



विद्या सर्वार्थ साधिका

ANANDALAYA
PERIODIC TEST – 3
Class : XI

Subject: Computer Science (083)
Date : 09-01-2023

MM : 35
Time : 1 Hr 30 Min.

General Instructions:

1. Q.No. 1 to 12 are multiple choice questions and carry 1 mark each.
2. Q.No 13 to 15 are find errors and short answer question of 2 mark each.
3. Q.No 16 to 19 carries 3 marks each.
4. Q.No 20 carries 5 marks.

1. ASCII uses _____ bits to represent characters. (1)
(A) 8 bits (B) 7 bits (C) 6 bits (D) 5 bits
2. Encoding scheme _____ was developed for standardizing the character representation. (1)
(A) Software (B) Hardware (C) ASCII (D) None of the above
3. Commonly used Unicode encoding are _____ (1)
(A) UTF-8 (B) UTF-16 (C) UTF-32 (D) All of the above
4. _____ is a three-dimensional, computer generated situation that simulates the real world. (1)
(A) Immersive experiences (B) Augmented Reality (C) Virtual Reality (D) None of these
5. The _____ is a Network of devices that have an embedded hardware and software to communicate (connect and exchange data) with other devices on the same network. (1)
(A) Internet of Things (B) Big Data (C) Model (D) None of the above
6. _____ from the cloud, a user can use the hardware infrastructure located at a remote location to configure, deploy and execute any software application on that cloud infrastructure. (1)
(A) Infrastructure as a Service (IaaS) (B) Platform as a Service (PaaS)
(C) Software as a Service (SaaS) (D) None of the above
7. A _____ is an unmanned aircraft which can be remotely controlled or can fly autonomously through software-controlled flight plans in their embedded systems, working in conjunction with onboard sensors and GPS. (1)
(A) Rover (B) Sophia (C) Drone (D) None of the above
8. Suchitra has invented a new theory in Physics. She wants to protect it legally against unauthorized use. She should take its_____. (1)
(A) Copyright (B) Patent (C) Trademark (D) None
9. Intellectual property refers to: (1)
(A) Inventions (B) Artistic expressions (C) Real estate (D) A & B
10. At lunch break Sharman forgot to log off from his email account. Later Siddharth came and get into Sharman's account. He started sending provoking messages to others. Which illegal activity Siddharth is doing. (1)
(A) Hacking (B) cyber bullying (C) plagiarism (D) Identity theft
11. Chandan found a photo of Lalu. He edited the photo to embarrass and shared it on a social media website just to threaten Lalu. What kind of crime Chandan is doing here_____. (1)
(A) Phishing (B) Cyber Bullying (C) Plagiarism (D) Identity Theft
12. Ridhima got a SMS from bank to update her debit card and to do so she shared her pin with sender and got cheated. What kind of crime happened with her? (1)
(A) Bullying (B) Spoofing (C) Phishing (D) Stacking

13. Rewrite the following code in python after removing all syntax error(s). Underline each correction done in the code. (2)
- ```
L=[23,45,54,76]
Adder ==0
for C in range(1,Val,3)
 Adder+=C
 if C%2=0:
 Print (C*10)
 Else:
 print (C*)
```
14. Rewrite the following code in python after removing all syntax error(s). Underline each correction done in the code. (2)
- ```
x={1:34,2:33,3::32}
y="two"
c=1
WHILE c < len(x)
    if c%2 = 0:
        print[ x[c],y[c] ]
        c=c+1
    Else:
        print ( y[c],y[c] )
        c=c+=2
```
15. Differentiate between *List* and *Tuple* in python. (2)
16. What will be the output produced by the following code fragment? (3)
- ```
d={0:3,1:6,2:9}
S=0
T=0
for K in d.keys():
 for J in d.values():
 S=S+K+J
 T=T+S
print(T, end='#')
```
17. What will be the output produced by the following code fragment? (3)
- ```
TXT = ("20","50","30","40")
CNT = 3
TOTAL = 0
for C in [7,5,4,6]:
    T = TXT[CNT]
    TOTAL = float(T) + C
    print (TOTAL , end="&")
    CNT-=1
```
18. Convert the following Decimal number to its equivalent binary number. (3)
- (A) 25_{10} (B) 73_{10} (C) 106_{10}
19. Convert the following Hex Decimal number to its equivalent Octal number. (3)
- (A) 25_{16} (B) $2C_{16}$ (C) $1A_{16}$
20. Write a python program to read a line of text, and display each word along with its frequency in different line (Note : each word will be displayed once) (5)