

COMPUTER SCIENCE bywere angel mother Cante (330)

Time: 3 Hours]

[Maximum Marks: 60

Answer all questions. Note: (i)

> Marks allotted to each question are given in the right-hand margin. (ii)

> > A H LUBBUR PARK

- Use C++ programming language to answer the programming questions.
- Define the following: 1.

General Instructions:

- Teleconferencing a)
- b) Sorting



- **Telnet** c)
- d) www
- Can FTP Server be connected if there is no account of mine in it? What will be the login name? of me ilist page. Also check to see that the questions are [1]

Candidate must write his/her Roll Number on the first page of the Question Paper.

Explain three data Transmission model. Muking any identification mark in the Antiversions of writing Bull Number any-

[3]

Distinguish the following: $2 \times 3 = 6$

- Write your Question Paper Code No. 58 (OSS) AMO bus ADIM An (i at-Book
 - ii) Logical & Physical Records
 - Shell Connection & TCP-IP Connection

58/OSS/1-330-B]

G-243



Name the two types of access that you can give to the users for sharing files and printers attached to your Computer. Which of the following identifiers can't be used for naming variable, constants a) or function in a program : Hello_Sir, CP+SP, For, INCLUDE, default. Name the header files to which the following built-in functions belong. b) i) getchar() Assume an intela ariable num. Write a C++ stat opension to display 'ODD' if pain is odd and "EVEN" otherwise. Contrast Implicit & Explicit Type conversion. Give Example. c) [2] d) Explain the following terms with example from C++. Oniam biov Encapsulation i) Polymorphism ii) Write a program to accept a number and print maximum and minimum digit in e) that number. What is the difference between '=' and '==' operator. Give example in support 4. a) of your answer. [2] Contd..... 58/OSS/1-330-B] G-243

3.

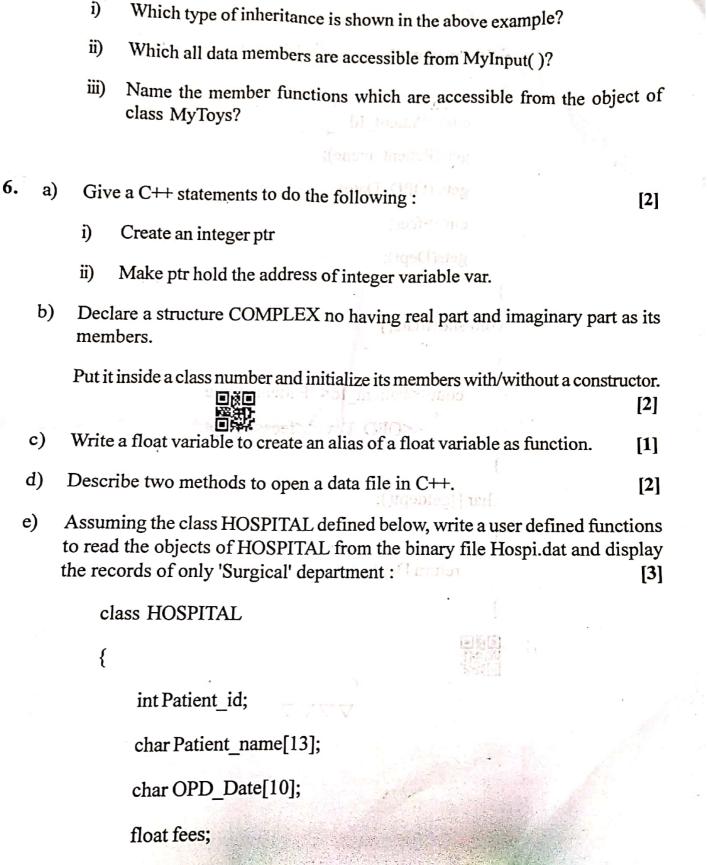
```
b) Find the syntax error from the following program. Justify each error.
                                   and primers anadous as year Chinbuter
          void exam(float a2)
          {
              cout << 'The argument is' << a2;
 Which of the following identifiers can't be used for namely but the pulsation
       a program : Heilo Sit, CP-SP, For, Bar Life 1, delaus
          void main()
       Name the besider files to which the following built-in factories halding:
              float a1 = 11.0;
              exam(a2);
          }
         Assume an integer variable num. Write a C++ statement using conditional
         operator to display 'ODD' if num is odd and "EVEN" otherwise.
                                                                               [1]
    d)
         Write the output of the following program:
                                                                               [3]
         #include<iostream.h>
         void main()
                                                       Locate Hatten
              static int i = 5;
                                                      memquenzioni
              if(i > 0)
Write a program to accept a number and pirimit castribute and of chrisis a group of the christian
                  cout << i-:
                  main();
         What is the difference between 's and 's 's operator ( five comple
```

```
Write a function VERIFY () in C++ which accepts a character as an argument
         e)
             and checks whether it is a digit or not?
                                                                           [3]
    5.
             Write a program to find the smallest number in an integer array of size 15.[4]
        a)
            Predict the output of the following program: [2]
        b)
            # include<iostream.h>
            int main (void)
                int i = 122;
                while (i! = 97)
                while (i > 65)
                printf ("% c", i);
               return 0;
           }
                                      class My Toys:Protected Toys
          Define a class 'WORLD CUP' with the following specification:
      c)
                                                                           [3]
          Private members:
                                          char mios name [10];
          MATCH ID
                                      Numeric theight soil
          Venue
                                      String
                                       int no wheels
          Date
                                     String
          Team1
                                     String
         Team2
                                     String
58/OSS/1-330-B]
                                                                     [Contd.....
                                       5
```

Public members:

- A constructor that initializes all numeric members with '0' and all string with "ABC".
- Accept() _ that accepts the entire data
- Show() _ that displays the entire data
- d) Consider the following class definition and answer the question that follow:

```
Class Toys
         char toy type[10];
     protected:
               float price;
               void cal_price(float);
          public:
               Toys();
               char choice;
               void toyinput();
               void toyshow();
};
class MyToys:Protected Toys
     char mtoy_name[10];
     float weight;
                       onsi turi
     protected:
                int no wheels;
          public:
                void my_Input();
 }
```



char Dept[20];

```
Which type of unbermance is shown in the above colldags
             The void enterdata() some statement who like deally
Name the member functions which are accessible from the object of
                        cin>>Patient Id
                         gets(Patient name);
                         gets (OPD_Date);
                         cin>>fees;
                                                  Create un interest pur
                         gets(Dept);
                            ii) Make etcheld for address of inlager variab
maginary part as its
                    void showdata()
                                      Declare a structure COMPLEX no na
                         cout << Patient_Id << Patient name
                               <<OPD Date<<fees<<Dept;
         on variable as function.
121
                                Describe two methods to open a data tilg in [
                     char [getdept();
Assuming the class HOSPITAL defined below, write a user defined functions
 to read the objects of HOSPITAL from the binary tile flospindst and digitary
                          the records of only 'Surgical' departm ;tq9C muter
                                                       class HOSPITAL
                                        \nabla \nabla \nabla \nabla
                                             char Patien. nume [13];
                                               char OPD Date[19];
                                                           float tees:
```

To Score better in NIOS and Good percentage Contact @ 1800-120-6077

58/OSS/1-330-B]

G-243

8

