Computer Application Half Yearly Exam Answer Key (FY 1046)

1 Register / RAM (inside CPU)

2) Mother Board

3) Debugging

4) Keyword

5) double

6) #

-------------------- 2 Marks Answers----------------
7 to 17 (any 9)

7. Computers Have No IQ or Decision Making Power.It works based on instruction given by Humans. So Computers are slaves

8. ASCII- American Standard Code for Information Interchange
   7 bit code,represent English keyboard characters
   Unicode-16/32 bit,reperesent all written langauages in the wold

9. Register,cache,RAM,Harddisk

10.Impact Printer – Direct Contact with paper using hammer,
   Dot Matrix Printer.
   Non Impact-Not direct contact with paper, Inkjet or others

11.Freeware :Free to use copyrighted soft wares
   Shareware : Free to use but full features not available

12.   a. Documentation
        b. Internal (comments) / external (user manual)

13.   (i) Syntax Error
        (ii) Logical Error

14.Start with alphabet or _
   No keywords,
   No special characters (any 2)

15.x=5 (assignment operator, value assign to x)
   x==5 (relational operator ,checks equal or not)

16. R Value=34.6
    Size=4 byte

17.x/=1
   y%=1

-------------------- 3 Marks Answers----------------------------
18 to 28 (any 9)

18.   1. Capturing data
        2.Input
        3.Storage
        4. Processing of data
        5. Output
        6. Distribution

19.A = 163
   B= 115
   C=73

20.a. Convert High level/Assembly language in to machine language
   b.   Assembler
           Compiler
           Interpreter (any 2 with explanation)

21.OS act as interface between user and computer
   b. Process,Memory,Device,File, Management

22. **1. Problem Identification**
     2. Algorithm & Flow Chart
     3.Coding
     4.Translation
     5.Debugging
     6.Execution & Testing
     7.Documentation

23. fundamental building blocks (words ,lexical units)
       Keyword – int
       Identifier – sum
       Literal -15
       Operator - +
       Punctuator = ; (any 4 with any eg)

24.character literal-single character within single quotes
       String literal- any characters within double quotes

25   Declaration ,Input/ Output, Assignment statements
       , any 2 with explanation / (3)

26   5/2 = 2(Error in Qn m/y)
       5==2 is 0(false)
       5>10 && 2<5 is   0(false)

27 .corrected errors from program as shown
```
   #include<iostream>
   using namespace std;
   int main()
   {
           int a,b,c;
           cout<<"Enter two numbers:";
           cin>>a>>b;
           c=a+b;
           cout<<"Sum ="<<c;
           return 0;
   }
```

28.   a. 3
       b. 3.5
       c.3

-------------------- 5 Marks Answers----------------
29 to 31 (any 2)

29 .a.Sign and Magnitude
       1's Compliment
       2's Compliment

b. -35   Binary=100011
         8bit=00100011
         1's=11011100 + 1
         2's=11011101

30. a. e waste contains harmful chemicals which affect health
    b. Reuse
       Recycle
       Land filling
       Incineration (with explanation)

31.a. Step by step procedure to solve a problem

b. any 4 characteristics of algorithm

c.