

(6 pages)

S.No. 7268

P 22 MCACC 1 A

(For candidates admitted from 2022–2023 onwards)

M.C.A. DEGREE EXAMINATION, NOVEMBER 2023.

Computer Applications — Core Choice Course

OPEN SOURCE PROGRAMMING

Time : Three hours

Maximum : 75 marks

SECTION A — (20 marks)

Answer ALL questions.

I. (A) Multiple choice questions: (5 × 1 = 5)

1. What is PHP _____

- (a) Open Source Programming language
- (b) Used to develop dynamic and interactive websites
- (c) PHP is a server-side scripting language
- (d) All of the mentioned

2. Which of the following is the default file extension of PHP files?

- (a) .php
- (b) .ph
- (c) .xml
- (d) .html

3. If there is no error, then what will the error() method return?

- (a) True
- (b) False
- (c) Empty string
- (d) 0

4. Which of the looping statements is/are supported by PHP _____

- (a) for loop
- (b) for each loop
- (c) while and do-while loop
- (d) All of the above

5. Which one of the following statements should be used to include a file _____

- (a) #include
- (b) include
- (c) @ include
- (b) # include;

(B) Fill in the blanks:

(5 × 1 = 5)

6. PHP recognizes constructors by the name _____
7. In PHP language, 'explode' is used to _____
8. MIT license stands for _____
9. Variable name in PHP starts with _____
10. What does PEAR stands for _____

II. Answer ALL questions:

(5 × 2 = 10)

11. What is a copyright law in open source technology?
12. Write any four PHP's magic constants.
13. PHPPHPPHPPHP. Which string function is used to get this type of output?
14. Why MySQL is used with PHP?
15. How are Boolean values handled differently by PHP and JavaScript?

SECTION B — (5 × 5 = 25)

Answer ALL questions, choosing either (a) or (b).

16. (a) Issues with Copyrights and Patents. Explain it.

Or

- (b) Describe Apache in regards with the following points:

(i) History

(ii) License

(iii) Applications

17. (a) Write a PHP Code to create and print a multidimensional array.

Or

- (b) What are static variables and super global variables in PHP? Give example.

18. (a) Write a short note on PHP math function.

Or

- (b) How do if and while statements interpret conditional expressions of different data types in PHP?

19. (a) How to building forms from queries?

Or

(b) Discuss any two open source database technology?

20. (a) What kinds of loops are in JavaScript? Explain in detail?

Or

(b) How to building the pagination using AJAX and PHP.

SECTION C — (3 × 10 = 30)

Answer any THREE questions.

21. What is Open Source Software (OSS)? How it is useful to Small Businesses?

22. Which are the looping controls available in PHP? Explain each with an example.

23. Write a detailed note on Exceptions and Error Handling.

24. Write a MYSQL query for the following using DATE and TIME functions:

(a) Display current date and time.

(b) Display time in 10:10:10 format.

(c) Display the name of the day of a particular date.

(d) Display the date "One Year Ago" from today's date.

25. Explain Javascript and AJAX, Javascript and DOM.