



ANIL NEERUKONDA INSTITUTE OF TECHNOLOGY & SCIENCES
UGC AUTONOMOUS
(Permanently Affiliated to Andhra University, Approved by AICTE, Accredited by NBA & NAAC with 'A' Grade)
SANGIVALASA -531 162, BHEEMUNIPATNAM MANDAL, VISAKHAPATNAM DT.

Date: 16-12-2020

I/IV B.TECH II-SEMESTER SUPPLEMENTARY EXAMINATIONS:

(OFFLINE EXAM) REGULATION : R19

DATE, DAY & TIME	CHEMICAL	CIVIL	EEE	MECH	ECE	CSE	IT
04/01/2021 (MONDAY) 09.30 AM – 11.45 AM	Engineering Mathematics – II	Engineering Mathematics – II	Engineering Mathematics – II	Engineering Mathematics – II	Engineering Mathematics – II	Engineering Mathematics – II	Engineering Mathematics – II
05/01/2021 (TUESDAY) 09.30 AM – 11.45 AM	Communicative English	Communicative English	Communicative English	Communicative English	Network Analysis and Synthesis	Elements of Electrical Engineering	Digital Logic Design
06/01/2021 WEDNESDAY 09.30 AM – 11.45 AM	Basic Electrical & Electronics Engineering	Engineering Geology	Basic Electronics Engineering	Basic Electronics Engineering	Engineering Physics	Engineering Physics	Engineering Physics
07/01/2021 THURSDAY 09.30 AM – 11.45 AM	Problem solving with C	Problem solving with C	Problem solving with C	Problem solving with C	Engineering Chemistry	Engineering Chemistry	Engineering Chemistry
08/01/2021 FRIDAY 09.30 AM – 11.45 AM	Physical & Analytical Chemistry	Engineering Mechanics	Fundamentals of Electrical Engineering	Advanced Engineering Drawing	Engineering Drawing	Engineering Drawing	Engineering Drawing

M ~ 16/12/2020
CONTROLLER OF EXAMINATIONS
(Prof. N.V.N Indra Kiran)
Dean & COE
ANITS
Sangivalasa
Visakhapatnam

TH
PRINCIPAL
(Prof. T. V Hanumantha Rao)
Principal
Anil Neerukonda Institute of
Technology & Sciences
Sangivalasa-531 162
Visakhapatnam Dist



ANIL NEERUKONDA INSTITUTE OF TECHNOLOGY & SCIENCES
UGC AUTONOMOUS
(Permanently Affiliated to Andhra University, Approved by AICTE, Accredited by NBA & NAAC with 'A' Grade)
SANGIVALASA -531 162, BHEEMUNIPATNAM MANDAL , VISAKHAPATNAM DT.

Date: 16-12-2020

I/IV B.TECH II-SEMESTER SUPPLEMENTARY EXAMINATIONS:

(OFFLINE EXAM) REGULATION : R15

DATE, DAY & TIME	CHEMICAL	CIVIL	CSE	ECE	EEE	IT	MECH
04/01/2021 (MONDAY) 09.30 AM – 11.45 AM	Engineering Mathematics – II	Engineering Mathematics – II	Engineering Mathematics – II	Engineering Mathematics – II	Engineering Mathematics – II	Engineering Mathematics – II	Engineering Mathematics – II
05/01/2021 (TUESDAY) 09.30 AM – 11.45 AM	Physical Chemistry	Mathematics for Civil Engineers	Engineering Physics	Applied Physics	Applied Physics	Engineering Physics	Applied Physics
06/01/2021 (WEDNESDAY) 09.30 AM – 11.45 AM	Engineering Chemistry	Engineering Chemistry	Engineering Drawing	Engineering Drawing	Engineering Chemistry	Engineering Drawing	Engineering Chemistry
07/01/2021 (THURSDAY) 09.30 AM – 11.45 AM	Introduction to Chemical Engineering	Civil Engineering Materials	Elements of Electrical Engineering	Basic Electronics Engineering	Fundamentals of EEE	Elements of Electrical Engineering	---
08/01/2021 (FRIDAY) 09.30 AM – 11.45 AM	Professional Ethics & Human Values	Professional Ethics & Human Values	Environmental Sciences	Environmental Sciences	Professional Ethics & Human Values	Environmental Sciences	Professional Ethics & Human Values

M - 16/12/2020
CONTROLLER OF EXAMINATIONS
(Prof. N.V.N Indra Kiran)
Dean & CBE
ANITS
Sangivalasa
Visakhapatnam

Prin
PRINCIPAL
(Prof. T. V Hanumantha Rao)
Principal
Anil Neerukonda Institute of
Technology & Sciences
Sangivalasa-531 162
Visakhapatnam Dist

MODEL PAPER
I/IV B.Tech II SEM SUPPLY EXAMS

ANIL NEERUKONDA INSTITUTE OF TECHNOLOGY & SCIENCES
(AUTONOMOUS)

Time: 2 hrs 15 minutes

Max Marks: 4x15m=60m

Answer **ANY FOUR Questions** one **question from each Unit**

All Questions Carry Equal Marks (15 Marks)

All parts of the question must be answered in one place only

Unit-I

1. a) What are renewable and non-renewable resources? Give examples? (7M)
b) How would environmental awareness help to protect our environment? (8M)
(Or)
2. a) What are the major causes of deforestation? (7M)
b) Mention the environmental impacts of modern agriculture? (8M)

Unit-II

3. a) Discuss the models of energy flow in an ecosystem? (7M)
b) What is Homeostasis? What are the feedback mechanisms? (8M)
(OR)
4. a) Comment upon Indian Biodiversity with special reference as a mega diversity nation? (7M)
b) What is meant by in situ and ex situ conservation of Biodiversity? Give Examples? (8M)

Unit-III

5. a) Mention some major implications of enhanced global warming? (7M)
b) Enumerate the various methods for control of air pollution? (8M)
(OR)
6. a) What are the major impacts of acid rains and how can we control it? (7M)
b) Classify solid waste? What are the sources of urban and industrial solid wastes? (8M)

Unit-IV

7. a) Define EIA? Mention some advantages? (7M)
b) What do you mean by sustainable development? What are the major measures to attain sustainability? (8M)
(OR)
8. a) What is meant by Population explosion? Discuss the Indian scenario? (7M)
b) What is Rainwater harvesting? Mention the purposes served by it? (8M)

Unit-V

9. a) Describe briefly about Silent valley project? (7M)
b) Discuss the salient features of Wildlife(Protection) Act, 1972? (8M)
(OR)
10. a) Write a short note on Stockholm Conference? (7M)
b) How do you define pollution as per Water (Prevention and Control of Pollution) Act, 1974? Mention some salient features of the Act? (8M)
