

PROF. G. RAM REDDY CENTRE FOR DISTANCE EDUCATION

(RECOGNISED BY THE DISTANCE EDUCATION BUREAU, UGC, NEW DELHI)

OSMANIA UNIVERSITY

(A University with Potential for Excellence and Re-Accredited by NAAC with "A" Grade)



PGDCA – II SEMESTER
INTERNAL ASSIGNMENT QUESTIONS
P.G. Diploma in Computer Applications
(2017)

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Dear Students,

All the I 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 **20 marks**. University Examinations will be held for **80 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 DD (in favour of Director, PGRRCDE, OU) and submit the same along with assignment at the concerned counter **on or before 23rd October, 2017** and obtain proper submission receipt.

ASSIGNMENT WITHOUT THE DD 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 **23rd Oct.2017** at the concerned counter at PGRRCDE, OU on any working day and obtain receipt.

Prof.Chintha Ganesh

DIRECTOR

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PGDCA – II Semester
Assignment-I
VISUAL PROGRAMMING – CS 851

Marks : 5 x 4 = 20

Answer all the following questions

1. Write about parts of Visual C++ Program. Explain about MFC Classes
 2. Write a program to handle mouse events in Visual C++ / VB
 3. Describe about Dialogbox, RadioButtons, ListBoxes
 4. Explain about Filehandling techniques in VC++ / VB. Describe about DLL's
 5. Write short notes on Active X Controls Discuss about Database Connection in VC++ / VB
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PGDCA – II Semester
Assignment-I
DATA BASE MANAGEMENT SYSTEMS – CS 852

Marks : 5 x 4 = 20

Answer all the following questions

1. Explain the steps relating E-R Diagrams to tables. What are the functions of DBA ? Explain general constraints in DBMS
 2. Define Normalization. Explain 1NF, 2NF and 3NF with examples
 3. Explain Network data model and hierarchical data model in detail.
 4. Define the term Relation, Relationship, Relationship set, Entity, Entity set. Write DDL, DML, DCL Commands. What are views ?
 5. Explain one-one, one-many, many-one, many-many relations with neat diagrams
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PGDCA – II Semester
Assignments-I
DATA STRUCTURES– CS 853

Marks : 5 x 4 = 20

Answer all the following questions

1. Write a program for stack implementation using arrays. What is the difference between stacks and queues
 2. Write a program for polynomial arithmetic using linked lists
 3. Write a program for queue implementation using linked lists.
 4. Write short note on representation of binary trees.
 5. Explain about AVL trees with examples. Write a program for quick sort
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Assignments-I

INTERNET & INTRANET PROGRAMMING – CS 854

Marks : 5 x 4 = 20

Answer all the following questions

1. What are the building blocks of web applications ? Explain how ODBC and DGI are integrated ?
 2. Discuss about control statements in java with an example to each.
 3. Define an exception. Write a Java program to implement Exception handling.
 4. What are the internet concepts ? Explain about corporate information models in detail.
 5. Briefly discuss about AWT controls. Describe packages and interfaces.
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PGDCA – II Semester

Assignments – II

VISUAL PROGRAMMING – CS 851

Marks : 5 x 4 = 20

Answer all the following questions

1. Explain about document – view architecture in VC++
 2. Write about following
 - a) DLL
 - b) OLE object technologies
 - c) File Handling
 3. Write an application program for form handling for library application in VB.
 4. Discuss about different control statements and data types in VB
 5. Explain about database connectivity in VB or VC++
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PGDCA – II Semester

Assignments – II

Database Management Systems – CS 852

Marks : 5 x 4 = 20

Answer all the following questions

1. Explain DBTG-CODASYL model and data retrieval in network data model.
 2. Explain deadlock handling and coordination in distributed databases.
 3. Explain the terms
 - a) Entities
 - b) Entity Sets
 - c) Relationship
 - d) Relationship sets
 4. Explain the following
 - a) ARIEs
 - b) ACID Properties
 5. Explain query processing and concurrency control in distributed databases.
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PGDCA – II Semester

Assignments – II

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Data Structures – CS 853

Marks : 5 x 4 = 20

Answer all the following questions

1. Write a program for implementing quick sort
2. Write a program for polynomial arithmetic using linked lists.
3. Write a program for binary search. Write short notes on B-trees
4. Write a program for implementing merge sort
5. Write short note on
 - a) Graph representation
 - b) Graph traversals

PGDCA – II Semester

Assignments – II

Internet and Intranet – CS 854

Marks : 5 x 4 = 20

Answer all the following questions

1. Differentiate between HTTP and TCP/IP protocols
2. Write a java program to find the reverse of a give number
3. Give the overview of AWT controls. What is an exception ? Demonstrate the use of customized exceptions.
4. Explain the following
 - a) Document management
 - b) Work flow software
 - c) Groupware
 - b) FTP server
 - e) Proxy servers
 - f) Applet networking
5. What is mail server ? Explain implementation issues of it .
 - a) What is a search engine
 - b) What is firewall

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