FIFTH SEMESTER B.Sc. DEGREE EXAMINATION, NOVEMBER 2019

(CUCBCSS–UG)

B.C.A.

BCA 5B 09—WEB PROGRAMMING USING PHP

(2017 Admissions)

Time : Three Hours   Maximum : 80 Marks

Part A

Answer **all** *questions.*
Each question carries 1 mark.

1. What do you mean by a dynamic web page ?
2. How do we link an external CSS file into an HTML file ?
3. Why do we need parseInt() function in Javascript ?
4. List the various scalar data types in PHP.
5. Define cookies.
6. What is the return type of pg_fetch_row() function ?
7. Write the PostgreSQL query for updating an attribute value of a particular tuple uniquely identified by primary key.
8. What is the use of frameset tag in HTML5 ?
9. What do you mean by an onBlur Javascript event ?
10. Give the formal syntax of pg_connect() PostgreSQL function.

(10 × 1 = 10 marks)

Part B

Answer **all** *questions.*
Each question carries 2 marks.

11. Explain list() function in PHP with an example.
12. Discuss on sessions in PHP.
13. Write a Javascript program for reading two integers from user using prompt windows and displaying their sum.
14. Write a short note on date object in Javacsript.
15. Write a note on strcmp() function in PHP.
16. Write a note on various types of comments in PHP.
17. What are superglobal arrays ?
18. List any four PHP functions used to retrieve result of a PostgreSQL query execution. Also, mention their return types.

(8 × 2 = 16 marks)

Turn over

Part C

Answer any **six** *questions.*
Each question carries 4 marks.

19. What are cookies ? How do we use cookies for creating sessions ? Explain with an example.

20. Explain any four Javscript events with illustration.

21. Explain frameset tag in HTML5 with an example.

22. Write a PHP script to read an integer from user and print the multiplication table of that integer. The number of rows in the multiplication tables is also input by the user.

23. List and explain any four string handling functions in PHP.

24. A hypothetical application requires scanned photographs of applicants to be uploaded to a website. The image should be in JPEG format with size less than or equal to 200 kB. Write the fragment of PHO/HTML code for implementing the above scenario.

25. Explain pass by value and pass by reference methods of parameter passing with examples.

26. Explain the execution of a SELECT query in PostgrreSQL database and displaying the result through a PHP front end.

27. Students of an educational institution has to register online for a Scholarship examination. The registration procedure requires each student to fill in details including Aadhar number, name, date and birth and address. Create a php front end for reading the student details.

(6 × 4 = 24 marks)

Part D

Answer any **three** *questions.*
Each question carries 10 marks.

28. An institution runs a PostgreSQL DBMS which is shared to two of its departments. Department A uses a database with name Dept_A which contains a table staff_info with the following structure :

Staff id (varchar(5)) Primary Key	Name (varchar(15))	Salary (int)

   (a) Write a php script to read a tuple from user (use html front end) and insert into the table.

(5 marks)

   (b) Write a php script to select a tuples from the table, which fall into a particular salary range, and display them on the webpage.

(5 marks)

29. Elaborate on various string handling functions in PHP.

30. Elaborate on various families of operators available in PHP.

31. Write an essay on various Javascript events.

32. Explain any five HTML5 input tags with illustration.

(3 × 10 = 30 marks)