloading.   [15 Marks]

Q. 2. Write a C++ program to create a class Item with data members Item_Code, Item_Name, Item_Price. Write member functions to accept and display Item information also display number of objects created for a class. (Use Static data member and Static member function)   [25 Marks]

Q. 3. Viva   [10 marks]

Slip 16

Q. 1. Write a C++ program to find area and volume of cylinder using Inline function.   [15 Marks]

Q. 2. Write a C++ program to count and display the number of lines not starting with alphabet 'A' present in a text file "STORY.TXT". Example: If the file "STORY.TXT" contains the following lines, The roses are red. A girl is playing there. There is a playground. An

aeroplane is in the sky. Numbers are not allowed in the password. The function should display the output as 3.   [25 Marks]

Q. 3. Viva   [10 marks]

Q. 1. Write a C++ program to make a simple calculator using class template.   [15 Marks]

Q. 2. Write a program to derive a class rectangle from base class shape using single

inheritance.   [25 Marks]

Q. 3. Viva   [10 marks]

Q. 1. Write a C++ program to count and display the number of lines not starting with alphabet 'A' present in a text file "STORY.TXT". Example: If the file "STORY.TXT" contains the following lines, The roses are red. A girl is playing there. There is a playground. An aeroplane is in the sky. Numbers are not allowed in the password. The function should display the output as 3.   [15 Marks]

Q. 2. Write a C++ program to concatenate two Strings using operator + function.   [25 Marks]

Q. 3. Viva   [10 marks]

Q. 1. Write a C++ program to swap two integer values and two float values by using function template. [15 Marks]

Q. 2. Write a C++ program for Exception Handling Divide by zero Using C++ Programming. [25 Marks]

Q. 3. Viva [10 marks]

Q. 1. Write a C++ program to accept length and width of a rectangle. Calculate and display perimeter as well as area of a rectangle by using Inline function. [15 Marks]

Q. 2. Write C++ program to read the base class Information i.e. employee name, code, designation. And the derived class contains years of experience and age. Design a virtual base class for the item employee name and code. [25 Marks]

Q. 3. Viva [10 marks]