

P.G. DIPLOMA IN DATA SCIENCE

PG-DIPLOMA IN DATA SCIENCE – II SEMESTER Internal Assignment Questions



2023-24

PROF. G. RAM REDDY CENTRE FOR DISTANCE EDUCATION

(Recognised by the Distance Education Bureau, UGC, New Delhi.)

OSMANIA UNIVERSITY, HYDERABAD – 500 007 Telangana State INDIA

(A University with Potential for Excellence and re-accredited by NAAC with 'A⁺' grade)

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Dear Students,

All the I semester students of PG Diploma in Data Science has to write **2 Assignments** for each paper and submit **Assignment** for each paper compulsorily. Each assignment carries **30 marks**. University Examinations will be held for **70 marks**. The concerned faculty evaluates these assignment scripts. The marks awarded to you will be forwarded to the Controller of Examination, OU for inclusion in the University Examination marks. If you fail to submit Internal Assignments before the stipulated date, the internal marks will not be added to University examination marks under any circumstances. **The assignment marks will not be accepted after the stipulated date.** You are required to **pay Rs.500/- fee** towards Internal Assignment marks through online <http://oucde.net> and submit the payment receipt along with assignment at the concerned counter **on or before Exam Fee Last Date** and obtain proper submission receipt.

ASSIGNMENT WITHOUT THE PAID RECEIPT WILL NOT BE ACCEPTED

Assignments on Printed / Photocopy / Typed papers will not be accepted and will not be valued at any cost. Only hand written Assignments on A/4 size paper (one side only) will be accepted and valued.

Methodology for writing the Assignments:

1. First read the subject matter in the course material that is supplied to you.
2. If possible read the subject matter in the books suggested for further reading.
3. You are welcome to use the PGRRCDE Library on all working days including Sunday for collecting information on the topic of your assignments.
(10.30 am to 5.00 pm).
4. Give a final reading to the answer you have written and see whether you can delete unimportant or repetitive words.
5. The cover page of the each theory assignments must have information as given in FORMAT below.

FORMAT

- a. NAME OF THE COURSE :
- b. NAME OF THE STUDENT :
- c. ENROLLMENT NUMBER :
- d. NAME OF THE PAPER :
- e. DATE OF SUBMISSION : _____

6. Write the above said details clearly on every assignment paper, otherwise your paper will not be valued.
7. Tag all the assignments paper-wise and submit.
8. Submit the assignments on or before **Exam Fee Last Date** at the concerned counter at PGRRCDE, OU on any working day and obtain receipt.

**Prof.G.B.Reddy
DIRECTOR**



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OSMANIA UNIVERSITY
INTERNAL ASSIGNMENT QUESTION PAPER – 2023
PGD-DS – II SEMESTER

ASSIGNMENT – I

Paper : DDS-201

Subject : Machine Learning

Total Marks: 15

Answer the following questions (each question carries **Five** marks)

3 x 5 = 15

1. Explain the types of machine learning [5]
2. Describe linear model specifications [5]
3. Introduce the logistic regression along with its types [5]

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INTERNAL ASSIGNMENT QUESTION PAPER – 2023
PGD-DS – II SEMESTER

ASSIGNMENT – II

Paper : DDS-201

Subject : Machine Learning

Total Marks: 15

Answer the following questions (each question carries **Five** marks)

3 x 5 = 15

1. Explain decision tree building process [5]
2. Explain about the K-means algorithm [5]
3. Explain the idea of support vector machine [5]

Name of the Faculty : **Dr Humera S**
College : Nizam College



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INTERNAL ASSIGNMENT QUESTION PAPER – 2023
PGD-DS – II SEMESTER
ASSIGNMENT – I

Paper : DDS-202

Subject: Big Data Analytics

Total Marks: 15

Answer the following short questions (each question **Five** marks) **3 x 5 = 15**

1. Explain the origin of the Hadoop project. [5]
2. What is meant by Generative Adversarial Networks? Explain it. [5]
3. Discuss in brief about the implementation of map reduce concept with suitable example. [5]

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INTERNAL ASSIGNMENT QUESTION PAPER – 2023
PGD-DS – II SEMESTER
ASSIGNMENT – II

Paper : DDS-202

Subject: Big Data Analytics

Total Marks: 15

Answer the following short questions (each question **Five** marks) **3 x 5 = 15**

1. Explain Storage mechanism in HBase. Compare Row oriented and Column Oriented database structures. [5]
2. Describe the characteristics of Real-Time Systems. [5]
3. Illustrate Navigational models and relational data models. [5]

Name of the Faculty: **Dr Potu Narayana**
College: Stanley College of Engineering and Technology for Women