

**IMSc (CS) Sem.-4 Examination  
Web Application Development**

Time : 3-00 Hours]

June-2024

[Max. Marks : 70

**Instructions:**

- Write both the Sections in the separate answer book.
- Both Sections have equal weightage.
- Draw Diagrams wherever necessary.
- Make Assumptions wherever necessary.

**SECTION – I**

- Q-1 Briefly explain following function with its syntax:** **11**
1. print() -- (1 mark)
  2. include()
  3. require()
  4. include\_once()
  5. require\_once()
  6. die()
- Q-2 Attempt the following.** **12**
1. Why do we require a file? Explain file handling functions : fgets(), unlink(), feof(), fwrite(), readfile(), fgetc()
  2. What is class? How to declare a class and use it in php. Also explain how to implement inheritance in php?

**OR**

- Q-2 Attempt the following.**
1. What is a regular expression? Explain any five regular expression functions in detail.
  2. What is a control statement? Write a note on different control statement available in php with syntax and example.
- Q-3 Attempt the following : (Any Two)** **12**
1. What is an Exception? Which are the different blocks used in php for exception handling? Explain with a syntax and example.
  2. What is a Database Management System? Explain client request and server response architecture.
  3. List out any six mathematical functions in php? Briefly explain each with syntax and examples.

(P.T.O)

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**SECTION – II**

- Q-4** Write a case study of website for online shopping. List out different modules. Different functionality of each module. Also mention database tables for each module. **11**
- Q-5** **Attempt the following :** **12**
1. Explain following string functions:  
ord(), rtrim(), substr(), strcmp(), str\_reverse(), chr()
  2. What is a prepared statement? How to implement it using PDO?
- OR**
- Q-5** **Attempt the following :**
1. What is an array? Briefly explain different types of array available in php. Also explain any three array functions.
  2. List out data types available for fields in MySQL database. Explain each briefly with sample data.
- Q-6** **Attempt the following : (Any Two)** **12**
1. What is a user defined function? Write syntax to define user defined functions and also explain how to use it with an example. Also differentiate between call by value and call by reference.
  2. Explain given mysqli functions: mysqli\_connect(), mysqli\_select\_db(), mysqli\_query(), mysqli\_fetch\_assoc(), mysqli\_num\_rows(), error\_list().
  3. What is a session? How to create and use sessions in PHP? Also mention how to delete a session in PHP. Also give one example for the same.

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