

BRACH: CSE

IES COLLEGE OF TECHNOLOGY, BHOPAL

M.E./ M.Tech.(1th SEM) Assignment -2

Advanced Mathematics (MCSE-101)

Date of Assignment: 18/09/14

Date of Submission: 22/11/2014

Note: 1.Question should be written in plain A-4 Size Paper.

2. Minimum 300 Word Limit for each Question.

3. Assignment will submit in stick file.

1	Short Notes: Wavelet Transform, Haar Transform. DEC-2012, JUNE 2014	DEC-2012, JUNE-2014
2	Define Following term: (a) Markov Process (b) State Transition Matrix	JUNE-2013
3	Define fuzzy sets.	JUNE-2014
4	What is MATLAB? How it is better than other programming languages.	JUNE-2013
5	A coin was tossed 400 times and the head turned up 316 times. Test the hypothesis that the coin is unbiased.	DEC-2012

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M.E./ M.Tech.(1th SEM) Assignment -2

Advance Data Structure (MCSE-102)

Date of Assignment: 18/09/14

Date of Submission: 22/11/2014

Note: 1.Minimum 300 Word Limit for each Question

1	What do you understand by doubly linked list. Write a function that removes all duplicate elements from a list. JUNE-2014	JUNE-2014
2	Find an optimal merge pattern for 11 files whose lengths are: 12,5,84,5,3,9,35,3,11. Write and explain the algorithm used and determining, its complexity.	DEC-2012
3	What is hashing? Explain in detail open addressing technique to resolve hash clashes.	JUNE-2014
4	Discuss the boundary tag method to allocate and free the variable size nodes.	JUNE-2013
5	Explain the following: (i) Parallel computing (ii) Divide and Conquer	JUNE-2013

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Advance Computer Architecture (MCSE-103)

Date of Assignment: 18/09/14

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Note: 1.Minimum 300 Word Limit for each Question

1	Explain Flynn's Classification of computer architecture. DEC-2013	JUNE-2013
2	Explain deadlock prevention and avoidance strategies in multiprocessing environment.	JUNE-2014
3	Short Notes:- (i) Scheduling and load balancing in multiprocessor? (ii) Vector processor.	JUNE-2013
4	Explain process synchronization mechanism in multiprocessor environment?	DEC-2012
5	Discuss the language features to exploit parallelism?	JUNE-2014

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M.E. / M.Tech (1th SEM) Assignment -2

OOT (MCSE-104)

Date of Assignment: 18/09/14

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Note: 1. Minimum 300 Word Limit for each Question.

1	Explain object oriented development life cycle. DEC-2013	JUNE-2013
2	Explain following terms: (i) Protected Class member (ii) Containership	JUNE-2014
3	Describe the class hierarchy provided by C++ for stream handling.	DEC-2012
4	Explain architecture of CORBA?	JUNE-2013
5	Discuss query languages for object oriented database.	JUNE-2014

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M.E./ M.Tech.(1th SEM) Assignment -2

Advance Computer Network (MCSE-105)

Date of Assignment: 18/09/14

Date of Submission: 22/11/2014

Note: 1. Minimum 300 Word Limit for each Question

1	Discuss the basic concept and architecture of TCP/IP protocols. DEC-2013	JUNE-2013
2	Give a comparative study of IPv4 and IPv6 protocol.	DEC-2012
3	Explain VPN addressing and routing methods.	JUNE-2014
4	Draw network architecture and discuss management of GSM system.	JUNE-2014
5	Short notes: (i) RLOGN (ii) CDMA	JUNE-2013