ASSIGNMENT –DCA-05, 06

for

2017-18 Admission Session

Diploma in Computer Application (DCA)

Please read the instructions carefully before attempting assignment questions.

SUBMISSION DATE

S.N.	Course Code	Course Title	Date of Submission
1	DCA-05	Database Management Systems	Sunday, 29th April 2018
2	DCA-06	Application Development using PHP	Sunday, 29th April 2018

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Odisha State Open University, Sambalpur, Odisha
Established by an Act of Government of Odisha.

ASSIGNMENTS

Course Code: DWD-05/DCA-05
Course Title: DATABASE MANAGEMENT SYSTEMS

Full Mark: 100

All Questions are compulsory and the figures in the right-hand margin indicate marks.

GROUP-'A'

Answer each Question within 500 Words **[20×2=40]**

1. What are DBMS? Write the advantage and disadvantage of database management System.
2. What is the difference between Relational Algebra and Relational Calculus? Explain any five operators in Relational Algebra with example.

GROUP-'B'

Answer each Question within 250 Words **[10×3=30]**

1. What is Normalization? Explain 1NF, 2NF and 3NF with Example.
2. What is join? Explain Different types of join used in Database with appropriate example.
3. Draw an E-R diagram for University Management System.

GROUP-'C'

Answer each Question within 100 words **[5×6=30]**

1. Notes on DBA.
2. Define different keys in DBMS with Example.
3. Difference between File processing system and DBMS.
4. What are the Components of an E-R diagram explain in details?
5. Explain different types of database Languages with Example.
6. What is Data Independence? Explain its types.

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ASSIGNMENTS

Course Code: DWD-06/DCA-06
Course Title: Application Development using PHP

Full Mark: 100

All Questions are compulsory and the figures in the right-hand margin indicate marks.

GROUP-'A'

Answer each Question within 500 Words **[20×2=40]**

1. Define Algorithm. Write an algorithm to check a number is prime or not.
2. Write a PHP Program to design a Course Registration form with Name, email, phone no., subject and gender with proper validation.

GROUP-'B'

Answer each Question within 250 Words **[10×3=30]**

1. What is Object Oriented Programming? Explain the concept of OOPs.
2. Define PHP. Write the First program of PHP with Explanation.
3. Write a PHP program to find the Area of rectangle with form.

GROUP-'C'

Answer each Question within 100 Words **[5×6=30]**

1. Describe Echo and Print Command in PHP.
2. Notes on Object data type in PHP.
3. Differentiate while and do-while loop in PHP.
4. Explain $_GET, $_POST, $_REQUEST.
5. Explain different Notation of flowchart and its use.
6. What is super global? Explain any there super global.