

**FIRST YEAR HIGHER SECONDARY**  
**SECOND TERMINAL EVALUATION –DEC 2018**  
**COMPUTER APPLIACATION – ANSWER KEY**

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- 1) Indian Standard Code for Information Interchange
- 2) Disc Defragmenter
- 3) Post Increment and Pre Increment
- 4) Cascading I/O operator
- 5) Bjarne Stroustrup
- 6) Escape Sequences can be used to represent Non- Graphic Symbols. Eg:- \n (New Line)
- 7) A)  $(11000)_2$       B)  $(1EA)_{16}$
- 8) Using ASCII we can represent only 256 characters but using Unicode we can represent up to 65,536 characters.
- 9) Input Devices = Mouse, OMR  
Output Devices= VDU, LCD  
Memory = Hard Disc, ROM  
Software= OS, Assembler
- 10) Freeware refers to copyrighted computer software that is available for free of charge and  
Shareware refers to commercial software that is distributed on trial basis.
- 11) b) break –it is keyword    d) day name – blank space
- 12) Tokens are the fundamental building block of the program. Keywords and Identifiers
- 13) a) 1      b) 5
- 14) 

```
if(bpay>=25000)
    da = bpay*0.5;
else
    da= bpay*0.1;
```
- 15) User Defined ,Fundamental, Derived data types (int, float, double, char, void, etc.)
- 16) Comments are used to add descriptions to the program.  
Single line Comment and Multiline Comment.
- 17) Computers are more efficient than human beings but computer doesn't have natural intelligence as human have.  
Answer it with explanation of advantages of computer. (Speed, Accuracy, etc)
- 18) (11100011)
- 19) Answer with the type modifiers signed, unsigned, long and short with explanation.
- 20) USB (Universal Serial Bus)

Advantages:- it is capable of supplying electric power to external devices

It can connect and disconnected even when the power is ON.

21) Winzip – system software

RAM- primary memory

Light Pen- Input Device

Hard Disc- Secondary Storage Device

Open Office Calc- Application Software

Plotter- Output Device

22) Better Communication, Effective analysis, Effective Synthesis and Effective coding

23) Re-use, incineration and Recycle

24) Phases in programming (problem Identification, algorithm & flow chart, coding, translation, debugging, execution, documentation)

25) Logical AND, logical OR and Logical NOT

26) Syntax Error, Logical Error and Run-Time Error

27) Switch(color)

```
case 'w': cout<<"White"; break;
```

```
case 'O': cout<<"orange"; break;
```

```
default: cout<<"wrong selection";
```

28) A) step 4:  $prod=A \times N$

Step 6:  $A=A+1$

B) Draw the flowchart to print first 10 multiples of a given number.

29) a) 20

b) Initialization – (sum=0)

Body – (sum=sum+i i=i+2)

Test Expression – (i<10)

Update expression – (i=i+2)

30. Explain Functional Unit of Computer with Block Diagram.

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