Q.1 Create the following classes and write member functions and display proper information to user using constructor and destructor also use this pointer.

a) Time b) Date c) Person d) Student e) Fan f) Point

Q.2 Swap two numbers using reference variable. Create class Swap.

Q.3 Write a program to implement flight class with data member as flight no., source, destination and fare. Write a copy constructor and a member function to display the flight information.

?->Where is Q.4.

Q.5 A book shop maintains the inventory of books that are being sold at the shop. The list includes details such as author, title, price, publisher and no. of copies. Whenever a customer wants a book, the sales person inputs the title and author and the system searches the list and displays whether it is available or not. If it is not, an appropriate message is displayed. If it is, then the system displays the book details and requests for the number of copies required. If the requested copies are available, the total cost of the requested copies is displayed; otherwise the message "Required copies not in stock" is displayed.

Incorporate the following features:

1.Value of attributes should be assign to some value.

2.Create Accept_book_Info() and Display_Book_Status() methods.

Q.6 Create one class Library which having data members as author, title, price, publisher and no. of copies. Assign some specific values to all its data members and create member functions as

Accept_Book_info(),Print_Book_info().

Create function such as Selling_Prise() on the following basis of conditions:

If Actual price of the book is greater than equal to 2500/- then discount=1.00%

If actual price is less than 2500/- then discount=0.5%

Then find out final selling price of the book.