



THE MOGAVEERA VYAVASTHAPAKA MANDALI - MUMBAI

MVM Educational Campus

Creating Quality...Delivering Excellence

M V Mandali's Colleges of Commerce & Science

NAAC ACCREDITED

Affiliated to University of Mumbai

Permanently Unaided Linguistic Minority Institution

MVM Educational Campus Marg, Off Veera Desai Road, Andheri (West), Mumbai - 400 058

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Assignment for ATKT – Internal exam – October 2024.

Program : B.Sc.IT

Note:

- All assignments are to be submitted in assignment sheets only.
- All students should mention their name and allotted examination seat number on the 1st page of the assignment.
- All submissions are to be made on 11th October, 2024 from 12:00 pm to 01:00 pm only.

SEMESTER – I

SUBJECT : Programming Principles with C

ASSIGNMENT TO BE SUBMITTED TO : Mr. Sangram Singh

QUESTIONS:

- 1) Explain Keywords in C.
- 2) Describe Operators of C given as below.
 - a) Arithmetic Operators
 - b) Logical Operators.
- 3) Write a program to print numbers from 1 to n.
- 4) Explain If-else statement with example.
- 5) Write a program to demonstrate for loop.



SEMESTER - II

SUBJECT : Object Oriented Programming With C++

ASSIGNMENT TO BE SUBMITTED TO : Mr. Sangram Singh

QUESTIONS:

- 1) What is OOP's Concept and ^{explain} its advantages.
- 2) What is difference between Object Oriented Programming language and procedural language
- 3) Explain Logical Operators with example.
- 4) Write a program in C++ that represent for Loop.
- 5) Write a program in C++ which demonstrate "Armstrong number".

SUBJECT : Fundamentals of Micro Processor & Microcontrollers

ASSIGNMENT TO BE SUBMITTED TO : Mr. Divyesh Nagrecha

QUESTIONS:

- 1) Explain Subroutine
- 2) Features of 8085 microprocessors
- 3) Explain Pentium 4 processor
- 4) Explain 1, 2, 3 byte expression
- 5) Draw microprocess Architecture.



SUBJECT : Numerical Methods

ASSIGNMENT TO BE SUBMITTED TO : Mr. Divyesh Nagrecha

QUESTIONS:

- 1) Explain mathematical model
- 2) solve $x^3 - 7x^2 + 14x - 6 = 0$ [3, 2, 4]
by bisection method
- 3) Explain with example Types of Errors
- 4) Evaluate $f(x) = x^3 - 3x^2 + 5x - 10$ by using Taylor's series
- 5) Explain conservation Laws & Engineering problems.

SEMESTER - III

SUBJECT : Applied Mathematics

ASSIGNMENT TO BE SUBMITTED TO : Mr. Divyesh Nagrecha

QUESTIONS:

- 1) solve $x^7 + x^4 + x^3 + 1 = 0$
- 2) Evaluate $\int_0^{\infty} e^{-3t} + \cos 2t dt$
- 3) $L^{-1} \frac{s^0 + 3}{(s-1)(s^2 + 2s + 5)}$
- 4) Evaluate $\int_0^{\infty} \frac{x^2}{(1+x^6)^{7/2}} dx$
- 5) solve $x^2 \frac{dy}{dx} = 3x^2 - 2xy + 1$



SEMESTER - IV

SUBJECT : Introduction to Embedded Systems

ASSIGNMENT TO BE SUBMITTED TO : Mr. Divyesh Nagrecha

QUESTIONS: 1) Diff. between RISC and SISC

2) write 5 application of Embedded system

3) Explain memory testing

4) Explain simulator

5) Explain IDE

SUBJECT : Computer Graphics And Animation

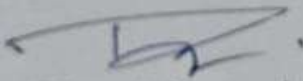
ASSIGNMENT TO BE SUBMITTED TO : Mr. Divyesh Nagrecha

QUESTIONS: 1) Explain CRT with diagram

2) Explain DPA Algorithm

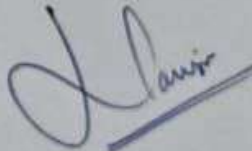
3) write a note on B-curve

4) Explain Z-buffer algorithms.


Mr. Divyesh Nagrecha

Exam In-charge (Faculty of Science)







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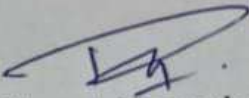
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SEMESTER - V	
SUBJECT :	Internet of Things
ASSIGNMENT TO BE SUBMITTED TO :	Mr. Divyesh Nagrecha
QUESTIONS:	<p>1) What are Flavours of IOT?</p> <p>2) Who is making of IOT?</p> <p>3) Explain Magic as metaphor</p> <p>4) Write a note on DNS</p> <p>5) Write a note on Raspberry Pi</p>


Mr. Divyesh Nagrecha
Exam In-charge (Faculty of Science)



