```
Q1. What is the difference between global variables and local variables?
                                                                                                   2
Q2. Write the names of the header files to which the following belong ---
                                                                                                   1
       i) strcmp()
                          ii) fabs()
Q3.Find the output of the following program -----
                                                                                                   3
              # include<iostream.h>
              Struct PLAY
               { int Score, Bonus;
               };
               void Calculate(PLAY &P,int N=10)
               { P.Score++;
                P.Bonus+=N;
               }
              void main ()
                \{ PLAY PL = \{ 10, 15 \}; \}
                   Calculate(PL,5);
                   cout<<PL.Score<<": "<<PL.Bonus<<endl ;</pre>
                   Calculate(PL);
                   cout<<PL.Score<<": "<<PL.Bonus<<endl ;</pre>
                   Calculate(PL,15);
                   cout<<PL.Score<<": "<<PL.Bonus<<endl;</pre>
                }
Q4.Find the output of the following program ----
                                                                                                  2
      #include<iostream.h>
       #include<ctype.h>
          void Encrypt(char T[])
              { for (int i = 0;T[i]!='(0';i+=2)
                       if (T[i]=='A'||T[i]=='E')
                                T[i]='#';
                      else if(islower (T[i]))
                               T[i]=toupper(T[i]);
                      else
                              T[i]='@';
         }
         void main()
              {
                     char text[]="SaVE EArtH";
                                                               //the two words in the starting text
                                                               //are separated by single space
                    Encrypt(text);
                     cout<<text<<endl;</pre>
              }
  Q5. What do you understand by Data Encapsulation and data Hiding?
                                                                                                   2
```

Q6.	What is the difference between Object Oriented Programming and I	Procedural 2	
	Programming?		
Q7.	Write the names of the header files to which the following belong-	1	
-	i) frexp() ii) isalnum()		
Q8 .	What do you understand by polymorphism? Give a suitable example.	,	2

Q9.Write a function in C++ to combine the contents of two equi-sized arrays A and B by computing their corresponding element with the formulae 2*A [i] + 3*[i] ; where value i varies from 0 to N-1 and transfer the resultant content in the third same sized array.

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Q10. Define a class Garments in C++ with the following descriptions:

Private Members:	
GCode	of type string
GType	of type string
GSize	of type Integer
GFabric	of type string
GPrice	of type float

A function Assign() which calculates and assigns the value of GPrice as follows: For the value of GFabric as "COTTON":

GType	<u>GPrice (Rs)</u>
TROUSER	1300
SHIRT	1100

For GFabric other than "COTTON" the above mentioned GPrice gets reduced by 10%.

Public Members

Private Members:

- A constructor to assign initial values of GCode, GType, and GFabric with the word "NOT ALLOTTED" and GSize and GPrice with 0.
- A function Input() to input the values of the data members GCode, GType, GSize and GFabric and invoke the Assign () function.
- A function Display () which displays the content of all the data members for a Garment.

Q.11 Define a class clothing in C++ with the following descriptions-

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Code	of type string
Туре	of type string
Size	of type integer
Material	of type string
Price	of type float

A function Calc_Price () which calculates and assigns the value of Price as follows-For the value of Material as "COTTON":

nue of Material as COTTON :				
Price (Rs.)				
1500				
1200				

For Material other than "COTTON" the above mentioned Price gets reduced by 25%.

Public Members

- A constructor to assign initial values of Code, Type, and Material with the word "NOT ASSIGNED" and size and price with 0.
- A function Enter () to input the values of data members Code, Type, Size and Material and invoke the Calc_Price () function.
- A function Show() which displays the content of all the data members for a clothing.