

XI Computer Application March 2025 Answer Key unofficial

1 Marks Answers 1 to 6 (any 5)

- 1 8
- 2 OMR
- 3 Documentation
- 4 Variable / Identifiers
- 5 10
- 6 Vint Cerf

2 Marks Answers 7 to 18 (any 9)

- 7 $175_8 = 1111101_2$
 $6A_{16} = 01101010_2$
- 8 Unicode is 16 / 32 bit code to represent all written languages
In the world.
- 9 Reuse, Recycle, Incineration, Land filling (2)
- 10 Step 1: Start
Step 2: Input Heights H1, H2
Step 3: If H1 > H2
Step 4: Print H1 is Big
Step 5: Else
Step 6: Print H2 is Big
Step 7: Stop
- 11 a. Syntax Error
b. Logical Error
- 12 Name start with letters or underscore
Don't use keywords
Don't use special characters (any 2)
- 13 a. = for assignment / store a value in variable
b. % for Modulus / Remainder during division
- 14 a. $5 - 3 * 2 / 2 = 2$
b. 0 / (false)
- 15 Implicite Type Conversion, $10 / 4.0 = 2.5$
Explicite Type Conversion, eg (float) $5 / 2 = 2.5$
- 16 If (n1 > n2)
 big = n1;
else
 big = n2;
- 17 Bluetooth : Short range communication upto 10m
Wifi : High speed network up to 110 m
(or any two features of any two unguided media)
- 18 G2C, G2E, G2G G2B

3 Marks Answers 19 to 29 (any 9)

- 19 $38 = 100110_2$
8bit = 00100110
1's = 11011001 + 1
2's = 11011010
- 20 Random Access Memory = fast , volatile , store data process by CPU
Read Only Memory = slow , non volatile , store boot instructions
- 21 a. Detect and correct errors (bug) in program code
b. Syntax Error, Logical Error, Run Time Error

- 22 Literals : 123 , "hello"
Keywords : int
Identifiers: sum
Operators: +
Punctuators: #
- 23 Unary Operator = Single operand , eg : ++ , -
Binary Operator = Two operands , eg : + , - , > , < etc
Ternary Operator = Three operand , eg ? :

```
#include < iostream >
using namespace std;
int main ()
{
    float ce1, ce2, ce3, avg;
    cout << "Enter Three CE Scores";
    cin >> ce1 >> ce2 >> ce3;
    avg = (ce1 + ce2 + ce3) / 3.0;
    cout << "Average is " << avg ;
}
```

- 24 (any 3 variable names can be used)
- 25 **switch** : Permits multiple branching, only for checking equality, when nothing matches default used
if else if ladder : Permits multiple branching, Check any relational logical condition, When no condition is true else block executes
- 26 a. Transmission Control Protocol / Internet Protocol
b. Hyper text transfer protocol
c. Domain Name System / Service
- 27 brings people together, plan and organise events, business promotion, social skills (any 3)
- 28 a. Worm (Virus)
b. Hacking
c. Spam
- 29 E Book Reader , E Text, E Content, Educational TV Channels , Online Chat (any 3 with explanation)

5 Marks Answers 30 to 32 (any 2)

- 30 a. Operating System : interface between user and computer
b. Functions: File management, Process management, Device management, Memory management
- 31 a. 2
4
b. No Output, because test condition is false
c. int i = 1;
do
{
 if (i % 2 == 0)
 cout << i << "\n";
 ++i;
} while (i < 5);
- 32 a. Topology: physical arrangement of nodes in a network (1)
b. Bus, Star, Ring , Mesh (any 4 with diagram or explain) 4