

# Computer Application March 2023 Final Exam Answer Key Unofficial (FY 446)

## ----- 1 Mark Answers----- 1 to 6 ( any 5)

- 1.16
- 2.High Definition Multimedia Interface
- 3.Logical error
- 4.Cascading / Cascading I/O
- 5.const
- 6.Mozilla Firefox

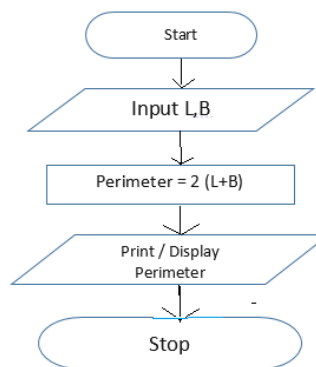
## ----- 2 Mark Answers----- 7 to 18 ( any 9)

7. a.  $38_{10} = 100110_2$   
b.  $AB_{16} = 253_8$
8. 16/32 bit code, represent all written languages in world
9. Freedom 0 -run the program,  
Freedom 1 – study,  
Freedom 2 – distribute,  
Freedom 3 – improve
10. better communication,  
effective analysis,  
effective synthesis,  
efficient coding
11. a. coding - writing program instructions using a HLL  
b. source code
12. world.cup – symbol used  
world cup – space used  
2worldcup – started using number  
break = keyword
13. 7 ( error ,not a valid C++ expression)
14. <,<=,>,>=, ==, != (any 4)
- 15.use suitable names for identifiers  
use simple and clear expression  
Use comments  
Use proper indentation , spacing
- 16.if checks a test condition and execute some codes based on the condition  
(if ... else syntax or example can consider)
17. **Hub/Switch** :connects computers of same network.  
Switch is an intelligent **devices**  
Hub- sends msg to all nodes, causes congestion  
Switch –intelligent, has address of all nodes,  
sends msg to receiver only, does not cause congestion  
(any one point each)
18. distance is no problem,  
Any time,  
saves time,  
wide choice  
(any valid 2 points for online business)

## ----- 3 Mark Answers----- 19 to 29 ( any 9)

19. Accuracy, Speed, Diligence, Versatility, Huge memory  
(any 3 with short note)
20. a. Damaged /Discarded electronic devices.  
b. **Reuse ,Recycle, Incineration, Land filling**

21.



22.

Keyword	Literals	Operators
float,long	93.5 , "Football"	+ , %

23. **void** null or empty data, 0byte  
**char** character values 1byte  
**int** integer values 4byte  
**float** real/point values 4byte  
**double** Real values(more sized).8 byte (any 3)
  24. a. Type modifier used to change the size,  
range or precision of data types,  
b. long,short,signed,unsigned
  25. switch(expression)  
{  
case value1 :statements; break;  
case value2 :statements; break;  
...  
default: statements;  
} (any example for switch can be considered)
  26. https = protocol  
hscap.kerala.gov.in = domain name  
students\_status.php = file name
  27. fast delivery ,easy to reply,, provision for attachments,  
eco friendly,any where , anytime (any 3 valid points)
  28. **1. Internet Forum (Ubuntu Forum)**  
**2. Social blogs (blogger.com, wordpress.com)**  
**3. Microblogs (twitter)**  
**4. Wikis (wikipedia)**  
**5. Social Networks(Facebook, LinkedIn)**  
**6. Content Communities (Youtube.com, flickr.com)**  
(any example for social media)
  29. ebook reader, eText, Online Chat, e Content, Educational TV channels(any 3 with explanation)
- ## ----- 5 Mark Answers----- 30 to 32 ( any 2)
30. Keyboard, Mouse, Light Pen, Touch screen, Graphic Tablet, Touchpad, Joystick, Microphone, Scanner Barcode/QR(Quick Response) Reader , MICR, Biometric sensor, Smartcard reader, Digital Camera (any 5 with brief note)
  31. a. 1 3 5 7 9 (1 mark)  
b. initialisation – int n=1  
test condition – n<=10  
updatation – n+=2  
body of loop- cout<<n<<"\t"; (2 mark)
  - c. for(int n=1;n<=10;n+=2)  
cout<<n<<"\t"; (2 mark)
  32. a. Twisted Pair (Ethernet) Cable,  
Coaxial Cable,  
Optical Fibre Cable, (3 mark)  
b. Explain any one from above (2 marks)

b. **Twisted Pair:** 2 Types, UTP (Unshielded) & STP(Shielded)  
Uses RJ45 connector

**Coaxial Cable :** Longer distances ,High bandwidth,

Thicker, Less flexible

**Optical Fiber :** Uses Light signals, high speed  
& bandwidth, less chance of errors  
(explain any 1 ) (2 mark)