ANGEL'S PUBLIC SCHOOL

Strive for Perfection

SAMPLE PAPER
HALF YEARLY EXAMS SESSION 2021 – 22
CLASS – XI

TIME: 3 HRS   SUBJECT: COMPUTER SCIENCE CODE - 083   M.M:70

General Instructions:

(a) This question paper contains two parts A and B. Each part is compulsory.
(b) Part B has choices.
(c) Part-A has 2 sections:
   (i) Section-I has multiple type questions.
   (ii) Section-II has three case studies questions. Attempt all the sub-parts.
(d) Part-B is descriptive paper.
(e) Part-B has three sections
   (i) Section-I is short answer questions of 2 marks each in which one questions has internal option.
   (ii) Section-II is long answer questions of 3 marks each.
   (iii) Section-III is very long answer questions of 5 marks each in which one question has internal
   (iv) option.
(f) All the programming questions are to be answered using Python Language only.

PART– A
SECTION – I

Select the most appropriate option from the given alternatives.

1. Which of the following is called the brain of the computer?
   (a) processor   (b) RAM   (c) ROM   (d) hard drive
2. In a computer, CU stands for_____.
   (a) control unit   (b) cache unit   (c) calculating unit   (d) communication unit
3. Flash memory is a type of _____ memory.
   (a) primary   (b) RAM   (c) secondary   (d) all of these
4. Who is responsible for carrying out arithmetic and logic function?
5. McAffee is an example of _____ software.
   (a) antivirus   (b) virus   (c) operating system
6. Quick Heal is an example of _____.
   (a) antivirus   (b) photo editing software   (c) virus   (d) MCAfee
7. The type of fraud that involves using someone else's identity online is called _____.
   (a) phishing   (b) identity theft   (c) plagiarism   (d) cyber bullying
8. Which of the following is not a social networking site?
   (a) Twitter   (b) Instagram   (c) Gmail   (d) Facebook
9. The _____ are small text files storing small information related to your online use and habits.
   (a) cookie   (b) history   (c) IP address   (d) notification
10. To avoid the tracking by website and storing of cookies, the private browsing

opens a website in _____ mode.
  (a) private   (b) incognito   (c) standard   (d) quirks

11. Choose the correct statement.
  (a) Both the lists and tuples are immutable.
  (b) Tuples are immutable and lists are mutable.
  (c) Both the lists and tuples are mutable.
  (d) none of these

12. What will be the output of following Python code?
```
tp1=(2,3,4)
tp3= tp1*2
print(tp3)
```
  (a) (4,8,6)   (b) (2,3,4,2,3,4)   (c) (2,2,3,3,4,4)   (d) none of these

13. The _____ operator is used to join the two tuples.

14. What does the following list return?
```
L=[10,20,30,40,50,60,70]
L[1:4]
```

15. To delete a slice from a list, _____ is used.

16. What is the output of the following?
  L1=[1,2,30] and L2=[4,8,6] then L1+L2 will yield
  (a) [1,2,30,4,8,6] (b) [1,3,5,2,4,6]   (c) [3,7,11]   (d) [1,3,5[2,4,6]]

17. Negative index −1 belongs to _____ of string.
  (a) first character   (b) last character
  (c) second last character   (d) second character

18. Give the correct output of the following string operations.
```
Str1='wah'
 print (str1*2)
```

19. For strings, _____ operator performs replication.

20. The string indexes begin _____ onwards.

21. Function range (3) will yield on iterable sequence like _____.
  (a) [1,2,3]   (b) [0,1,2,3]   (c) [0,1,2]   (d) [0,2]

SECTION – II

Attempt all the sub parts.

22. Expand the terms.
  (a) RAM   (b) ROM   (c) ALU   (d) CU   (e) CPU

23. Name the input or output device used to do following.
  (a) to enter textual data _____
  (b) to make hard copy of a text file _____
  (c) to display the data and information _____
  (d) to output of an audio _____
  (e) to build 3D models _____

24. Give the output of the following.
  (a) 'hello'.isalpha()   (b) '12345'.isdigit()
  (c)'ABC123'.isupper()   (d)'abc123'.islower()

PART – B SECTION – I

25. Should you use the nicknames when you log on to the internet?

26. Explain the operations of the lists.

27. Give the output of the following.

(a) range(3,7)   (b) range(5,15,3)

28. Describe the following cyber crimes.

(a) cyber bullying   (b) cyber stalking

OR

What will be the output of the following Python code?

```
lst = [11,12,13,40,70,120,5,9]
length= len(lst)
mean=sum=0
for i in range (0, length–1):
sum+=sum/length
print("The mean of the given list is :", mean)
```

29. What is the function of CU?

30. Write the full forms of the following.

(a) RAM   (b) ROM   (c) ALU   (d) CPU

31. Write the difference between lists and tuples.

32. Solve the following.

L=[10,20,30,40,50,60]

(a) L.remove(70)   (b) L.clear()   (c) L.append(99)   (d) L.sort()

SECTION – II

33. Explain the operations of tuples.

34. What is the function of the main memory?

35. When you shop you always check the security of the website before you enter personal and credit card information. Comment.

SECTION – III

36. What is a virus? Explain the need of an anti – virus. Why do we need a secure password?

37. State the basic units of the computer. Explain.

OR

What is the difference between RAM and ROM?