

Total number of printed pages: 3

NB/XII/CSC/1

2023

COMPUTER SCIENCE

Total marks : 70

Time : 3 hours

General instructions:

- i) *Approximately 15 minutes is allotted to read the question paper and revise the answers.*
- ii) *The question paper consists of 29 questions. All questions are compulsory.*
- iii) *Marks are indicated against each question.*

N.B: *Check that all pages of the question paper are complete as indicated on the top left side.*

- 1. What are identifiers? 1
- 2. For a string str1, what is str1 [3:]? 1
- 3. What is relative path? 1
- 4. What is matplotlib? 1
- 5. What is a data structure? 1
- 6. Define stack. 1
- 7. What are the ways IP4V can be expressed? 1
- 8. What is carrier sensing? 1
- 9. What are the types of messages in HTTP? 1
- 10. What is the purpose of SELECT statement in MySQL? 1
- 11. What is Plagiarism? 1
- 12. What is cyber stalking? 1
- 13. What will be the output of the given program? 2

```
def fun3 (a) :  
    print ( ' In fun' )  
    print ( 'a=' , a)  
    a=a+3  
    print ( 'a=' , a)  
a=5  
print ( 'a=', a)  
fun3 (a)  
print ( 'Back' )  
print ( 'a=' , a)
```


- (d) Explain the following layers of the OSI protocol suite.
- i) Data link layer
 - ii) Network layer
 - iii) Transport layer
 - iv) Session layer
27. State the syntax of the following terms: 4
- i) GROUP BY clause
 - ii) Having clause
 - iii) min()
 - iv) max()
28. a. Mention some important characteristics of Django. 4
- Or**
- b. Mention some advantages of Django.
29. a. State the cases where in the IT Act is not applicable. 4
- Or**
- b. Mention the scenario that may lead to Plagiarism.
