

Subject allotted as per NME_ICT Project (Phase II): **Vocational Course (POLYMER**
EDUCATIONAL MULTIMEDIA RESEARCH CENTRE: Mysore

SL.NO.	YEAR/SEM	PAPER NAME	NO. OF TOPICS
1	I	ORGANIC CHEMISTRY	10
2	I	ELEMENT OF CHEMICAL ENG.	4
3	I	PHYSICAL CHEMISTRY	7
4	II	POLYMER SCIENCE	6
5	II	ENGINEERING CHEMISTRY	6
6	II	RUBBER MATERIAL TECHNOLOGY	8
7	II	PLASTIC MATERIAL TECHNOLOGY	6
8	III	POLYMER BLENDS AND COMPOSITES	4
9	III	PLASTIC PROCESSING TECHNOLOGY	6
10	III	INSTRUMENTATION AND PROCESS CONTROL	6
TOTAL			63

ORGANIC CHEMISTRY

Sl. No	Year	Paper Name	E-content Module No.	E-content lecture title	Video programme title (for vyas channel)	Tape / PD No.
1	I	Organic Chemistry	1	Fundamentals Of Organic Chemistry	Fundamentals Of Organic Chemistry	EMYS/VOC/P1/01/P/0/NME0000924/001
2	I	Organic Chemistry	2	Organic Reactions And Their Mechanisms	Organic Reactions And Their Mechanisms	EMYS/VOC/P1/02/P/0/NME0000967/002
3	I	Organic Chemistry	3	Hydrocarbons Part I	Hydrocarbons Part I	EMYS/VOC/P1/03/P/0/NME0000965/003
4	I	Organic Chemistry	4	Hydrocarbons Part II	Hydrocarbons Part II	EMYS/VOC/P1/04/P/0/NME0000963/004
5	I	Organic Chemistry	5	Hydrocarbons Part III	Hydrocarbons Part III	EMYS/VOC/P1/05/P/0/NME0000966/005
6	I	Organic Chemistry	6	Hydrocarbons Part IV	Hydrocarbons Part IV	EMYS/VOC/P1/06/P/0/NME0000966/006
7	I	Organic Chemistry	7	Organic Compounds Part I	Organic Compounds Part I	EMYS/VOC/P1/07/P/0/NME0000964/007
8	I	Organic Chemistry	8	Organic Compounds Part II	Organic Compounds Part II	EMYS/VOC/P1/08/P/0/NME0000964/008
9	I	Organic Chemistry	9	Organic Compounds Part III	Organic Compounds Part III	EMYS/VOC/P1/09/P/0/NME0000964/009
10	I	Organic Chemistry	10	Organic Compounds Part IV	Organic Compounds Part IV	EMYS/VOC/P1/010/P/0/NME0000967/010

Subject expert	Producer	Remarks (if any)
Dr. KendagannaSwamy	Syed Kaleem	
Dr. KendagannaSwamy	Syed Kaleem	
Dr. KendagannaSwamy	Syed Kaleem	
Dr. KendagannaSwamy	Syed Kaleem	
Dr. KendagannaSwamy	Syed Kaleem	
Dr. KendagannaSwamy	Syed Kaleem	
Dr. KendagannaSwamy	Syed Kaleem	
Dr. KendagannaSwamy	Syed Kaleem	
Dr. KendagannaSwamy	Syed Kaleem	
Dr. KendagannaSwamy	Syed Kaleem	

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ELEMENT OF CHEMICAL ENG.

Sl. No	Year	Paper Name	E-content Module No.	E-content lecture title	Video programme title (for vyas channel)	Tape / PD No.	Subject expert
11	I	Element of chemical eng.	11	Flow of fluids	Flow of fluids	EMYS/VOC/P2/011/P/0/NME0000922/011	Dr. Nithin K.S
12	I	Element of chemical eng.	12	Mixing, agitation & conveying	Mixing, agitation & conveying	EMYS/VOC/P2/012/P/0/NME0000921/012	Dr. Nithin K.S
13	I	Element of chemical eng.	13	Heat transfer	Heat transfer	EMYS/VOC/P2/013/P/0/NME0000920/013	Dr. Nithin K.S
14	I	Element of chemical eng.	14	Size Reduction	Size Reduction and Valves	EMYS/VOC/P2/014/P/0/NME0000920/014	Dr. Nithin K.S

Produce r	Remarks (if any)
Syed Kaleem	
Syed Kaleem	
Syed Kaleem	
Syed Kaleem	

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PHYSICAL CHEMISTRY

Sl. No	Year	Paper Name	E-content Module	E-content lecture title	Video programme title (for vyas channel)	Tape / PD No.	Subject expert	Producer	Remarks (if any)
15	I	Physical Chemistry	15	Catalysis	Catalysis		Rajani Rao	Syed Kaleem	
16	I	Physical Chemistry	16	Chemical Kinetics	Chemical Kinetics		Rajani Rao	Syed Kaleem	
17	I	Physical Chemistry	17	Thermo Chemistry	Thermo Chemistry		Dr. Rajendra Prasad	Syed Kaleem	
18	I	Physical Chemistry	18	Chemical Equilibrium	Chemical Equilibrium		Dr. Rajendra Prasad	Syed Kaleem	
19	I	Physical Chemistry	19	Electro Chemistry	Electro Chemistry		Dr. Rajendra Prasad	Syed Kaleem	
20	I	Physical Chemistry	20	The States Of Matter	The States Of Matter		Dr. Rajendra Prasad	Syed Kaleem	
21	I	Physical Chemistry	21	Mixtures And Solutions	Mixtures And Solutions		Dr. Rajendra Prasad	Syed Kaleem	



POLYMER SCIENCE

Sl. No	Year	Paper Name	E-content Module No.	E-content lecture title	Video programme title (for vyas channel)	Tape / PD No.	Subject expert	Producer	Remarks (if any)
22	II	Polymer science	22	Polymers	Polymers		Asma Jabeen	Syed Kaleem	
23	II	Polymer science	23	Copolymerisation	Copolymerisation	EMYS/VOC/P4/023/P/0/NME0000919/023	Asma Jabeen	Syed Kaleem	
24	II	Polymer science	24	Polymer molecular weights	Polymer molecular weights	EMYS/VOC/P4/024/P/0/NME0000918/024	Asma Jabeen	Syed Kaleem	
25	II	Polymer science	25	Polymer solutions	Polymer solutions		Asma Jabeen	Syed Kaleem	
26	II	Polymer science	26	Polymer crystallisation	Polymer crystallisation	EMYS/VOC/P4/026/P/0/NME0000962/026	Asma Jabeen	Syed Kaleem	
27	II	Polymer science	27	Polymer reactions	Polymer reactions	EMYS/VOC/P4/027/P/0/NME000949/027	Asma Jabeen	Syed Kaleem	

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ENGINEERING CHEMISTRY

Sl. No	Year	Paper Name	E-content Module	E-content lecture title	Video programme title (for vyas channel)	Tape / PD No.	Subject expert	Producer	Remarks (if any)
28	II	Engineering chemistry	28	Air pollution	Air pollution		Shilpa Pooviah	Syed Kaleem	
29	II	Engineering chemistry	29	Chemical Fuels	Chemical Fuels		Dr. Rajendra Prasad	Syed Kaleem	
30	II	Engineering chemistry	30	Corossion and its control	Corossion and its control		Dr. Rajendra Prasad	Syed Kaleem	
31	II	Engineering chemistry	31	Protective coatings & adhesives	Protective coatings & adhesives		Dr. Rajendra Prasad	Syed Kaleem	
32	II	Engineering chemistry	32	Water treatment	Water treatment		Dr. Rajendra Prasad	Syed Kaleem	
33	II	Engineering chemistry	33	Paints, varnishes and distempers	Paints, varnishes and distempers		Dr. Rajendra Prasad	Syed Kaleem	

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RUBBER MATERIAL TECHNOLOGY

Sl. No	Year	Paper Name	E-content Module No.	E-content lecture title	Video programme title (for vyas channel)	Tape / PD No.	Subject expert	Producer	Remarks (if any)
34	II	Rubber material	34	Natural rubber part-I	Natural rubber part-I		Asma Jabeen	Syed Kaleem	
35	II	Rubber material	35	Natural rubber part-II	Natural rubber part-II		Asma Jabeen	Syed Kaleem	
36	II	Rubber material	36	Natural rubber part-III	Natural rubber part-III		Asma Jabeen	Syed Kaleem	
37	II	Rubber material	37	Synthetic rubber part – I	Synthetic rubber part – I		Asma Jabeen	Syed Kaleem	
38	II	Rubber material	38	Synthetic rubber part- II	Synthetic rubber part-II		Asma Jabeen	Syed Kaleem	
39	II	Rubber material	39	Synthetic rubbers – high	Synthetic rubbers – high performance		Asma Jabeen	Syed Kaleem	
40	II	Rubber material	40	Rubber blends	Rubber blends		Asma Jabeen	Syed Kaleem	
41	II	Rubber material	41	importance of blending	importance of blending		Asma Jabeen	Syed Kaleem	

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PLASTIC MATERIAL TECHNOLOGY

Sl. No	Year	Paper Name	E-content Module No.	E-content lecture title	Video programme title (for vyas channel)	Tape / PD No.	Subject expert	Producer	Remarks (if any)
42	II	Plastic material technology	42	Compounding machineries and parameters	Compounding machineries and parameters	EMYS/VOC/P7/042/P/0/N ME0000963/042 EMYS/VOC/P7/043/P/0/N ME0000962/043 EMYS/VOC/P7/044/P/0/N ME0000709/044 EMYS/VOC/P7/045/P/0/N ME0000963/045 EMYS/VOC/P7/046/P/0/N ME0000965/046 EMYS/VOC/P7/047/P/0/N ME0000709/047	Asma Jabeen	Syed Kaleem	
43	II	Plastic material technology	43	Polyolefins and styrenics plastics	Polyolefins and styrenics plastics		Asma Jabeen	Syed Kaleem	
44	II	Plastic material technology	44	Vinyl plastics	Vinyl plastics		Asma Jabeen	Syed Kaleem	
45	II	Plastic material technology	45	Acrylic plastics & cellulose plastics	Acrylic plastics & cellulose plastics		Asma Jabeen	Syed Kaleem	
46	II	Plastic material technology	46	Engineering plastics	Engineering plastics		Asma Jabeen	Syed Kaleem	
47	II	Plastic material technology	47	Thermosetting plastics	Thermosetting plastics		Asma Jabeen	Syed Kaleem	

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Access No.(MC)EMYS/VOC/P7/042/P/0/NME0000963/042

POLYMER BLENDS AND COMPOSITES

Sl. No	Year	Paper Name	E-content Module	E-content lecture title	Video programme title (for vyas channel)	Tape / PD No.	Subject expert	Producer	Remarks (if any)
48	III	Polymer blends and composites	48	Polymer blends	Polymer blends	EMYS/VOC/P8/048/P/0/NME0000949/048	Dr. Nithin K.S	Syed Kaleem	
49	III	Polymer blends and composites	49	Polymer composites Scope and Materials	Polymer composites Scope and Materials	EMYS/VOC/P8/049/P/0/NME0000919/049	Dr. Nithin K.S	Syed Kaleem	
50	III	Polymer blends and composites	50	Polymer composites processing	polymer composites processing	EMYS/VOC/P8/050/P/0/NME0000922/050	Dr. Nithin K.S	Syed Kaleem	
51	III	Polymer blends and composites	51	Production of fiber	Production of fiber	EMYS/VOC/P8/051/P/0/NME0000919/051	Dr. Nithin K.S	Syed Kaleem	



PLASTIC PROCESSING TECHNOLOGY

Sl. No	Year	Paper Name	E-content Module No.	E-content lecture title	Video programme title (for vvas channel)	Tape / PD No.	Subject expert	Producer	Remarks (if any)
52	III	Plastic processing technology	52	Transfer Moulding	Transfer Moulding	EMYS/VOC/P9/052/P/0/ NME0000959/052 EMYS/VOC/P9/053/P/0/ NME0000959/053 EMYS/VOC/P9/054/P/0/ NME0000959/054 EMYS/VOC/P9/055/P/0/ NME0000961/055 EMYS/VOC/P9/056/P/0/ NME0000961/056 EMYS/VOC/P9/057/P/0/ NME0000961/057	Prof. Anujan N.S	Syed Kaleem	
53	III	Plastic processing technology	53	Injection moulding	Injection moulding		Prof. Anujan N.S	Syed Kaleem	
54	III	Plastic processing technology	54	Blow moulding	Blow moulding		Prof. Anujan N.S	Syed Kaleem	
55	III	Plastic processing technology	55	Rotational moulding	Rotational moulding		Prof. Anujan N.S	Syed Kaleem	
56	III	Plastic processing technology	56	Finishing of plastics	Finishing of plastics		Prof. Anujan N.S	Syed Kaleem	
57	III	Plastic processing technology	57	Environmental concern	Environmental concern		Prof. Anujan N.S	Syed Kaleem	

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INSTRUMENTATION & PROCESS CONTROL

Sl. No	Year	Paper Name	E-content Module No.	E-content lecture title	Video programme title (for vyas channel)	Tape / PD No.	Subject expert	Producer	Remarks (if any)
58	III	Instrumentation and process control	58	Measurement of temperature	Measurement of temperature		Dr. Sree Lakshmi	Syed Kaleem	
59	III	Instrumentation and process control	59	Measurement Of Pressure And Vaccum	Measurement of Pressure and Vaccum		Dr. Sree Lakshmi	Syed Kaleem	
60	III	Instrumentation and process control	60	Measurement of flow and level	Measurement of flow and level		Dr. Sree Lakshmi	Syed Kaleem	
61	III	Instrumentation and process control	61	Measurement of ph Humidity and viscosity	Measurement of ph Humidity and viscosity		Dr. Sree Lakshmi	Syed Kaleem	
62	III	Instrumentation and process control	62	Process control	Process control		Dr. Sree Lakshmi	Syed Kaleem	
63	III	Instrumentation and process control	63	New developments in process control	New developments in process control		Dr. Sree Lakshmi	Syed Kaleem	

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