



MONAD UNIVERSITY, HAPUR (UP)

Programme: B.Tech(CS)

Semester: VI

Course: DIP

Assignment No: 1

Due date of submission: 12.03.2019

Instructions:

1. Write the responses to the assignment in your own handwriting.
2. Submit the responses to your HOD within the due date.
3. Write your Name, Programme, and Enrolment No. clearly at the top of the page.

QUES1: (A) WHAT DO YOU MEAN BY IMAGE PROCESSING, ALSO EXPLAIN IT'S SEQUENCE?

(B) STATE FUNDAMENTAL STEPS OF IMAGE PROCESSING IN DIP?

QUES2: (A) HOW IS THE CONVERSION OF ANALOG TO DIGITAL SIGNALS IS POSSIBLE?

(B) EXPLAIN GRAY LEVEL TRANSFORMATION?



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Semester: VI

Course: CNS

Assignment No: 1

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Q.1 (a): As you know, in classical cryptography, the various parameters used by a decryption algorithm are derived from the same secret key that was used in the encryption algorithm. Explain the concept of classical encryption techniques?

(b) Differentiate between active attacks and passive attacks in brief.

Q.2 (a): As we know that there are three layers of OSI network security. So can you explain the security mechanism in detail?

(b) As we know that security services are the main component to secure our data. So can you explain types of security services it will help you learn more about the topic?



MONAD UNIVERSITY, HAPUR (UP)

Programme: B.Tech(CS)

Semester: VI

Course: BTCS-314 software Engineering

Assignment No: 1

Due date of submission: 12.03.2019

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Q1 (a): Give the role of Software development life cycle in software Engineering?
(b): What is the role of Feasibility study?

Q2 (a): Explain the prototype model of software development. Differentiate it from waterfall model ?
(b): What is the Software requirement documentation? Explain the nature of good SRS ?



MONAD UNIVERSITY, HAPUR (UP)

Programme: B.Tech(CS)

Semester: VI

Course: BTCS-321 JAVA

Assignment No: 1

Due date of submission: 12.03.2019

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Q 1 (a): Explain Inheritance with one example.

(b) Define Control Structured? Explain type of Control Structure.

Q2 (a): What do you mean by Constructor. and also explain type of constructor.

(b): Explain life cycle of applet.



MONAD UNIVERSITY, HAPUR (UP)

Programme: B.Tech(CS)

Semester: VI

Course: BTCS Compiler design

Assignment No: 1

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Q1: (a) What are Programming languages? Explain in detail

(b) What is compiler? Explain all the phases of compiler in brief.

Q2: (a) Define Finite state machines with the help of suitable example.

(b) What is lexical analyzer? Explain in detail.