

INTERNAL ASSIGNMENT QUESTIONS
Advanced Diploma in Computer Applications
SEMESTER – II
2026



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)

DIRECTOR

Prof. N.Ch. Bhattacharyulu
Hyderabad – 7 Telangana State

Dear Students,

Each student has to write the answers to the Assignment questions with neat own handwriting using Blue Pen (Black Ink not allowed) for each paper. Assignments have to submit after the payment of Rs.500/- by showing the receipt of the same. If the Assignment is not submitted within stipulated time i.e. before the theory exams / last date is treated as absent.

Methodology for writing the Assignments (Instructions) :

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 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 STUDENT :
 2. ENROLLMENT NUMBER :
 3. NAME OF THE COURSE :
 4. SEMESTER (I, II, III & IV) :
 5. TITLE OF THE PAPER :
 6. DATE OF SUBMISSION :
6. Write the above said details clearly on every subject assignments paper, otherwise your paper will not be valued.
 7. Tag all the assignments paper wise and submit them in the concerned counter.
 8. Submit the assignments on or before **20-04-2026** at the concerned counter at PGRRCDE, OU on any working day and obtain receipt.

DIRECTOR

**ADVANCED DIPLOMA IN COMPUTER APPLICATIONS
INTERNAL ASSESSMENT
II SEMESTER**

PAPER – I : COMPUTER NETWORKS

ASSIGNMENT – I

Answer the following questions (each question carries three marks)

5 X 3 = 15

1. Draw and explain OSI reference model.
2. Define computer Networks, goals and its applications.
3. Explain Ethernet IEEE 802.3 LAN.
4. Discuss bit stuffing in HDLC.
5. Write a short note on Link State Routing Algorithm.

ASSIGNMENT – II

Answer the following questions (each question carries three marks)

5 X 3 = 15

1. Explain Internet working and IP addressing Technology.
2. Discuss the services provided by transport Layer.
3. Describe Congestion Control.
4. Explain Mail Transfer Mechanism.
5. Discuss Domain Name System (DNS).

**ADVANCED DIPLOMA IN COMPUTER APPLICATIONS
INTERNAL ASSESSMENT
II SEMESTER**

PAPER – II : OBJECT ORIENTED PROGRAMMING USING JAVA

ASSIGNMENT – I

Answer the following questions (each question carries three marks)

5 X 3 = 15

1. What are the benefits of object oriented development ?
2. Discuss about data types and variables in Java.
3. Write about thread class.
4. Explain about Print Writers Class.
5. Discuss about hierarchy of collection Frame Work.

ASSIGNMENT – II

Answer the following questions (each question carries three marks)

5 X 3 = 15

1. What is String tokenizer ? Write a java programme to implement the methods of string tokenizer?
2. Explain about serialization.
3. Explain the usage of Layout Managers? With example.
4. Write about string packages.
5. Explain the AWT Working with Graphics.

**ADVANCED DIPLOMA IN COMPUTER APPLICATIONS
INTERNAL ASSESSMENT
II SEMESTER**

PAPER – III : SOFTWARE ENGINEERING

ASSIGNMENT – I

Answer the following questions (each question carries three marks)

5 X 3 = 15

1. What are the challenges faced by Software Engineering ?
2. Explain Prorotype model and Iterative Development Model.
3. What is S/W Requirement Specification? Explain Structure and characteristics of SRS.
4. What are the different views of Software Architecture?
5. Explain the concept of detailed scheduling.

ASSIGNMENT – II

Answer the following questions (each question carries three marks)

5 X 3 = 15

1. What is Staffing? Explain Project Schedule.
2. Explain White Box and Block Box testing in detail.
3. What is Re-engineering? Describe steps followed by Re-engineering.
4. Explain in detail the code verification techniques in S/W Engineer.
5. Explain in detail about ideal model and spice in SPI.

**ADVANCED DIPLOMA IN COMPUTER APPLICATIONS
INTERNAL ASSESSMENT
II SEMESTER**

PAPER – IV : WEB PROGRAMMING

ASSIGNMENT – I

Answer the following questions (each question carries three marks)

5 X 3 = 15

1. What is Domain Name System?
2. Explain about HTTP methods.
3. Discuss about Document object model.
4. Write some applications of Java Script.
5. Write about data Types in PHP.

ASSIGNMENT – II

Answer the following questions (each question carries three marks)

5 X 3 = 15

1. Explain different file operation in PHP.
2. What is serviettes?
3. What are HTTP GET and PUT requests with Example.
4. Explain Advantage at Cookies.
5. Explain the life cycle of an Servlet.
