

**April 2019***Time - Three hours  
(Maximum Marks: 75)*

- (N.B: (1) Q.No. 8 in PART - A and Q.No. 16 in PART - B are compulsory.  
Answer any FOUR questions from the remaining in each PART - A and PART - B  
(2) Answer division (a) or division (b) of each question in PART - C.  
(3) Each question carries 2 marks in PART - A, 3 marks in Part - B and 10 marks in PART - C.)

**PART - A**

1. What is a compiler? Give an example for open source compiler.
2. What is the use of isset ( ) function?
3. What is the purpose of \$\_SERVER ['PHP-SELF']?
4. Write the function to send email in PHP.
5. Write any two features of Python.
6. What is the configuration file of Apache web server?
7. What is eclipse IDE?
8. What is the difference between tuple and list?

**PART - B**

9. Describe any three time accounting commands.
10. What are Linux signals? Give an example.
11. Describe the three elements which are case insensitive in PHP.
12. Define meta data. Give two examples.
13. What is the output of print str (2) if str = 'computer'?
14. List the data types in Python.
15. Describe any three open source software tools.
16. Write a note on common PHP script elements.

PART - C

17. (a) Explain the need, advantages and applications of open source software.

(Or)

- (b) Explain model driven architecture tools.

18. (a) Explain string manipulation in PHP.

(Or)

- (b) Explain form validation with an example program.

19. (a) Explain record selection technology in MySQL with an example program.

(Or)

- (b) Explain using sequences in MySQL.

20. (a) Explain (i)Fixed size lists and arrays (ii)Assignment and references in Python.

(Or)

- (b) Explain function and file handling in Python.

21. (a) Explain the history and architecture of eclipse IDE platform.

(Or)

- (b) Explain about government policy towards open source.

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