

(BESI-3T) ENGINEERING CHEMISTRY (Theory)

❖ Course Outcome:

After the completion of Course, Students will be able to.....

		Blooms Level	PO
BESI-3T	Define hardness of water and explain different water techniques to remove the hardness.	1, 2	PO 1
BESI-3T	Explain the different types of corrosion of metals and identify the methods of corrosion prevention.	2,3	PO 1, 2
BESI-3T	Explain the process of cement manufacture and state the importance of microscopic constituents of cement during construction work.	2	PO 1
BESI-3T	Define green chemistry and apply this concept in day to day life for environmental problem solving.	1, 3	PO 1,2,7

Name and Sign of Course Teacher

BESI-3P ENGINEERING CHEMISTRY (Practical)

❖ Course Outcome:

After the completion of Course, Students will be able to.....

		Blooms Level	PO
BESI-3P	To find out and compare the amount of hardness in different water samples	1, 2	PO 1,2
BESI-3P	Demonstrate the experimental skill and uses of equipments in engineering studies	2	PO 1,3

Name and Sign of Course Teacher

(BESII-3T) MATERIALS CHEMISTRY (Theory)

❖ Course Outcome:

After the completion of Course, Students will be able to.....

		Blooms Level	PO
BESII-3T	Define calorific value and explain how the calorific value of fuel is determined by Bomb or Boy's calorimeter	1, 2	PO 1
BESII-3T	What is fractional distillation? Explain the different fractions obtained during fractional distillation of crude oil with their applications.	1, 2	PO 1
BESII-3T	Analyze the various criteria for selection of lubricants for IC engine, Transformer and Steam turbine.	3	PO 1, 2
BESII-3T	Define carbon nanotubes and compare between single wall and multi wall carbon nanotubes. Enlist energy and environmental applications of carbon nanotubes.	1, 4	PO 1,7

Name and Sign of Course Teacher

BESII-3P MATERIALS CHEMISTRY (Practical)

❖ Course Outcome:

After the completion of Course, Students will be able to.....

		Blooms Level	PO
BESII-3P	To demonstrate the flash and fire point of lubricating oil using closed cup apparatus.	2	PO 1,5
BESII-3P	To analyze and compare the acid value of various oil samples.	4, 2	PO 1,2,5

Name and Sign of Course Teacher