

**Term End Examination - June, 2017**  
**Diploma in Computer Applications (DCA)**

**DCA-06: APPLICATION DEVELOPMENT (2016 Syllabus)**

**Time: 3 Hours**

**Full Mark: 100**

*(Answer any **four** questions from **Group -‘A’**, any **two** questions from **Group -‘B’** and any **three** questions from **Group -‘C’**)*

**Group ‘A’**

Mark: 5 × 4= 20

*(Answer any **four** questions each within 100 words)*

Q.No.1.

- How many types of inheritance support in PHP?
- List out the predefined classes in PHP?
- What are the differences between require and include?
- Briefly explain types of errors in PHP.
- What is database? How can we create a database using PHP?
- What is a Session? Write the syntax of Session.
- What are the current versions of apache, PHP, and MYSQL?

**Group ‘B’**

Mark: 10 × 2= 20

*(Answer any **two** questions each within 250 words)*

Q.No. 2.

- What are the basic concepts of OOP? Explain briefly.
- What are the properties that are defined in an Object model?
- How can we encrypt the username and password using PHP?
- Discuss about data types used in PHP with examples.
- Write the features, advantages and disadvantages of the object oriented programming language.

**Group ‘C’**

Mark: 20 × 3= 60

*(Answer any **three** questions each within 500 words)*

Q.No.3. Explain the meaning of public, private, protected, static, transient, final and volatile.

Q.No.4. Differentiate between mysql\_connect and mysqli\_connect? Which one is the best practice for application developer and why?

Q.No.5. What are the differences between procedure-oriented languages and object-oriented languages? Write a “Hello world program” in PHP.

Q.No.6. Write the code for develop a student register page which takes (First Name, Last Name, User Name, Qualification, Gender, DOB, Address, PIN, E-Mail ID, Mobile No.) and list the student details from database.

Q.No.7. What is function? Write a function to check a number is prime or not.

Q.No.8. Write a PHP program to search for a number in an array and declare its location.