

# **P.G. DIPLOMA IN COMPUTER APPLICATIONS**

## **PGDCA – 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 PGDCA - II semester students of PG Diploma in Computer Application 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.300/- fee** towards Internal Assignment marks through online <http://oucde.net> and submit the payment receipt along with assignment at the concerned counter **on or 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** the concerned counter at PGRRCDE, OU on any working day and obtain receipt.

**DIRECTOR**



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**INTERNAL ASSIGNMENT QUESTION PAPER – 2023**  
**PGDCA – II SEMESTER**

**ASSIGNMENT – I**

PC: 201-IT

**Subject : Computer Networks**

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Total Marks: 15

Answer the following short questions (each question Five marks)

**3 x 5 = 15**

1. Briefly explain about OSI reference model with neat diagram and Functions of each layer [5]
2. Explain about Ethernet LAN: IEEE802.3 LAN with all the features and diagram [5]
3. write short notes on IP V4 and IP V6 including Header formats with examples [5]

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**ASSIGNMENT – II**

PC: 201-IT

**Subject : Computer Net works**

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Total Marks: 15

Answer the following short questions (each question Five marks)

**3 x 5 = 15**

1. Explain about TCP & UDP with multiplexing concepts? [5]
2. write short notes on a) FTP b) WWW c) DNS [5]
3. Explain about Routing algorithms with examples? [5]

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Name of the Faculty : **P.SUBHASHINI**  
College : MVSr Engineering College



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**ASSIGNMENT – I**

PC-202-IT      **Subject: Object Oriented Programming Using Java**

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Total Marks: 15

Answer the following short questions (each question Five marks)

**3 x 5 = 15**

1. What are the data types in Java? Explain with examples. [5]
  2. Write a Java program to reverse a given integer number. [5]
  3. With an example, differentiate method overloading and method overriding [5]
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**ASSIGNMENT – II**

PC-202-IT      **Subject: Object Oriented Programming Using Java**

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Total Marks: 15

Answer the following short questions (each question Five marks)

**3 x 5 = 15**

1. Explain about OOPs concepts in Java. [5]
2. Discuss about interfaces and packages. [5]
3. Define thread. Explain how multi threaded programming is implemented. [5]

Name of the Faculty : **K. Satyanarayana**  
College : Dept. of CSE, UCE, OU



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**ASSIGNMENT – I**

PC-203-IT

**Subject: Software Engineering**

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Answer the following short questions (each question <u>Five</u> marks)	Total Marks: 15 <b>3 x 5 = 15</b>
1. (a) Explain software Development Process Models.	[5]
(b) Illustrate Project Management Process.	
2. (a) Describe Software Requirement Specification?	[5]
(b) What is the role of Software Architecture? Explain it.	
3. Discuss Project schedule and staffing in detail.	[5]

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**ASSIGNMENT – II**

PC-203-IT

**Subject: Software Engineering**

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Answer the following short questions (each question <u>Five</u> marks)	Total Marks: 15 <b>3 x 5 = 15</b>
1. Differentiate Function oriented Design and Object Oriented Design.	[5]
2. (a) Explain programming principles and guidelines.	[5]
(b) Distinguish Black Box Testing and White box Testing.	
3. (a) Explain Software Re-engineering and Reverse Engineering	[5]
(b) Describe CMMI.	

Name of the Faculty: **K KEERTHI**  
College: Methodist College Of Engineering And Technology



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**ASSIGNMENT – I**

PC-204-IT

**Subject: Web programming**

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	Total Marks: 15
Answer the following short questions (each question <u>Five</u> marks)	<b>3 x 5 = 15</b>
1. What is list ? Explain Types of lists ?	[5]
2. Discuss about types of CSS	[5]
3. What is a event ? Explain Types of Events	[5]

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**ASSIGNMENT – II**

PC-204-IT

**Subject: Web programming**

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	Total Marks: 15
Answer the following short questions (each question <u>Five</u> marks)	<b>3 x 5 = 15</b>
1. Develop a PHP application to find factorial of a given number.	[5]
2. What are HTTP GET & PUT requests with Examples	[5]
3. Explain MVC architecture.	[5]

Name of the Faculty: **B.Ranganath Rao**  
College: University PG College, Secunderabad