



Class : XI Student's Name:Roll. No.

Subject : Computer Science Date:16/10/2020 Max. Marks: 70 Time: 3 Hrs.

Invigilator's Name:.....Sign:.....

General Instructions :

1. All the questions are compulsory.
2. Visit the website www.srvmschools.org to answer the questions.
3. Student will fill the details on answer sheet and write the test during the above given schedule.
4. The time of the Half yearly examination-2020 will be 9:00 a.m to 12:45p.m .
5. Out of all question papers of classes XI and XII, a few have been set for 80marks each while others have been set for 70 marks each. However, each question papers contain – 30% 1-mark questions; 20% of them will be MCQs and the remaining 10% questions will be case based/source based, and the rest of the questions will be subjective type. The details of marking scheme has been given on the previous page.
6. The password protected question paper will be downloaded from school Website (<https://srvmschools.org/>) by the students. A key will be provided to the students before 15 minutes of the examination schedule on the date of examination to unlock the question paper on WhatsApp Group.
7. The Students will write the test on Answer sheet provided by the school. The answers written by the students during the scheduled test date and time will be considered final. After the scheduled time, no other record of answer by the students will be taken into consideration for final evaluation.
8. A link will be provided by the school for posting of online attendance by uploading the photo of first page of filled answer sheet by the student before 5 minutes of the examination on all examination days. It is compulsory for the students of IX,X,XI and XII to remain live on video during the first hour of examination on all examination days. Students muting the video will be treated as absent. All the students must wear school uniform during the examination.
9. After writing the paper, the student will record the completion attendance at 12:45p.m without fail. The link for attendance will be available from 9:00 a.m to 12:45 p.m only.
10. The first 15 minutes have been allotted for reading this question paper. These 15 minutes have to be used by the candidates for thorough silent reading of the question paper. During this period, the students will not write any answer on the answer- book and the question paper. Write in neat and clean handwriting.
11. For assistance, the class teachers may be contacted.

Choose the Correct Answer.

(21x1=21)

1. Which type of number has fractional part? (1)
a) integer b) string c) floating point d) none of these
2. Who developed Python programming language? (1)
a) JhonBeyard b) Guido Van Vassoum c) Dennis Rechardd)Guido van Rossum
3. The _____ function converts a value to string? (1)
a) len() b) str() c)list () d)F8

4. In Which year was Python publically released? (1)
 a) 15th Feb 1991 b) 20 Feb 1991 c) 20 Feb 1990 d) 21Feb 1992
5. Which code is generated by Python, after compilation? (1)
 a) byte code b) cyte code c) binary code d) machine code
6. Which data type represent the truth value True and False? (1)
 a)integer b) Booleans c) Floating d) none of these
7. Which type of language is Python? (1)
 a) Highlevel language b) Machine language c) Binary language d) none of these
8. Which operator is used to find out reminder of the division (1)
 a) / b) + c) % d) //
9. What will be the size of the string "Reema\s"? (1)
 a) 8 b) 7 c) 9 d) all of the above
10. Is Python an object Oriented programming language? (1)
 a) yes b) no c) machine dependent d) none of these
11. What is the base of Octal number? (1)
 a) 8 b) 10 c) 7 d) none of these
12. 'A' represents to which digit in Hexadecimal number system ? (1)
 a) 9 b)10 c) 11 d) 12
13. Which characters are preceded with hexadecimal literal? (1)
 a) ox b) 0xc) ax d) none of the mentioned
14. What will be the exponent form of the real constant 17.251? (1)
 a) 0.17251E02 b) 1.7251E02 c) 17251E02 d) non of these
15. Which of the following are syntactically correct string? State reasons. (1/2)
 a) "This course is great ! " (1/2)
 b) 'She shouted "Hello !" very loudly' (1/2)
 c) "Good by" (1/2)
 d) ' this course is great' (1/2)
16. From the following , find out which assignment statement will produce an error. State reason(s) too. (1)
 a) FLOAT=50 (1)
 b) this variable=30 (1)
 c) !stdname="Ram" (1)
 d) 56number=50 (1)
 e) x=30 (1)

17. Answer the following questions:

(8x2=16)

- a) What is Decimal integer literal?
- b) What is Octal Integer literal?
- c) How many types of string are supported by python?
- d) Write the exponent form of the real constant .00031?
- e) What is computational thinking?
- f) What is decomposition?
- g) What is cross platform software?
- h) What is open source?

18. Answer the following questions. (Any five)

(5x3=15)

- a) Define Programming Language? (3)
- b) Write about the History of Python? (3)
- c) Explain all the features of Python. (3)
- d) What is dynamic typing? (3)
- e) What is algorithm? (3)
- f) What are the limitation of python? (3)

19. Answer the following questions.(Any two)

(2x4=8)

- a) What is keyword in python. Write five keyword's name. (4)
- b) What is token in python? Name the tokens available in python? (4)
- c) Identify the type of following literals. (4)
23.789, 23789, True, "True", False, " False", 0XFACE , 0o245
- d) Predict the output of the following (4)

```
x, y =7, 2  
x, y, x = x+1, y+3, x+10  
print (x,y)
```

20. Answer the following questions.(Any two)

(2x5=10)

- a) What is string literal in python. How many ways, can you create string literal in python ?Are there any difference in python? (5)
- b) What is an Identifier? What are the identifier forming rules of python? (5)
- c) How are floating point constants represented in python? Give examples to support your answer. (5)
