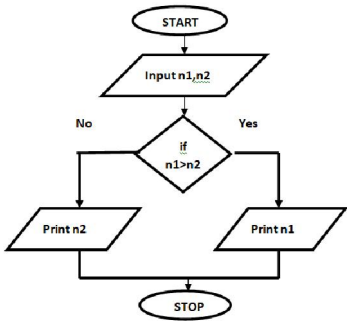
XI Computer Application Model 2025 Answer Key

1 Marks Answers 1 to 6 (any 5)

1. C. Program Counter(PC)
2. 1024
3. Debugging
4. ?:
5. do while loop
6. Tim berners Lee

2 Marks Answers 7 to 18 (any 9)

7. 117 =1110101
   8 bit = 01110101
   1's = 10001010
   2's = 10001011
8. American Standard Code for Information Interchange,
   ASCII use 7 bits It can represent all characters on
   English keyboard only , not all linguistic langauages (any 2 point)
9. Random Access Memory = fast ,volatile ,slow
   Read Only Memory = non volatile ,store boot instructions (any 2)
10. Efficient coding/ Effective analysis
    Effective synthesis /Communication (any 2)
11. 

12. Keywords (reserved words that convey specific meaning to compiler
    Identifiers – user defined names for program elements
13. 1 /true (both expression are true)
14. Use of input/output operator more than once in a statement
    Eg: cin>>a>>b;, cout<<"Sum "<<a+b;
15. x-- ,x=x-1 ,--x,x-=1 (any 2)
16. Error in Qn /
    switch(sub)
    {
    case 'A':cout <<"Arabic";break;
    case 'E':cout <<"English";break;
    default: cout <<"invalid input";
17. set of rules to be to interconnect devices on the local
    networks and the Internet
    TCP/IP ,HTTP,FTP (or any 2)
18. Common Service Centre, Kerala State WAN, State Data Centre(Any 2

3 Marks Answers 19 to 29 (any 9)

19. 101111= 57_8 = $2F_{16}$ = 47_{10}
20. a.Green Computing:Environment friendly use of computers and conne
    b.Reuse,Recycle,Incineration,Land filling (2)

21. a. Documentation
    b. Internal – . writing comments in source code for future modification
    External – preparing user manual about the program

22. Token : (fundamental building blocks / lexical units)
    Keywords,Identifiers,literals ,operators, punctuators(any 4)
23. Valid= S,n1
    invalid =if,for keyword
    Stud No, _string1: space used
    2C= started with nnumber
24. #include < iostream >
    using namespace std;
    int main ()
    {
    int a, b, c, sum;
    cout <<"Enter Three Numbers";
    cin>>a>>b>>c;
    sum = a+b+c;
    cout << sum ;
    }
25. a) int n=1;
    while(n<=1000)
    {
    cout<<n;
    n++;
    }

    b)for(int n=1;n<=10;n++)
    cout<<n; (2 mark)
26. Node : Any device connected to network
Bandwidth – amount of data transferred in specific amount of time
Noise: unwanted external signals that disturb the original data
27. fast ,easy reply, attachments, eco friendly, anytime 24x7, less expensive(any 3)
28. brings people together, plan events, business promotion,social skills
29. ***Advantages:*** It can offer variety courses ,Cost is much less , offer courses from various reputed institutions. Time and place is not a constraint (Any 3)
    Challenges: No Face to face contact , Limited interaction , Computers with high speed Internet is required,Practical in real laboratory is not possible,No special care for weak students (any 3)

5 Marks Answers 30 to 32 (any 2)

30. A.Operating System : interface between user and computer
    B. Functions: File, Process, Device, Memory management (2)
    C. Compiler: converts HLL to machine language in single run
    Interpreter: converts HLL to machine language line by line (2)

31. a. 1 2 3 4 5
    b. Initialisation : int n=1;
    Test expression : while(n<=5)
    Loop body: cout<<n<<'\t';
    Update : n++;

32. a.Topology: physical arrangement of nodes in a network (1)
    b. Bus, Star, Ring ,Mesh (any 2 with diagram and explain) 4