



MEGHA INSTITUTE OF ENGINEERING AND TECHNOLOGY FOR WOMEN


(Affiliated to JNTUH & Approved by AICTE)

Sy. No. 7, Edulabad (V), Ghatkesar (M), Medchal Dist., Telangana State - 501 301.

- Ref. 2.2.1. The institution assesses the learning levels of the students and organizes special Programmes for advanced learners and slow learners

INDEX

S.No	Content	Page No.
1	List of Slow Learners	2
2	List of Advanced Learners	3
3	Remedial class timetable	4
4	Remedial class attendance	5
5	Tutorial class mentioned in the timetable	6
6	Peer learning and teaching	7-8
7	Industrial visit for advanced learners	10
8	Assignment questions for slow learners	11
9	Assignment questions for Advanced learners	12
10	Previous year Question Papers	13-16
11	Identification of slow and advanced learners other departments files	17-48


 Megha Inst. of Engy. & Tech for Women
 Edulabad, Ghatkesar (Md),
 Medchal Dist-501 301



Identification of Slow Learners and Advanced Learners

1. At the beginning of the semester each course faculty shall categorize the students as slow learners and advanced learners with the following candidates

- Performance in the previous semester examination result

No. of backlogs ≥ 2 Previous semester & percentage $< 65\%$	Slow learners
No. of backlogs < 2 Previous semester & percentage $> 65\%$	Advanced learners

- Initial assessment by course faculty at the start of semester.
- Feedback from mentor of cancelled student.
- Student participation in curricular and extracurricular activities.


Principal
Megha Inst. of Engg. & Tech for Women
Edulabad, Ghatkesar (Mdi),
Medchal Dist-501 301



Slow Learners

AY: 2020-21

Dept: EEE

Class: III

Semester: I

Basis: Beginning of the Semester: ≥ 2 Backlogs & $< 65\%$

After 3 weeks

: Assignment Marks

Completion of first Mid

: Internal Marks

Time Line			Beginning of the Semester		After 3 weeks	Completion of First Mid
S.No	Roll Number	Name of the Student	% of the last semester	Total no. of backlogs	Assignment Marks	Mid Marks
2	19RP5A0208	J.SWETHA	< 50%	2	5	17
4	19RP5A0212	K.BHAVANI	< 40%	5	5	16


Signature of the faculty


Principal
Megha Inst. of Engg. & Tech for Women
Edulabad, Ghatkesar (Mdl),
Medchal Dist-501 301



Advanced Learners


AY: 2020-21


Dept: EEE

Class: III

Semester: I

S.No	Roll Number	Name of the Student
1	19RP5A0201	BANOTH SRIDEVI
2	19RP5A0202	CHAMAKURA SHRAVANI
3	19RP5A0203	CHEERLA AISHWARYA
4	19RP5A0204	GADAGONI SUMANASRI
5	19RP5A0205	GANDHARI SUMANA
6	19RP5A0206	GODUGU MANOOSHA
7	19RP5A0207	GUNDAMALLA GEETHANJALI
8	19RP5A0209	K BHAVANI
9	19RP5A0210	K BHAVYA
10	19RP5A0211	K MOUNIKA
11	19RP5A0213	KOMPELLI PRIYANKA
12	19RP5A0214	MORIGADI USHARANI
13	19RP5A0215	NALLA NAGALAXMI
14	19RP5A0217	PADALA PRASANNA
15	19RP5A0218	PATNAM SRILATHA
16	19RP5A0219	PENDYALA BINDU
17	19RP5A0220	PENDYALA SOUMYA
18	19RP5A0221	RAGULA SAIPRIYA
19	19RP5A0222	RAJAMONI CHANDRAKALA
20	19RP5A0223	SAMUDRALA AKHILA
21	19RP5A0224	SIRASANI SAI CHANDANA


Signature of the faculty


Principal
Megha Inst. of Engg. & Tech for Women
Edulabad, Ghatkesar (Md),
Medchal Dist-501 301



SCHEDULE FOR REMEDIAL CLASSES

It is hereby informed that remedial classes for slow learners of III B.Tech – I semester are going to be conducted after completion of regular classes work as per the below mentioned timetable with effect from 28/08/2020

Remedial class timetable

Class: III B.Tech I semester -EEE

S.NO	DAY	SUBJECT NAME	NAME OF THE FACULTY	TIME	SIGNATURE
1	MONDAY	PE	Mr. Y PRADYMNA	4.00-5.00 PM	
2	TUESDAY	PS-II	Mr. G SRIKAR	4.00-5.00 PM	
4	THURSDAY	HVE	Miss. K.ANUSHA	4.00-5.00 PM	
5	FRIDAY	M&I	Mr. M SUDHEER BABU	4.00-5.00 PM	

HOD

Principal
Megha Inst. of Engg. & Tech for Women
Edulabad, Ghatkesar (Mdl),
Medchal Dist-501 301



MEGHA INSTITUTE OF ENGINEERING AND TECHNOLOGY FOR WOMEN

(Approved by AICTE & Affiliated to JNTUH)

SY. NO. 7, EDULABAD (V), GHATKESAR (M), MEDCHAL (D), TELANGANA - 501301

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

REMEDIAL CLASS ATTENDANCE ACADEMIC YEAR 2020-2021

Class: III B.Tech I semester

SUBJECT: PS-II

S.NO	ROLL NO.	02/11	03/11	5/11	9/11	10/11	12/11	17/11	20/11	23/11	01/12	03/12	04/12	08/12	10/12	14/12	21/12	22/12	28/12	01/01	05/01	08/01	15/01	
1	19RP5A0208	1	2	3	4	A	5	6	A	A	8	9	10	11	12	13	14	15	16	17	18	19	A	20
2	19RP5A0212	1	2	3	4	5	6	7	8	9	A	10	11	12	A	13	14	15	A	A	16	17	A	A

P. P. P. P.
INCHARGE

G. A. S.
HOD

PRINCIPAL
Megha Inst. of Engg. & Tech for Women
Edulabad, Ghatkesar (Mdt),
Medchal Dist-501 301



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
B.Tech III YEAR – I Semester

A.Y: 2020-2021

W.e.f:24/08/20

	1 (9.30-10.20)	2 (10.20-11.10)	3 (11.20-12.10)	4 (12.10-1.00)	LUNCH BREAK	5 (1.30-2.20)	6 (2.20-3.10)	7 (3.10-4.00)
MON	M&I	PE	PS-II	BEFA		POWER SYSTEM SIMULATION LAB		
TUE	PE	PS-II	HVE	M&I		M&I	SEMINAR	SPORTS
WED	M&I	HVE	PE	PS-II		EM&I LAB		
THUR	PE LAB			FM		BEFA	INTELECTIUAL PROPERTY RIGHTS	CO-CU
FRI	PE	HVE	M&I	BEFA		ADVANCED COMMUNICATION SKILL LAB		
SAT	PS-II	HVE	PE	BEFA		ADD ON	ADD ON	COUN

*(T)-Tutorial Concern Faculty

Class Incharge: Mrs .P. Pavani

Course Code	Course Name	Name of the Faculty	Course Code	Course Name	Name of the Faculty
EE503PE	Measurement & Instrumentation	Mr. M.Sudheer babu	EE507PC	Electrical Measuring & Instruments lab	Mr. M.Sudheer babu
EE502PE	Power Systems – II	Mr. G. Srikar	EE505PC	Power system and simulation lab	Mr. G. Srikar
EE501PE	Power Electronics	Mr. Y. Pradyumna	EE506PC	Power electronics lab	Mr. B Veeranna
SM504MS	Business Economics & Financial analysis	Mrs. K. Madhu	EN508HS	Advanced Communication Skill Lab	Mr. Jochiam Augustin
EE512PE	High Voltage Engineering	Mrs. P Pavani	*MC510	Intellectual Property Rights	Mr. sammaiah
Co-Cu	Co-Curricular Activities	Miss.k.Anusha	LIB	Library	Mr. Isaque
COUN	Student Counselling	Mr.B.Veeranna	Sports	Sports	Mr. V. Reddy
SEMINAR	Seminar	Mr.B.Veeranna	Add-on	Introduction to Smart Grid	Mr.CH. Sathyanarayana

P. Pavani
Class I/C

G.A.H
HOD

Principal
PRINCIPAL
Megha Inst. of Engg. & Tech for Women
Edulabad, Ghatkesar (M),
Medchal Dist-501 301

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
B.Tech III- I Semester

Peer learning

NAME OF STUDENT: J.SWETHA

NAME OF STUDENT: K.BHAVANI

YEAR:III-I

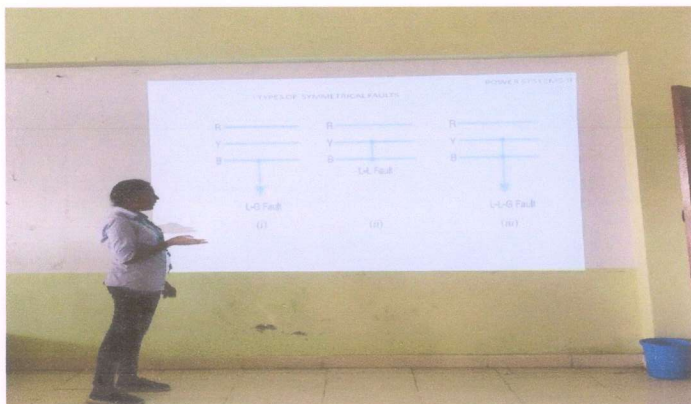
YEAR:III-I

ROLL NO.: 19RP5A0208

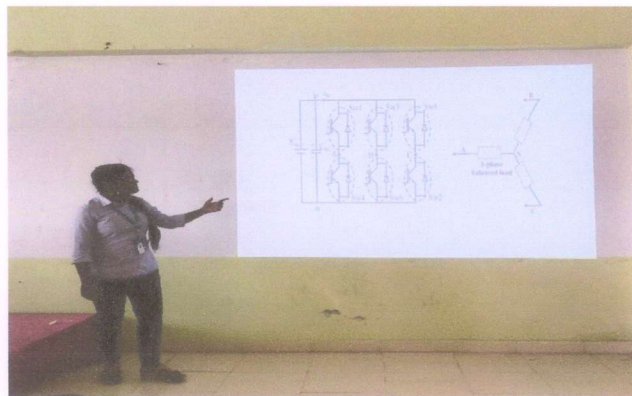
ROLL NO.: 19RP5A0212

TOPIC:SYMMETRICAL FAULTS

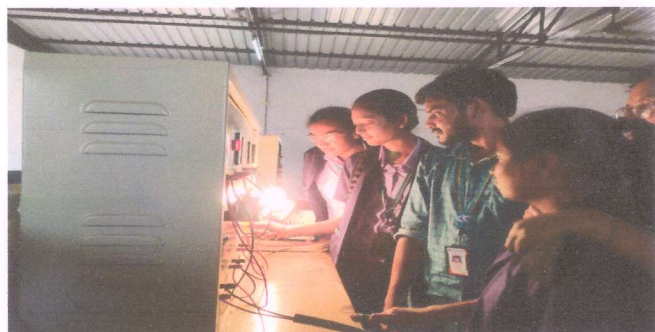
TOPIC: POWER ELECTRONICS



Student Miss J. Swetha Presenting Seminar on "Symmetrical Faults"



Student Miss K. Bhavani presenting seminar on "power electronics"



Experimental Learning by students along with faculty



Team of students involved in practical learning

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
B.Tech III- I Semester

Peer Teaching



Student and faculty involving in Peer Teaching

NAME: P SOWMYA

YEAR : III-I

ROLL NO.: 19RP5A0220


TOPIC : SPACE BASED SOLAR POWER SYSTEM


Principal
Megha Inst. of Engg. & Tech for Women
Edulabad, Ghatkesar (Med)
Medchal Dist-501 301

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



Appreciation certificate given to Miss P.Prasanna for being class topper in A.Y 2019-20


Principal
Megha Inst. of Engg. & Tech for Women
Edulabad, Ghatkesar (Md)
Medchal Dist-501 301



Industrial visit to Srisailam Power Plant



Industrial visit for students to Nagarjuna Sagar Dam-Hydel power plant)


Principal
Megha Inst. of Engg. & Tech for Women
Edulabad, Ghatkesar (Mdt),
Medchal Dist-501 301



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

MODEL QUESTIONS TO THE SLOW LEARNERS

Academic year 2020-21

YEAR: III-I

S.NO.		IMPORTANT QUESTIONS	BLOOM TAXONOMY LEVEL
1	Unit 1	1) Classification of overhead transmission line.	L2
		2) Represent equivalent T and π network.	L3
		3) Explain surge impedance loading?	L2
2	Unit 2	1) Define different methods for Voltage control?	L2
		2) Derive an expression for an uncompensated transmission line?	L2
		3) What is load compensation?	L2
		4) Write different methods for the load compensation?	L2
3	Unit 3	1) What is per unit representation in power systems?	L3
		2) Write an expression for the changing of base quantities?	L3
4	Unit 4	1) What is an Over Voltage?	L3
		2) What is insulation coordination	L2
		3) Explain different protection devices used for the over voltage protection	L3
5	Unit 5	1) Write the difference between symmetrical and unsymmetrical faults?	L3
		2) Write a expression for the Average 3-power in terms of the symmetrical components?	L2
		3) Write short circuit capacity in power systems?	L3
		4) Draw impedance and reactance network?	L2


Principal
Megha Inst. of Engg. & Tech for Women
Edulabad, Ghatkesar (Md).
Medchal Dist-501 301



MODEL QUESTIONS TO THE ADVANCED LEARNERS

Academic year 2020-21

YEAR: III-I

S.NO.		IMPORTANT QUESTIONS	BLOOM TAXONOMY LEVEL
1	Unit 1	1) Represent equivalent T and π network.	L4
		2) Compute an expression for long transmission line?	
		3) Demonstrate an expression for T and π networks?	L3
		4) Derive A, B, C, D parameters for short transmission lines?	L3
		5) Write power flow equations for the sending end and receiving end with their circle diagram?	L4
2	Unit 2	1) Derive an expression for an uncompensated transmission line?	L3
		2) Write different methods for the load compensation?	L3
3	Unit 3	1) Write an expression for the changing of base quantities?	
		2) Define and draw the waveforms for the Open circuit and short circuit transmission lines?	L4
		3) Derive an expression for voltage reflection, refraction when line is terminated with resistance?	L4
		4) Derive a expression of refraction and reflection for when the line is terminated with inductance and capacitance?	L4
		5) Derive an expression for T-junction network?	L4
4	Unit 4	1) What is an Over Voltage?	L3
		2) What is insulation coordination	L3
		3) Explain different protection devices used for the over voltage protection	L3
5	Unit 5	1) Write the difference between symmetrical and unsymmetrical faults?	L3
		2) Write a expression for the Average 3-power in terms of the symmetrical components?	L4
		3) Derive fault calculations for single line, double line and three phase systems?	L4


Principal
Megha Inst. of Engg. & Tech for Women
Edulabad, Ghatkesar (Med).
Medchal Dist-501 301

R13

Code No: 115AG

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

B. Tech III Year I Semester Examinations, May - 2018

POWER SYSTEMS-II

(Electrical and Electronics Engineering)

Time: 3 hours

Max. Marks: 75

Note: This question paper contains two parts A and B.
Part A is compulsory which carries 25 marks. Answer all questions in Part A. Part B consists of 5 Units. Answer any one full question from each unit. Each question carries 10 marks and may have a, b, c as sub questions.

PART - A**(25 Marks)**

- 1.a) List different types of conductors. [2]
- b) Briefly explain about the effect of ground on capacitance. [3]
- c) What are ABCD constants in a medium transmission line? [2]
- d) Classify the transmission lines based on the voltage. [3]
- e) What is the skin effect? [2]
- f) Distinguish between reflected and refracted waves? [3]
- g) State different types of insulators. [2]
- h) Define string efficiency. What are the various methods to improve string efficiency? [3]
- i) What are the different types of cables? [2]
- j) What are the advantages of cables compared to overhead transmission lines? [3]

PART - B**(50 Marks)**

- 2.a) A single phase, two wire transmission line 20km long, is made up of round conductors each 0.9cm in diameter, separated from each other by 45cm. Calculate the equivalent diameter of a fictitious hollow, thin-walled conductor having the same inductance as the original line. What is the value of this inductance?
- b) Briefly discuss the various types of conductor material used for overhead transmission lines. [5+5]

OR

- 3.a) Derive the inductance of 2-wire transmission line.
 - b) Derive the expression for capacitance of three phase transmission line with asymmetrical spacing. [5+5]
- 4.a) What is an equivalent π circuit model of long line? Derive expression for parameters of this circuit in terms of line parameters.
 - b) A 3 phase, 50Hz, 100km long transmission line delivers a load of 20000KW at 110KV at 0.9 power factor lagging. The copper conductors of the line are 1.2 cm in diameter and are spaced equilaterally, so that the distance between them is 2 m. Using nominal π method, calculate the sending end voltage, current, power factor, regulation and efficiency of the line. Neglect the leakage. [5+5]

OR

- 5.a) A single phase over head transmission line is transmitting 1200kW power to factory at 11kV at 0.8 P.F lag. The line resistance and loop reactance of the line are 3 ohm and 5 ohm phase. Determine i) Source voltage ii) Percentage regulation iii) Efficiency.
- b) Discuss the propagation of surges in transmission lines. [5+5]
- 6.a) Give brief about power loss due to corona.
- b) Determine the auxiliary constants of a 3-phase, 50 Hz. 200 km long transmission line having resistance, inductance and capacitance per phase per km of 0.15 ohm, 3.5 mH and 0.009 μ F respectively. [5+5]

OR

- 7.a) What is a travelling wave? Explain the development of such a wave on an overhead line.
- b) Explain about Bewley's Lattice Diagram. [5+5]
- 8.a) What is a sag-template? Explain how this is useful for location of towers and stringing of power conductors.
- b) A transmission line conductor at a river crossing is supported from two towers at height of 50 and 80 metres above water level. The horizontal distance between the towers is 300 metres. If the tension in the conductor is 2000Kg, find the clearance between the conductor and water at a point midway between the towers. Weight of conductor per metre = 0.844Kg. Assume that the conductor takes the shape of parabolic curve. [5+5]

OR

- 9.a) What is a stringing chart? Explain clearly the procedure adopted for stringing the power conductors on the supports.
- b) An overhead transmission line has a span of 220m, the conductor weighing 804 kg/km. Calculate the maximum sag if the ultimate tensile strength of the conductor is 5,758 kg. Assume safety factor 2. [5+5]
- 10.a) Derive an expression for the capacitance of a single core cable.
- b) With neat sketch explain about construction of underground cable. [5+5]

OR

- 11.a) Derive the expression for the insulation resistance of a single core cable.
- b) The insulation resistance of a single core cable is 495 M Ω /km. If the core diameter is 2.5cm and resistivity of insulation is 4.5×10^{14} Ω -cm. Find the insulation thickness. [5+5]

---ooOoo---

R13

Code No: 115AG

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

B. Tech III Year I Semester Examinations, November/December - 2018

POWER SYSTEMS-II

(Electrical and Electronics Engineering)

Time: 3 hours

Max. Marks: 75

Note: This question paper contains two parts A and B.
Part A is compulsory which carries 25 marks. Answer all questions in Part A. Part B consists of 5 Units. Answer any one full question from each unit. Each question carries 10 marks and may have a, b, c as sub questions.

PART - A**(25 Marks)**

- 1.a) What is the need for transposition of transmission lines? [2]
- b) Give brief about GMR and GMD and their significance. [3]
- c) Define surge impedance. [2]
- d) Classify and explain about transmission lines. [3]
- e) Define transient of power system. [2]
- f) Briefly explain about skin effect. [3]
- g) Give applications of sag template. [2]
- h) Write short notes on stringing chart. [3]
- i) What are the types of insulating materials used in cables? [2]
- j) Draw the neat sketch of a cable diagram and specify different parts of it. [3]

PART - B**(50 Marks)**

- 2.a) Derive the inductance of a conductor due to internal flux.
- b) In a 3 phase transmission line the conductors are placed at the corners of an equilateral triangle of each side 2.5cm. If the radius of each conductor is 0.8cm find the inductance per phase per kilometer. [5+5]

OR

3. Derive the capacitance of a 3 phase unsymmetrical overhead transmission line with and without transposed. [10]

- 4.a) Derive the A, B, C and D constants for Nominal-T model.

- b) A single phase over head transmission line is delivering 600kVA load at 2kV. It's resistance and reactance are 0.18ohm and 0.36ohm per phase. Determine the voltage regulation if the load power factor is i) 0.8 P.F lag ii) 0.8 P.F lead. [4+6]

OR

5. Derive the A, B, C and D constants of long transmission lines using Rigorous solution. [10]

- 6.a) Explain about travelling or propagation of surges and derive the mathematical expression for it.
b) How the corona forms in power systems and write the advantages and disadvantages. [5+5]

OR

- 7.a) Explain about Bewley's Lattice Diagram.
b) Explain Ferranti effect in power systems. [5+5]

- 8.a) Derive the sag expression for a transmission line with the effect of ice covering and wind pressure.
b) A transmission line has a span of 150m between level supports. The line conductor has a cross-sectional area of 1.25cm^2 and it weighs 120kg per 100 m. If the breaking stress of copper conductor is 4220 kg per cm^2 . Calculate the maximum sag for a safety factor of 4. Assume maximum wind pressure of 90 kg per m^2 . [5+5]

OR

- 9.a) Explain about the various methods to improve the string efficiency.
b) With neat sketch explain about suspension type and strain type insulators. [5+5]

- 10.a) With neat sketch explain about construction of underground cable.
b) Derive the formula of a capacitance of a single core cable. [5+5]

OR

11. Explain about different methods of grading of cables. [10]

---ooOoo---



Slow Learners

AY: 2020-21

Class: III-CIVIL

Semester: II


Basis : Beginning of the Semester: ≥ 2 Backlogs & $< 65\%$

After 3 weeks : Assignment Marks

Completion of first Mid : Internal Marks

Time Line			Beginning of the Semester		After 3 weeks	Completion of First Mid
S.No	H.T Number	Name of the Student	% of the last semester	Total no. of backlogs	Assignment Marks	Mid Marks
1	18RP1A0101	G.SHANTHI PRIYA	$< 50\%$	3	5	20
2	19RP5A0101	A.PRAVALIKA	$< 30\%$	5	5	20
3	19RP5A0102	ASMA	$< 50\%$	4	5	21
4	19RP5A0103	A.SUNITHA	$< 30\%$	5	5	22
5	19RP5A0111	D SOWMYA	$< 50\%$	4	5	22
6	19RP5A0115	G.MOUNIKA	$< 50\%$	2	5	22
7	19RP5A0116	G.SAI SINDHUJA	$< 50\%$	3	5	17
8	19RP5A0117	J.INDRAJA	$< 40\%$	2	5	21
9	19RP5A0123	K.KRISHNAVENI	$< 50\%$	3	5	19
10	19RP5A0125	M.SRAVANI	$< 50\%$	4	5	20
11	19RP5A0130	M.PRATHYUSHA	$< 50\%$	3	5	18
12	19RP5A0141	R.MADHUMATHI	$< 50\%$	3	5	18
13	19RP5A0146	U.DURGA BHAVANI	$< 40\%$	2	5	18
14	19RP5A0147	V.ANKITHA	$< 50\%$	3	5	21

G. B. J.
Signature of the faculty


Principal
Megha Inst. of Engg. & Tech for Women
Edulabad, Ghatkesar (Mdi),
Medchal Dist-501 301



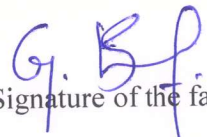
Advanced Learners

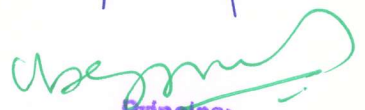
AY: 2020-21

Class: III-CIVIL

Semester: I

S.No	H.T Number	Name of the Student
1.	19RP5A0106	B.VARALAKSHMI
2.	19RP5A0107	B.AMULYA
3.	19RP5A0109	CH.NIKSHIPTHA
4.	19RP5A0110	D.LIKITHA
5.	19RP5A0112	D.MITHILASRI
6.	19RP5A0113	E.SHANTHI KUMARI
7.	19RP5A0118	J.VARDHINI
8.	19RP5A0119	J.VAISHNAVI
9.	19RP5A0121	K.JYOSHNA
10.	19RP5A0122	K.SRILEKHA
11.	19RP5A0124	K.MADHURI
12.	19RP5A0126	M.SRAVANI
13.	19RP5A0127	M.PRIYANKA
14.	19RP5A0128	M.SAI PRASANNA
15.	19RP5A0129	M.RAJANI
16.	19RP5A0131	M.ROSHINI
17.	19RP5A0132	M.MOUNIKA
18.	19RP5A0133	M.SRILATHA
19.	19RP5A0134	N.ANUSHA
20.	19RP5A0135	N.LAXMI DURGA
21.	19RP5A0136	NIKKATH BEGUM
22.	19RP5A0137	P.NEHA SADVIKA REDDY
23.	19RP5A0138	P.MOUNIKA
24.	19RP5A0139	P.BHAVANI
25.	19RP5A0140	R G THANU SREE
26.	19RP5A0143	S.JHANSI
27.	19RP5A0144	S.KALYANI
28.	19RP5A0145	T.RENUKA
29.	19RP5A0148	VISHAKHA SARDA


Signature of the faculty


Principal
Megha Inst. of Engg. & Tech for Women
Edulabad, Ghatkesar (Medchal),
Medchal Dist-501 301



SCHEDULE FOR REMEDIAL CLASSES

It is hereby informed that remedial classes for slow learners of III B.Tech – I semester are going to be conducted after completion of regular classes work as per the below mentioned timetable with effect from

Remedial Class Timetable

Class: III B.Tech II semester -CIVIL

S.NO	DAY	SUBJECT NAME	NAME OF THE FACULTY	TIME	SIGNATURE
1	MONDAY	CONCRETE TECHNOLOGY	B.SUDHAKAR	4.00-5.00 PM	
2	TUESDAY	GEOTECHNICAL ENGINEERING	G.SHIRISHA	4.00-5.00 PM	
3	THURSDAY	STRUCTURAL ANALYSIS-II	P.MADHAVI	4.00-5.00 PM	
4	FRIDAY	TRANSPORTATION ENGINEERING	M.PRIYANKA	4.00-5.00 PM	
5	SATURDAY	STRUCTURAL ENGINEERING -I (RCC)	MA AZEEM	4.00-5.00 PM	

HOD

Principal
Megha Inst. of Engg. & Tech for Women
Edulabad, Ghatkesar (Mdi),
Medchal Dist-501 301



DEPARTMENT OF CIVIL ENGINEERING

REMEDIAL CLASS ATTENDANCE ACADEMIC YEAR 2020-2021

Class: III B.Tech II Semester

SUBJECT: *Geotechnical Engg.*

S.NO	H.T NO.	17/11	24/11	1/12	8/12	15/12	22/12	29/12	5/01	19/01	02/02	09/02	09/02
1	18RP1A0101	1	2	3	A	4	5	6	7	8	9	10	11
2	19RP5A0101	1	2	3	4	5	6	7	8	9	10	11	12
3	19RP5A0102	1	2	3	A	4	5	6	7	8	9	10	11
4	19RP5A0103	A	A	1	2	3	4	5	6	7	8	9	10
5	19RP5A0111	1	2	3	4	5	6	7	8	9	10	11	12
6	19RP5A0115	1	2	A	3	4	5	6	7	8	9	10	11
7	19RP5A0116	1	2	A	A	3	4	5	6	7	8	9	10
8	19RP5A0117	A	1	2	3	4	5	6	7	8	9	10	11
9	19RP5A0123	1	2	3	4	5	6	7	8	9	10	11	12
10	19RP5A0125	1	2	3	4	5	6	7	8	9	10	11	12
11	19RP5A0130	1	A	2	3	4	5	6	A	7	8	9	10
12	19RP5A0141	1	2	3	4	5	6	7	8	9	10	11	12
13	19RP5A0146	1	2	3	4	5	6	7	8	9	10	11	12
14	19RP5A0147	1	2	3	4	5	6	7	8	9	10	11	12

G. B. J.
INCHARGE

B. J.
HOD

PRINCIPAL
W. S. M.
Principal
Megha Inst. of Engg. & Tech for Women
Edulabad, Ghatkesar (Mdi),
Medchal Dist-501 301



**DEPARTMENT OF CIVIL ENGINEERING
B.TECH III-I Time Table**

TIME / DAY	09:30-10:20	10:20-11:10	11:20-12:10	12:10-1:00		01:30-02:20	02:20-3:10	03:10-4:00
Mon	SA-II	SE-I(RCC)		TE	L U N C H	GTE	<-----ACS LAB----->	
Tue	GTE	SA-II		CT		TE	EEA	IPR
Wed	SE-I(RCC)	CT	GTE	TE		<-----GTE LAB----->		
Thu	TE	CT	EEA			TE	EEA	LIBRARY
Fri	CT	<-----HE&CT LAB----->				SE-I(RCC)	EEA	Co-Cu
sat	SE-I(RCC)	SA-II		GTE		GTE	COUN	SPORTS

A.Y 2020-21

w.e.f:01/09/20

*(T)-Tutorial Concern Faculty

Class In-charge: Ms.G.SHIRISHA

Course Code	Course Name	Name of the Faculty	Course Code	Course Name	Name of the Faculty
CE501PC	Structural Analysis-II	Mrs.P.MADHAVI	CE507PC	Geotechnical Engineering Lab	Ms.G.SHIRISHA
CE502PC	Geotechnical Engineering	Ms.G.SHIRISHA	EN508HS	Advanced Communication Skills Lab	Mr.JOACHIM AUGUSTAIN
CE503PC	Structural Engineering -I (RCC)	Mr.MA.AZEEM	*MC509	Intellectual Property Rights	CSE DEPT
CE504PC	Transportation Engineering	Mrs.M.PRIYANKA	LIB	Library	Mr.M.SHIVARAMAKRISHNA
CE511PE	Concrete Technology	Mr.B.SUDHAKAR	SPORTS	Sports	Mr. M.V. Reddy
SM505MS	Engineering Economics and Accountancy	Mr.HAFEEZ	Co-Cu	Co-Curricular Activities	Ms.G.SHIRISHA
CE506PC	Highway Engineering & Concrete Technology Lab	Mr.B.SUDHAKAR	COUN	Student Counselling	Department Faculty

G. Bp.
Class I/C

B.
HOD

Ms. G. Shirisha
PRINCIPAL

Principal
Megha Inst. of Engg. & Tech for Women
Edulabad, Ghatkesar (MdI),
Medchal Dist-501 301

DEPARTMENT OF CIVIL ENGINEERING
B.Tech III- II Semester

Peer learning

NAME OF STUDENT : A.PRAVALIKA

YEAR : III-II

ROLL NO. : 19RP5A0101

TOPIC: **Geotechnical Engineering** (Permeability)



Student giving seminar on the related topics in which they are lagging



Students with faculty involving in practical learning

NAME OF STUDENT : A.SUNITHA

YEAR : III-II

ROLL NO. : 19RP5A0103

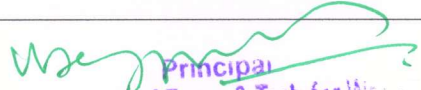
TOPIC: **Transportation Engineering** (Super Elevation)



Student giving seminar on the related topics in which they are lagging



Students with faculty involving in practical learning


Principal
Megha Inst. of Engg. & Tech for Women
Edulabad, Ghatkesar (Md),
Medchal Dist-501 301

DEPARTMENT OF CIVIL ENGINEERING

B.Tech III- I Semester

Peer Teaching

Student and faculty involving in Peer Teaching

NAME : D.SOWMYA

YEAR : III-I

ROLL NO. : 19RP5A0111

TOPIC : PREPARATION OF BORELOGS




Principal
Megha Inst. of Engg. & Tech for Women
Edulabad, Ghatkesar (M),
Medchal Dist-501 301

DEPARTMENT OF CIVIL ENGINEERING



Class Topper for Academic Year 2019-20 B.VARALAKSHMI Department of Civil Engineering has been felicitated by HOD and STAFF in the premises of students.


Principal
Megha Inst. of Engg. & Tech for Women
Edulabad, Ghatkesar (Md),
Medchal Dist-501 301


DEPARTMENT OF CIVIL ENGINEERING

MODEL QUESTIONS TO THE SLOW LEARNERS

Academic year 2020-21

YEAR: III-I

S.NO.	Unit	IMPORTANT QUESTIONS	BLOOM TOXONOMY LEVEL
1	Unit 1	1) Explain soil formation and its structure.	L2
		2) Define (a) void ratio (b) porosity (c) degree of saturation (d) percentage air voids (e) air voids	L1
		3) Explain field density methods with diagrams.	L2
		4) Explain soil composition with figures.	L2
		5) A sample of sand has avolume of 1000ml in its natural state.Its volume when compacted is 840ml.when poured in a measuring cylinder its volume is 1370ml.Determine realtive density.	L3
2	Unit 2	1) What is darcy's law? What are vits limitations?	L1
		2) Discuss open end & packer's method for the determination of coefficient of permeability.	L3
		3) A falling head permeamater if the time intervals for drop in levels from h1 to h2 to h3 are equal,prove that $h_2 = \sqrt{h_1} * \sqrt{h_3}$	L3
		4) What is flownet? Describe its properties & applications.	L1
3	Unit 3	1) Derive an expression for the vertical stress at a point due to point load using Boussnesq's theory.	L3
		2) What do you understand by Geostatic stresses? How are these determined.	L1
		3) What is compaction curve? Give its silent features.	L1
		4) Write short notes on (a) terra probe (b) vibroflotation (c) compaction by pounding.	L1
4	Unit 4	1) In a consolidation test on a soil, the void ratio is 1.25 to 1.10.when the pressure is increased from 200KN/m2 to 400KN/m2/. Calculate coefficient of consolidation if permeability is $8 * 10^{-6}$ cm/sec.	L3
		2) Discuss the limitations Trazaghi's theory.	L2
		3) Explain the theory of 3-D consolidation.	L2
5	Unit 5	1) Describe direct shear test. What are its merits and demerits.	L2
		2) What is mohr's circle? Discuss it important characteristics.	L1
		3) What is stress path? Sketch different types of stress paths that can be obtained in triaxial test.	L1
		4) Describe triaxial shear test.	L2


 Principal
 Megha Inst. of Engg. & Tech for Women
 Edulabad, Ghatkesar (Mdi),
 Medchal Dist-501 301


DEPARTMENT OF CIVIL ENGINEERING

MODEL QUESTIONS TO THE ADVANCED LEARNERS

Academic year 2020-21

YEAR: III-I

S.NO.	Unit	IMPORTANT QUESTIONS	BLOOM TOXONOMY LEVEL
1	Unit 1	1) Establish the following relationship $S_e = W_G$.	L3
		2) Derive relationship between dry density, bulk density and water content.	L3
		3) A partially saturated sample has a moisture content of 15% and bulk unit weight of 21.5 kN/m^3 . The specific gravity of solids is 2.67. Determine dry unit weight and saturated unit weight.	L3
		4) Give a relation between the void ratio and water content.	L4
		5) A sample of sand has avolume of 1000ml in its natural state. Its volume when compacted is 840ml. when poured in a measuring cylinder its volume is 1370ml. Determine realtive density.	L3
2	Unit 2	1) Differentiate between velocity head and pressure head.	L4
		2) Discuss open end & packer's method for the determination of coefficient of permeability.	L3
		3) A falling head permeamater if the time intervals for drop in levels from h_1 to h_2 to h_3 are equal, prove that $h_2 = \sqrt{h_1} * \sqrt{h_3}$	L3
3	Unit 3	1) Derive an expression for the vertical stress at a point due to point load using Boussnesq's theory.	L3
		2) Derive an expression for uniform load on rectangular area based on boussinesq's theory.	L4
		3) Derive westergaard's formula for point loads.	L4
		4) Differentiate between standard proctor test and modified proctor test.	L4
4	Unit 4	1) In a consolidation test on a soil, the void ratio is 1.25 to 1.10. when the pressure is increased from 200 kN/m^2 to 400 kN/m^2 . Calculate coefficient of consolidation if permeability is $8 * 10 \text{ cm/sec}$.	L3
		2) Differentiate between compaction and consolidation.	L4
		3) A clay layer of 5m thick has a settlement of 20mm when the stress was increased from 50 kN/m^2 to 100 kN/m^2 . What will be the settlement if the stress is increased from 100 kN/m^2 to 150 kN/m^2 for the same clay layer.	L4
5	Unit 5	1) Discuss skempton's pore pressure parameters.	L4
		2) Examine stress strain and volume change behaviour of sands.	L4
		3) Discuss about shear strengths of sands.	L4


Principal
Megha Inst. of Engg. & Tech for Women
Edulabad, Ghatkesar (Md),
Medchal Dist-501 301

R18

Code No: 155BN

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

B. Tech III Year I Semester Examinations, March - 2021

GEOTECHNICAL ENGINEERING

(Civil Engineering)

Time: 3 Hours

Max. Marks: 75

Answer any five questions
All questions carry equal marks


- - -

- 1.a) Define and distinguish the following in terms of their use in soil engineering:
i) Consistency index
ii) Relative Density
- b) A soil has water content 10%, Specific gravity 2.7 and degree of saturation 35%. Find the void ratio, porosity, bulk unit weight and dry unit weight of soil. [8+7]
- 2.a) Discuss the importance of consistency limits.
- b) A sieve analysis on a soil sample gave the following results:

Sieve size (mm)	4.75	.0	0.84	0.42	0.25	0.15	0.075
% Finer	65	55	44	30	24	15	9

Sketch the grain size distribution curve and determine the % of sand fractions as per the IS nomenclature. Also determine effective size and uniformity coefficient. [7+8]

- 3.a) Discuss the constant head method to determine coefficient of permeability of soils.
- b) Determine the average horizontal and vertical permeability of a soil mass made up of three horizontal strata. The thicknesses of each layer are 2m, 3m, and 2.5m and their respective coefficient of permeabilities are 2×10^{-5} mm/s, 4×10^{-5} mm/s, and 9×10^{-3} mm/s. [7+8]
- 4.a) Discuss the effective stress concept of Terzaghi and define (i) neutral stress and (ii) effective stress.
- b) For a homogeneous earth dam having water head 26m, a flow net was constructed with four flow channels. The number of potential drops was 12. The dam has a horizontal filter at the base near the toe. The coefficient of permeability of the soil was 2×10^{-4} mm/s. Determine the anticipated seepage, if the length of the dam is 3 m. Assume no tail water level at the downstream. [8+7]
- 5.a) Define pressure bulb. Discuss the variation of vertical stress due to point load along horizontal and vertical plane.
- b) An annular circular raft has outer and inner diameters as 12m and 8m respectively. If the load intensity on the raft is 150 kPa, estimate the increase in vertical stress at a depth of 4m and 6m from the ground surface and exactly below the centre of the raft. [7+8]
- 6.a) Discuss the following: (i) Zero air void line, (ii) Degree of compaction.
- b) Discuss the factors affecting compaction. [8+7]


Principal
Megha Inst. of Engg. & Tech for Women
Eduatabad, Ghatkesar (Md),
Medchal Dist-501 301

Code No: 155BN

R18

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

B. Tech III Year I Semester Examinations, September - 2021

GEOTECHNICAL ENGINEERING

(Civil Engineering)

Time: 3 Hours


Max. Marks: 75

Answer any five questions
All questions carry equal marks

- 1.a) Derive the relation between void ratio and porosity for i) dry soil mass ii) fully saturated soil mass.
- b) A soil sample in its undisturbed state was found to have volume of 105cm^3 and mass of 201g. After oven drying the mass got reduced to 168g. compare i) water content ii) void ratio iii) Porosity iv) degree of saturation v) air content. Take specific gravity of solids as 2.7. [7+8]
- 2.a) Discuss the purpose of soil classification.
- b) The oven dry weight of clay pat was 0.12N. Its volume was determined by immersion in mercury and the weight displaced by mercury was 0.81N. Solve for the shrinkage limit of clay assuming $G = 2.65$. [7+8]
- 3.a) Identify Darcy Law and mention its limitations.
- b) On a certain site, there are three horizontal soil layers, down to an impermeable rock bed, the details of which are as follows
Layer A: Thickness = 3.50m; $k = 2.50 \times 10^{-5}$ m/s;
Layer B: thickness=1.80m; $k=140 \times 10^{-7}$ m/s; Layer C: thickness=4.20m;
 $k = 5.60 \times 10^{-3}$ m/s, solve for the average horizontal and vertical permeability of the soil. [7+8]
- 4.a) Elaborate the concept of total, neutral and effective stresses.
- b) A sand stratum is 10m thick. The water table is 2m below the ground level. The unit weights of sand layer above and below the water table are 17 kN/m^3 and kN/m^3 respectively. The capillary rise above water table is 1m. Draw the effective stress, pore pressure and total stress diagrams for the sand stratum. [7+8]
- 5.a) Discuss about Boussinesq's theory with assumptions. 2021
- b) An elevated structure with a total load of 1200kN is supported on four legs. The legs rest on piers located at the corners of a square of side 7.5m. Solve for the vertical stress increment at a point 6m below the centre of the structure. [8+7]
- 6.a) Discuss about standard Proctor's compaction test.
- b) In a standard proctor test the mould of 1 litre capacity weighs 12.5N when empty. successive trials gave the following results.

Weight of mould + wet soil (N)	29.6	30.1	31.5	31.2	30.8
Water content (%)	16.7	18.6	21.0	21.7	23.5

Determine maximum dry density and Optimum water content. [7+8]


Principal
Megha Inst. of Engg. & Tech for Women
Edulabad, Ghatkesar (Mdi),
Medchal Dist-501 304



Slow Learners

AY: 2020-21

Dept: ECE Class: II

Semester: II

Basis

: Beginning of the Semester: ≥ 2 Backlogs & $< 65\%$

After 3 weeks

: Assignment Marks

Completion of first Mid

: Internal Marks

Time Line			Beginning of the Semester		After 3 weeks	Completion of First Mid
S.No	Roll Number	Name of the Student	% of the last semester	Total no. of backlogs	Assignment Marks	Mid Marks
1	18RP1A0405	P.ANUSHA	<30%	5	5	21
2	19RP1A0402	A.AKILA	<30%	5	5	22
3	19RP1A0403	ANDE.PRATHUSHA	< 30%	5	5	22
4	19RP1A0418	K.SANDHYA	<30%	5	5	21
5	19RP1A0420	M.SHARANPRIYA	< 40%	4	5	18
6	19RP1A0425	P.HIMAJA	< 30%	5	5	17
7	19RP1A0427	P.SAI MANUSHA	< 40%	4	5	24
8	19RP1A0431	SARMILA THAPA	<30%	5	5	17
9	20RP5A0418	POOSA SRAVANI	<40%	4	5	23
10	20RP5A0422	TEROJI SRIVANI	<40%	4	5	22

Principal

Megha Inst. of Engg. & Tech for Women
Edulabad, Ghatkesar (Mdi),
Medchal Dist-501 301

T. Navya.
Signature of the faculty



Advanced Learners

AY: 2020-21

Class: II-ECE

Semester : II

S.No	Roll Number	Name of the Student
1	19RP1A0401	ADEPU RAMYA
2	19RP1A0404	ANREDDY RENUKA
3	19RP1A0405	ARROJU SRIHAMPI
4	19RP1A0406	B MAMATHA
5	19RP1A0407	BANDA VAISHNAVI
6	19RP1A0408	BICHALA DIVYA
7	19RP1A0409	BOGALA VANDANA
8	19RP1A0410	CHETRIPALLY VASUDHA
9	19RP1A0411	CHUKKALA BUMIKA
10	19RP1A0412	DAVNOORU HEMALATHA
11	19RP1A0413	DEEPA REDDY KANDALA
12	19RP1A0414	DESHETTI LAVANYA
13	19RP1A0415	GANTI VALLI SUSHMITHA
14	19RP1A0416	JULI KUMARI
15	19RP1A0417	KATRADDI DIVYA BENARJI
16	19RP1A0419	KONKA USHA SRI
17	19RP1A0421	MADURI REKHA
18	19RP1A0422	MAMEDI BHAVANA
19	19RP1A0423	NAGAM VANI
20	19RP1A0424	NAYINI RISHIKA REDDY
21	19RP1A0426	PALLI NAMITHA DEVI
22	19RP1A0428	REDDY HARIKA
23	19RP1A0429	SAMALA SAI LAXMI
24	19RP1A0430	SARIKONDA SREELAXMI
25	19RP1A0432	SIRIPURAM NANDINI
26	19RP1A0433	SONY TEEGALA
27	19RP1A0434	SRIRAMULU SRUJANA

28	19RP1A0435	TATIPALLY PRAVALIKA
29	19RP1A0436	THALLA SOWMYA
30	19RP1A0437	THANNIRU SHIREESHA
31	19RP1A0438	THOTA PAVANI
32	19RP1A0439	UGGI POOJA
33	19RP1A0440	V HEMALATHA
34	19RP1A0441	SUMANTIWARI
35	19RP1A0442	VASAVI PINNAMANENI
36	19RP1A0443	VUYYURU YAMINI SARASWATHI
37	20RP5A0401	K.AKANKSHA
38	20RP5A0402	AMREEN
39	20RP5A0403	BIMARI REVATHI
40	20RP5A0404	BONAGARI KIRANBEDI
41	20RP5A0405	BONTHA PAVANI
42	20RP5A0406	CH HARIKA
43	20RP5A0407	CHINNAM RAMYA
44	20RP5A0408	DARIPALLY SHIRISHA
45	20RP5A0409	GANNOJU ARCHANA
46	20RP5A0410	GUDURU KAVYA SRI
47	20RP5A0411	KOMMANA AKHILA
48	20RP5A0412	KORUTLA TEJASHWINI
49	20RP5A0413	M.SRUTHI REDDY
50	20RP5A0414	MADASU RENU SRI
51	20RP5A0415	NARAGONI AKSHAYA
52	20RP5A0416	P.AKHILA
53	20RP5A0417	PALIDI BHAVANI
54	20RP5A0419	REGULA AKHILA
55	20RP5A0420	SAMBA RAGHUNAND KEERTHANA
56	20RP5A0421	SURAKANTI NIHARIKA
57	20RP5A0423	VAKITI MOUNIKA


 Principal
 Megha Inst. of Engg. & Tech for Women
 Edulabad, Ghatkesar (Mdi),
 Medchal Dist-501 301

T. Nayya
 Signature of the faculty



SCHEDULE FOR REMEDIAL CLASSES

It is hereby informed that remedial classes for slow learners of III B.Tech – I semester are going to be conducted after completion of regular classes work as per the below mentioned timetable with effect from

Remedial class timetable

Class: II B.Tech II semester -ECE

S.NO	DAY	SUBJECT NAME	NAME OF THE FACULTY	TIME	SIGNATURE
1	MONDAY	LTNM	A.SIDDESHWAR	4.00-5.00 PM	
2	TUESDAY	ADC	S.SURENDRA	4.00-5.00 PM	
4	THURSDAY	ECA	T.NAVYA	4.00-5.00 PM	
5	FRIDAY	EFW	K.SRINIVAS	4.00-5.00 PM	
6	SATURDAY	LICA	P.ANJALIAH	4.00-5.00 PM	

HOD

Principal
Megha Inst. of Engg. & Tech for Women
Edulabad, Ghatkesar (Mdr),
Medchal Dist-501 301



MEGHA INSTITUTE OF ENGINEERING AND TECHNOLOGY FOR WOMEN

(Approved by AICTE & Affiliated to JNTUH)

SY. NO. 7, EDULABAD (V), GHATKESAR (M), MEDCHAL (D), TELANGANA - 501301

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

REMEDIAL CLASS ATTENDANCE ACADEMIC YEAR 2020-2021

Class: III B.Tech I semester

SUBJECT: LICA

S.NO	ROLL NO.	5/11	9/11	13/11	4/12	8/12	10/12	11/12	21/12	22/12	29/12	4/01	8/01
1	18RP1A0405	1	2	3	4	5	A	6	7	8	9	A	10
2	19RP1A0402	1	2	3	4	A	5	6	7	8	A	9	10
3	19RP1A0403	1	A	2	3	4	5	6	A	7	A	8	9
4	19RP1A0418	1	2	3	A	4	5	A	6	7	A	8	9
5	19RP1A0420	1	2	A	3	4	A	5	A	6	7	8	9
6	19RP1A0425	1	A	2	3	4	5	A	6	7	A	8	9
7	19RP1A0427	1	2	3	4	A	5	6	7	8	A	9	10
8	19RP1A0431	1	2	3	A	A	A	5	6	7	A	8	9
9	20RP5A0418	1	2	A	3	4	5	6	7	A	8	9	A
10	20RP5A0422	1	2	3	4	5	6	7	A	A	A	8	9

T. Navin
INCHARGE

← →

HOD

PRINCIPAL

Megha Inst. of Engg. & Tech for Women
Edulabad, Ghatkesar (Mdl),
Medchal Dist-501 301

ca



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
B.Tech II- II Semester **A.Y 2020-21**

w.e.f : 22/03/21

TIME / DAY	09:30-10:20	10:20-11:10	11:20-12:10	12:10-1:00	L U N C H	01:30-02:20	02:20-3:10	03:10-4:00
Mon	ECA	LICA	EFW	ADC		LTNMC	LTNMC	LIB
Tue	←-----ICA/ ECA LAB----- -----→			LTNMC		ADC	EFW	ADDON/AEC
Wed	ADC	LTNMC	LICA	EFW		ECA	ECA	ADDON/AEC
Thu	←-----ECA/ADC LAB - -----→			EFW		LICA	←-----CO-CU-----→	
Fri	LICA	ADC(T)	LTNMC(T)	ECA		←-----GS LAB--- -----→		SPORTS
Sat	←-----ADC/LICA LAB-- -----→			LTNMC		ADC	COUN	SEMINAR

*(T)-Tutorial Concern Faculty

Class Incharge:

Ms.T.Navya

Course Code	Course Name	Name of the Faculty	Course Code	Course Name	Name of the Faculty
MA401 BS	LTNMC-Laplace Transforms, Numerical Methods & Complex Variables	Mr.A. Siddeshwar	EC406P C	ADC Lab-Analog and Digital Communications Lab	S.Surendra
EC402P C	EFW- Electromagnetic Fields and Waves	K.Srinivas	EC407P C	LICALab-Linear IC Applications Lab	R.Varalaxmi
EC403P C	ADC-Analog and Digital Communications	S.Surendra	EC408P C	ECALab-Electronic Circuit Applications Lab	Ms.T.Navya
EC404P C	LICA-Linear IC Applications	Mr.P. Anjaiah	*MC409	Gender Sensitization Lab	A.R. Rao
EC405P C	ECA- Electronic Circuit Applications	Ms.T.Navya	LIB	Library	Mr.M.SHIVARAMKRISHNA
Co-Cu	Co-Curricular Activities	Ms.T.Navya	SPORTS	Sports	Mr. M.V. Reddy
COUN	Student Counselling	Department Faculty	ADD ON	AEC-Analog Electronics Circuits	A.Ranga Rao

T. Navya
Class I/C

HOD

Principal
MEGHA INSTITUTE OF ENGINEERING AND TECHNOLOGY FOR WOMEN
Edulabad, Ghatkesar (M.D),
Medchal Dist-501 301

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
B.Tech II- II Semester

Peer learning

NAME OF STUDENT: A.AKILA

YEAR:II-II

ROLL NO.: 19RP1A0402

TOPIC:ADC



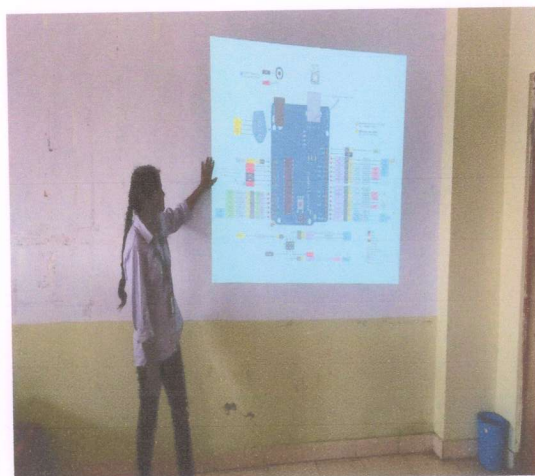
Student Ms. A.AKILA presenting seminar on Analog to Digital Converters

NAME OF STUDENT: P BHAVANI

YEAR:II-II

ROLL NO.: 19RP1AO425

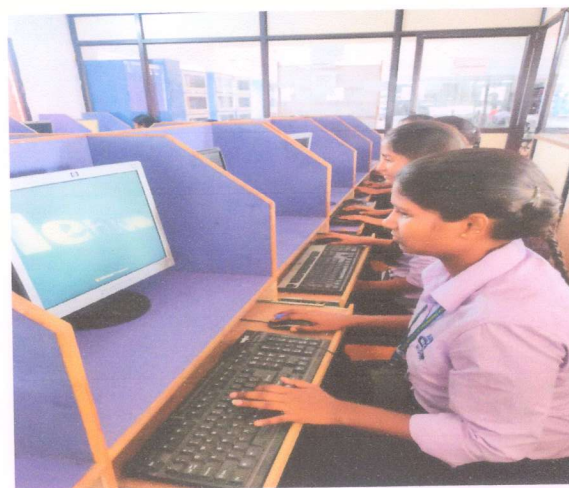
TOPIC: LICA



Student Ms.P.BHAVANI presenting seminar on linear integrated circuits



Experimental learning by students along with faculty



Team of students involved in practical learning

Principal
Megha Inst. of Engg. & Tech for Women
Edulabad, Ghatkesar (M) Dist
Medchal Dist-501 301

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

B.Tech III- I Semester

Peer Teaching

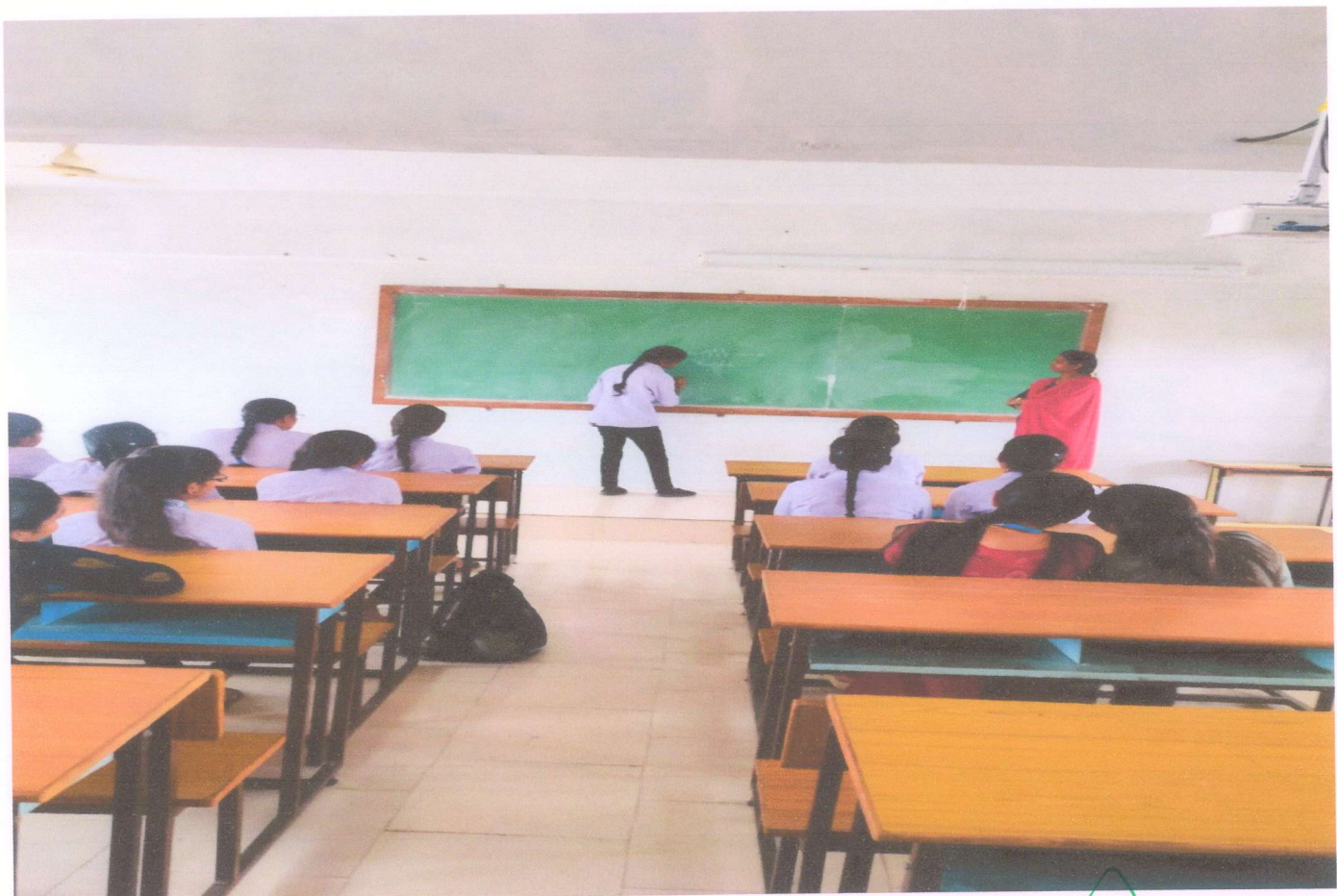
Student and faculty involving in Peer teaching

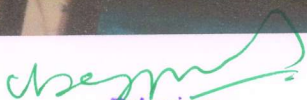
NAME: MAMEDI BHAVANA

YEAR : III-I

ROLL NO.: 19RP1A0422

TOPIC : WAVE FORMS FOR THE OPEN CIRCUIT AND CLOSED CIRCUIT




Principal
Megha Inst. of Engg. & Tech for W
Edulabad, Ghatkesar (M.),
Medchal Dist-501 301

DEPARTMENT OF ELECTRONICS AND COMMUNICATION
ENGINEERING



Class Topper for academic year 2019-20 Department of Electronics and Communication Engineering.

Appreciation certificate given to Ms. JULI KUMARI for being class topper in A.Y 2019-20.


Principal
Megha Inst. of Engg. & Tech for Women
Edulabad, Ghatkesar (Mdl),
Medchal Dist-501 301




**DEPARTMENT OF ELECTRONICS AND COMMUNICATION
ENGINEERING**

ASSIGNMENT QUESTIONS TO THE SLOW LEARNERS


Academic year 2020-21

YEAR: II-II

S.NO.		IMPORTANT QUESTIONS	BLOOM TOXOMONY LEVEL
1	Unit 1	1) Evaluate overhead transmission line. With the help of a block diagram, explain the various stages present in an operational amplifier.	L2
		2) Analyze equivalent T and π network. Define the D.C and A.C. characteristics of op-amp with suitable sketches.	L3
		3) Evaluation of surge impedance loading? With a neat diagram, explain the input side of the internal circuit diagram of IC741?	L2
		4) Evaluate an expression for long transmission line? Explain the open loop and closed loop operations of an op-amp?	L3
		5) Evaluate an expression for T and π networks? List the various properties of differential amplifier.	L2
		6) Analyze A, B, C, D parameters for short transmission lines?	L3
		7) Evaluate power flow equations for the sending end and receiving end with their circle diagram?	L2
2	Unit 2	1) Evaluate methods for Voltage control? Explain the application of operational amplifier as differentiator.	L2
		2) Evaluate an expression for an uncompensated transmission line? Draw the circuit diagram of an instrumentation amplifier using transducer bridge.	L3
		3) Create the Basic multiplier. With a neat diagram describe the circuit using op-amps on the operation of Schmitt trigger.	L1
		4) Evaluate different methods for the load compensation? Explain different types of comparators with the help of circuit diagrams and waveforms.	L2
3	Unit 3	1) Evaluation representation in power systems? What are the various applications of VCO 566?	L3
		2) Analyze an expression for the changing of base quantities? Classify the filters and explain the characteristics of each one of them.	L2
		3) Evaluation and draw the waveforms for the Open circuit and short circuit transmission lines? Draw a band-pass filters circuit with its frequency response curve and explain?	L2
		4) Evaluate an expression for voltage reflection, refraction when line is terminated with resistance? Explain in detail about VCO using suitable diagram.	L3
		5) Analyze an expression of refraction and reflection for when the line is terminated with inductance and capacitance? Draw and Explain the Wien bridge oscillator circuit using op-amp.	L2
		6) Create and Derive an expression for T-junction network?	


 Principal
 Megha Inst. of Engg. & Tech for Women
 Edulabad, Ghatkesar (Md),
 Medchal Dist-501 301

4	Unit 4	1)Analyze Over Voltage? Explain the operation of basic PLL with a block schematic?	L2
		2)Evaluate is insulation coordination Discuss the principle of operation of NE 565 PLL circuit?	L3
		3)Evalute different protection devices used for the over voltage protection? Derive the expression for the lock-in Range and capture range of Phase locked loop?	L3
5	Unit 5	1)Analyze the difference between symmetrical and unsymmetrical faults? Explain in detail about weighted resistor DAC.	L2
		2)Evaluate the significance of the Positive, Negative, and Zero sequence components? Draw the block diagram of inverted R-2R DAC and explain its operation in detail.	L3
		3)Analyze a expression for the Average 3-power in terms of the symmetrical components? Discuss on the successive approximation type ADC?	L2
		4)Evaluation short circuit capacity in power systems? Explain in detail about R-2R ladder type DAC?	L3
		5)Analyze impedance and reactance network? Draw the circuit diagram of counter type ADC and explain its operation in detail?	L2
		6)Evaluate fault calculations for single line, double line and three phase systems?	L3


 Principal
 Megha Inst. of Engg. & Tech for
 Edulabad, Ghatkesar (Muz),
 Medhhal Dist-501 301




DEPARTMENT OF ELECTRONICS AND COMMUNICATION
ENGINEERING

MODEL QUESTIONS TO THE ADVANCED LEARNERS

Academic year 2020-21

YEAR: II-II

S.NO.		IMPORTANT QUESTIONS	BLOOM TOXOMONY LEVEL
1	Unit 1	1)classify monolithic hybrid circuits	L3
		2)implement and with the explain the various stages present in an op-amp	L4
		3)examine about ideal op-amp in detail with suitable diagrams	L3
		4)compare the features of ideal and practical opamp circuit	L3
		5)classify openloop and closed loop opamps	L3
2	Unit 2	1)classify the operation of instrumentation amplifier using. Transducer bridge	L3
		2) distinguish sample and hold circuits	L3
		3)implement and draw the figure of schmitt trigger	L4
3	Unit 3	1)distiguish between active and passive filters	L3
		2)differentiate between rc phase shift oscillator and wein bridge oscillator	L3
		3)classify in detail vco using suitable diagram	L3
4	Unit 4	1)implement the basis pll with a block schematic	L4
		2)examine about voltage controlled frequency shifter using 555 timer	L3
		3)differentiate monostable multivibrator and astable multivibrator	L3
5	Unit 5	1)Compare R-2r And Weighted Resistor Types Of Dac	L3
		2)Compare Voltage Mode Current Mode R-2r Ladder D/A Converters	L3
		3)use block diagram, explain the working of two bit flash type adc converter	L4
		4)implement settling time to give a input	L4


Principal
Megha Inst. of Engg. & Tech for W
Edulabad, Ghatkesar (M.)
Medchal Dist-501 301



Slow Learners

AY: 2020-21

Class: MBA 1 YEAR

Semester: II

Basis : Beginning of the Semester: ≥ 2 Backlogs & $< 65\%$

After 3 weeks : Assignment Marks

Completion of first Mid : Internal Marks

Time Line			Beginning of the Semester		After 3 weeks	Completion of First Mid
S.No	Roll Number	Name of the Student	% of the last semester	Total no. of backlogs	Assignment Marks	Mid Marks
1	20RP1E0007	BODA SHRAVANI	Less than 50%	2	5	17
2	20RP1E0009	DHAYA CHANDANA	Less than 50%	2	5	19
3	20RP1E0019	KARADI DIVYA	Less than 50%	2	4	18
4	20RP1E0026	MUKKA SHIVANI	Less than 50%	2	5	20
5	20RP1E0031	PALLALA RENUKA	Less than 50%	2	5	17
6	20RP1E0046	BAKKI SWATHI	Less than 50%	2	4	19
7	20RP1E0049	PALLAVI KS	Less than 50%	2	5	19
8	20RP1E0050	K.KEERTHI	Less than 50%	2	5	18
9	20RP1E0060	BOLLIKONDA RAMADEVI	Less than 50%	2	4	17

Signature of the faculty

Principal
Megha Inst. of Engg. & Tech for Women
Edulabad, Ghatkesar (Md),
Medchal Dist-501 301



Advanced Learners

AY: 2020-21

Class: MBA 1 YEAR

Semester : II

Basis: No Backlogs & Marks > 65%

S.No	Roll Number	Name of the Student	%
1	20RP1E0006	BODA RAVALIKA	Greater than 65%
2	20RP1E0009	DHAYA CHANDANA	Greater than 65%
3	20RP1E0014	GOVINDARAM RADHIKA	Greater than 65%
4	20RP1E0018	KALISHETTY HEMA	Greater than 65%
5	20RP1E0025	MUDUGULA NAVYA SREE	Greater than 65%
6	20RP1E0027	NADIYA SAMREEN	Greater than 65%
7	20RP1E0035	SADDI AKHILA	Greater than 65%

Signature of the faculty

Principal
Megha Inst. of Engg. & Tech for Women
Edulabad, Ghatkesar (Mdi).
Medchal Dist-501 301



SCHEDULE FOR REMEDIAL CLASSES

It is hereby informed that remedial classes for slow learners of MBA 1 YEAR – II semester will be conducted after completion of regular classes work as per the below mentioned timetable with effect from

Remedial class timetable

Class: MBA 1 YEAR – II Semester

S.NO	DAY	SUBJECT NAME	NAME OF THE FACULTY	TIME	SIGNATURE
1	MONDAY	FINANCIAL MANAGEMENT	Mr A Shashi Kiran	4.00-5.00 PM	<i>A. Shashi</i>
2	TUESDAY	QUANTITATIVE ANALYSIS FOR BUSINESS DECISIONS	Mr. K Madhu Babu	4.00-5.00 PM	<i>Madhy</i>
3	WEDNESDAY	MARKETING RESEARCH	Mr R Arun Kumar	4.00-5.00 PM	<i>Arun</i>
4	THURSDAY	FINANCIAL MANAGEMENT	Mr A Shashi Kiran	4.00-5.00 PM	<i>A. Shashi</i>
5	FRIDAY	MARKETING RESEARCH	Mr R Arun Kumar	4.00-5.00 PM	<i>Arun</i>
6	SATURDAY	QUANTITATIVE ANALYSIS FOR BUSINESS DECISIONS	Mr. K Madhu Babu	4.00-5.00 PM	<i>Madhy</i>

Madhy

HOD

Chesamma
Principal
Megha Inst. of Engg. & Tech for Women
Edulabad, Ghatkesar (Mdi),
Medchal Dist-501 301



MEGHA INSTITUTE OF ENGINEERING AND TECHNOLOGY FOR WOMEN

(Approved by AICTE & Affiliated to JNTUH)

SY. NO. 7, EDULABAD (V), GHATKESAR (M), MEDCHAL (D), TELANGANA - 501301

DEPARTMENT OF MBA

REMEDIAL CLASS ATTENDANCE ACADEMIC YEAR 2020-2021

Class: MBA 1 YEAR – II Semester

SUBJECT: FM

S.NO	ROLL NO.	2/11	3/11	5/11	9/11	10/11	12/11	17/11	20/11	01/12	04/12	08/12	10/12
1	20RP1E0007	1	2	3	4	5	6	A	A	7	8	9	10
2	20RP1E0009	1	2	A	3	4	5	6	7	8	9	10	11
3	20RP1E0019	1	2	3	4	5	6	7	8	9	10	11	12
4	20RP1E0026	A	1	2	3	4	5	6	7	8	9	10	11
5	20RP1E0031	1	2	3	4	5	6	7	8	9	10	11	12
6	20RP1E0046	1	A	2	3	4	5	6	A	7	8	9	10
7	20RP1E0049	1	2	3	4	A	5	6	7	8	9	10	11
8	20RP1E0050	1	A	2	3	4	5	6	7	8	9	10	11
9	20RP1E0060	A	1	2	3	4	5	6	7	8	9	10	A

INCHARGE

HOD

PRINCIPAL

Principal
Megha Inst. of Engg. & Tech for Women
Edulabad, Ghatkesar (Md).
Medchal Dist-501 301



**DEPARTMENT OF MBA
MBA IYEAR – IISemester**

A.Y 2020-21


w.e.f


*(T)-Tutorial Concern Faculty Class Incharge: **Mr A Shashi Kiran**

TIME TABLE - MBA- II SEMESTER (2021) Date: 01-05-2021									
TIMINGS	10.00-10.50	10.50 - 11.40	11.40-11.50	11.50 - 12.40	12.40 -1.30	1.30 - 2.00	2.00-2.50	2.50 - 3.40	4.00 - 5.00
MON	QABD	HRM	BREAK	MR	L&SCM	LUNCH	ES	FM	FM
TUES	QABD	HRM		MR	L&SCM		ES	FM	QABD
WED	QABD	HRM		MR	L&SCM		MM	FM	MR
THUR	MM	FM		HRM	QABD		L&SCM	ES	FM
FRI	MR	FM		PRACTICE SESSION (QABD/FM) SEMINAR/CASE STUDIES			MM	ES	MR
SAT	QABD	HRM		MR	ES		MM	L&SCM	QABD

SUB CODE	SUB NAME	FACULTY NAME
19 MBA 09	HUMAN RESOURCE MANAGEMENT	Dr B Sammaiah
19 MBA10	MARKETING MANAGEMENT	Mr K Bhanu Chander
19 MBA 11	FINANCIAL MANAGEMENT	Mr A Shashi Kiran
19 MBA 12	QUANTITATIVE ANALYSIS FOR BUSINESS DECISIONS	Dr K Madhu Babu
19 MBA 13	ENTREPRENEURSHIP	Mr B S Ravi Chandra
19 MBA 14	LOGISTICS & SUPPLY CHAIN MANAGEMENT	Mrs B Sangeetha
19 MBA 15	MARKETING RESEARCH	Mr R Arun Kumar


Class I/C


HOD


PRINCIPAL
Megha Inst. of Engg. & Tech for Women
Edulabad, Ghatkesar (Mdi).
Medchal Dist-501 301

**DEPARTMENT OF MBA
MBA I YEAR – IISemester**

Peer teaching

Students involving in Peer teaching



NAME: GOVINDARAM RADHIKA

YEAR : I-II

ROLL NO.: 20RP1E0014

TOPIC : INVESTMENT DECISION PROCESS


Principal
Megha Inst. of Engg. & Tech for Women
Edulabad, Ghatkesar (Mdi),
Medchal Dist-501 301



DEPARTMENT OF MBA

ASSIGNMENT QUESTIONS TO THE SLOW LEARNERS

Academic year 2020-21

YEAR: I -II

FINANCIAL MANAGEMENT

ESSAY TYPE QUESTIONS (15 MARKS)

UNIT – 1

- 1) Discuss the scope of finance function. Discuss its new role in contemporary scenario.
- 2) Explain the relationship between wealth maximization and risk return trade off.
- 3) What is time value of money? Explain its role and significance in finance with special focus on Future Value and Present Value.

UNIT – 2


- 1) Bring out the importance of capital budgeting as an Investment Decision Process.
- 2) Explain various techniques of capital budgeting decision under conditions of risk and Uncertainty
- 3) What are the various methods of Risk Management?

UNIT – 3

- 1) Explain the various sources of finance and the financial instruments through which the finance can be raised.
- 2) Briefly discuss various theories of capital structure. Explain the concept and financial effects of leverages.
- 3) What is cost of capital? Discuss the concept of average and marginal cost of capital. Discuss the measurement of cost of capital.
- 4) What is Capital Structure? Explain various decisions related to Capital Structure.


UNIT – 4

- 1) Explain the concept and characteristics of Working Capital? Discuss the factors determining the working capital and how working capital requirement estimation is done.
- 2) Discuss the management and financing of current assets?
- 3) What is the difference between Dividend and Capital structure? Discuss the major forms of dividends and the dividend policies of Indian companies.
- 4) What is Firm Valuation? Explain various Theories of Valuation with suitable Indian examples.


Principal
Megha Inst. of Engg. & Tech for Women
Eduulabad, Ghatkesar (Md),
Medchal Dist-501 301

UNIT – 5

- 1) Discuss the concept of Merger, Acquisitions and Takeovers. Explain the economic rationales (reasons) and motives for mergers.
- 2) Explain various approaches for valuation such as DCF approach and Comparable company approach.
- 3) What is Corporate Governance? What are the principles of Good Governance?
- 4) What is Corporate Value? What are various approaches to corporate value based Management systems?


Principal
Megha Inst. of Engg. & Tech for Women
Edulabad, Ghatkesar (Maj),
Medchal Dist-501 301