MASTER OF COMPUTER APPLICATIONS

MCA-III YEAR
Internal Assignment Questions

2021

PROF. G. RAM REDDY CENTRE FOR DISTANCE EDUCATION

☞ Last date to submit assignment : **October 9, 2021**

PROF. G. RAM REDDY CENTRE FOR DISTANCE EDUCATION0

(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)

Dear Students,

All the students of **Master of Computer Application Program (MCA)** 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.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 9ᵗʰ October, 2021** 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

1. NAME OF THE COURSE   :_____

2. NAME OF THE STUDENT   :_____

3. ENROLLMENT NUMBER   :_____

4. NAME OF THE PAPER   : _____

6. DATE OF SUBMISSION   : _____

7. Write the above said details clearly on every assignment paper, otherwise your paper will not be valued.

8. Tag all the assignments paper-wise and submit.

9. Submit the assignments on or before **9ᵗʰ October, 2021** at the concerned counter at PGRRCDE, OU on any working day and obtain receipt.

Prof.G.B.Reddy
DIRECTOR

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MCA-III YEAR

CDE- 301   **E-COMMERCE**

ASSIGNMENT – I

Answer all the questions   **Marks : 5 x 4 = 20**

1. (a) Explain the various revenue models for selling on the web.
   (b) Differentiate between emotional and rational Marketing.
2. (a) Differentiate between Traditional and Electronic E-Commerce.
   (b) Write about Internet protocols.
3. (a) What is SWOT Analysis ? Explain in detail
   (b) Explain in detail HTML Tags.
4. Explain the various EDI transactions.
5. Explain the various revenue models for selling on the Web.

MCA-III YEAR

CDE-301   **E-COMMERCE**

ASSIGNMENT – II

Answer all the questions   **Marks : 5 x 4 = 20**

1. (a) What are the ethical issues related to electronic commerce?
   (b) Briefly describe the Taxation issues related to electronic commerce.
2. Describe the advanced functions of E-Commerce software.
3. What are digital signatures ? What type of security services are used for the transmission of data between sender and the receiver.
4. (a) Define Cryptography. What are the data security services for which Cryptography may be used?
   (b) Explain clearly the role of public and private keys in asymmetric encryption.
5. (a) Write short notes on: Payment cards and Electronic cards.
   (b) Describe the strategies for developing E-Commerce web sites.

MCA-III YEAR

CDE-302   **CLIENT SERVER PROGRAMMING**

ASSIGNMENT-I

Answer all the questions   **Marks : 5 x 4 = 20**

1. (a) What are OOPs concepts in Java?Explain them briefly?
   (b) Explain about Exception Handling and Dynamic Method Dispatching?
2. (a) Define Applet?
   (b) Explain the hierarchy of the Applet class with a diagram?Write an applet program to display a message using an applet?
   (c) Explain in detail the event classes used in Java Applets?
3. Explain the architecture of J2EE 1.4 with a neat diagram?
4. How web services are useful in J2EE?
5. (a) Explain the types of JDBC Drivers?What are the different steps needed to communicate with a database?
   (b) Write the differences between Servlets and JSP?

MCA-III YEAR

CDE-302   **CLIENT SERVER PROGRAMMING**

ASSIGNMENT-II

Answer all the questions   **Marks : 5 x 4 = 20**

1. Define Java Bean?What are the types of Enterprise beans and describe them?
2. Eplain briefly Security and JNDI?

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3. Explain the Object Management Architecture,ORB and IDL?
4. Write a short notes on SOAP?
5. Explain the importance of JAXR?

MCA-III YEAR
CDE-303　　　　　**SOFTWARE QUALITY TESTING**
ASSIGNMENT – I

Answer all the questions　　　　　　　　　　　　　　**Marks : 5 x 4 = 20**

1 . (a) Discuss the transaction flow implementation mechanism.
　　(b) What are system bugs and integration bugs.
2. Explain different categories of metrics.
3. Explain various data flow testing strategies.
4. Explain the following
　　(a) KV charts　　　　　(b) Decision tables　　(c) Stubs and Drivers.
5. Explain the following
　　(a) State testing　　　　(b) Matrix of a graph

MCA-III YEAR
CDE-303　　　　　**SOFTWARE QUALITY TESTING**
ASSIGNMENT –II

Answer all the questions　　　　　　　　　　　　　　**Marks : 5 x 4 = 20**

1. Explain basic path testing criteria.
2. Explain domain testing and Interface testing.
3. Explain structural and Hybrid metrics.
4. Explain graph matrices and applications.
5. (a) Explain the strategies for programmers and independent testers.

　　(b) Explain the tools that can be used in testing.

MCA-III YEAR
CDE-304　　　　　**WEB PROGRAMMING**
ASSIGNMENT – I

Answer all the questions　　　　　　　　　　　　　　**Marks : 5 x 4 = 20**

1. Write about meta tags and formatting tags in HTML.
2. Explain ROWSPAN,COLSPAN, Group attributes used in Table Creations.
3. a) Differentiate GET and POST methods used in form.
　　b) Explain about ACTION attribute used in form creation.
4. List out and explain about various objects and its functions provided by Java Script.
5. Explain overview of .NET Framework.

MCA-III YEAR
CDE-304　　　　　**WEB PROGRAMMING**
ASSIGNMENT –II

Answer all the questions　　　　　　　　　　　　　　**Marks : 5 x 4 = 20**

1. Explain ADO.NET Framework.
2. List out and write about Validation Controls in .NET.
3. a) Write short notes on 1.WSDL 2.SOAP
　　b)Write about namespaces, DTD, XSL in XML.
4. Explain ASP.NET page life cycle.
5. Write the advantages of Perl scripting language.

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