

Course Details – DECM Course

Program Name: - Diploma in Emergency Services & Critical Care Management (DECM)

1	Name of the Program	Diploma in Emergency Services & Critical Care Management
2	Program Code	DECM
3	Program Pattern (Semester/Final)	Final
4	Program Duration	1 Year
5	Program Level	Diploma
6	Program Type	Full Time for regular students (Offline) & Parttime for In service candidates (Online)
		Theory – Online Classes Practical – Training at centers for 3 hours for regular stream 8 Personal contact program each of 3 days for Parttime stream
7	Program Total Credits	Nil
8	Program Total Marks	450
9	Program Passing Marks	210 (45% As per Table B)
10	Mode of Learning (Regular/ Distance Learning)	Regular / Distance for In service candidates/Students
11	Medium of Instructions	English
12	Medium of Examination	English
13	Eligibility	The students with following educational qualification will be eligible for seeking admission to this course : MBBS, BAMS, BHMS
14	Lecturer/Professor Qualification	The teaching faculties with following educational qualification will be eligible to teach this course : MBBS, MD (Med), Fellowship in Critical Care MBBS, MD (Pul. Med), MBBS, MD (Anesthesia) BAMS, MD with Experience of ICU
15	Program Objectives	The course aims to provide the advanced hands-on training related to emergency services and critical care management and techniques & medicine involved in it.
16	Program Outcome	Student will be up-skilled for each and every aspect related to emergency and critical care management
17	No. of Days @ Week	3 Days
18	Internship Duration	15 Days
19	Study Center	Refer to the list of centers in main menu of the app
20	Course Fees	Rs. 30,000/- (Thirty Thousand only)

Syllabus & Course Content with Hourly Teaching Plan

Diploma in Emergency Services & Critical Care Management		
Sr. No.	SUBJECT CODE	SUBJECT TITLE
1	DECM - 101	Procedures In ICU & General Care
2	DECM – 102	Systemic Critical Care Management
3	DECM – 103	Infection & Metabolic Issues

Sub Code	Subjects	Teaching hours per week (3 Days @ Week)	Tutorial (*T)/ Practical / Activity(*P/*A) per week		Theory		Practical		Subject Total		No. of Credits
					(Practical/ Diss. / Viva/ Oral/ Test/ Sessional etc.)		(in case of joint passing)				
			A		B		A + B				
			T	P/A	Max	Passing	Max	Passing	Max	Passing	
DECM 101		1	1	6	100	45	50	25	150	70	
DECM 102		1	1	6	100	45	50	25	150	70	
DECM 103		1	1	6	100	45	50	25	150	70	
Total		03	03	18	300	135	150	75	450	210	

Question Paper Pattern

EXAMINATION- Theory

PROGRAMME NAME - Diploma in Emergency Services & Critical care Management

SUBJECT TITLE _____ (Course Code- _____)

[TIME: 3 Hours] TOTAL: 100 Marks

Note- 1. Attempt Section A and Section B Only

2. Write answers to each question in proportion to the mark allotted

3. Available both **online** as well as **offline** mode

SECTION – A

Que – 25 MCQ (2 Marks each)

[2 x 25 = 50]

SECTION – B

Que- 25 MCQ (2 Marks each)

[2 x 25 = 50]

PRACTICAL

Viva Voce

(50 Marks)

Paper – 1
Procedures In ICU & General Care
(Theory – 100 Marks + Oral Viva – 50 Marks)

Module No.	Sub Topics	Hours	
Module No. 1 (Theory)	Criteria for ICU admission	1 hr	
	Airway Management		
	Oxygen Therapy	1 hr	
	Endotracheal Intubation	1 hr	
	Non Invasive positive pressure ventilation	1 hr	
	Mechanical Ventilation	1 hr	
	Weaning from the ventilation	1 hr	
	Bronchoscopy in ICU	1 hr	
	Tracheostomy	1 hr	
	Arterial Blood gases	1 hr	
	Hemodynamics		
	Cardiopulmonary Resuscitation (CPR)	1 hr	
	DC Cardioversion	1 hr	
	Emergency Echocardiography	1 hr	
	Centra Venous Catheterization & CVP	1 hr	
	Transfusion practices and complications	1 hr	
	General	1 hr	
	Urinary Catheterization	1 hr	
	Assessment of tissue oxygenation	1 hr	
	Extracorporeal Membrane Oxygenation	1 hr	
	Illness Scoring systems	1 hr	
	Sedation, Analgesia and Paralysis in ICU	1 hr	
	Brain Dead Patient management	1 hr	
	Assessment of end of life issue	1 hr	
Nutritional Support in critically ill patients	1 hr		
A	Hours And Credit	23 hrs	1.5

Paper – 2
Systemic Critical Care Management
(Theory – 100 Marks + Oral Viva – 50 Marks)

Module No.	Sub Topics	Hours	Credit
Module No. 1 (Theory)	Respiratory System		
	Acute Severe Asthma & COPD	1 hr	
	Acute respiratory distress Syndrome (ARDS)	1 hr	
	Severe community acquired Pneumonia	1 hr	
	Ventilator Associated Pneumonia	1 hr	
	Aspiration Syndromes	1 hr	
	Chest Physiotherapy	1 hr	
	Chest Radiography in ICU	1 hr	
	Cardiovascular System		
	Hypertensive emergency management	1 hr	
	Management of acute coronary syndrome	1 hr	
	Management of cardiac failure	1 hr	
	Management of supraventricular arrhythmias	1 hr	
	Management of ventricular arrhythmias	1 hr	
	Management of cardiac arrest	1 hr	
	Management of Pulmonary embolism	1 hr	
	Management of hypovolemic shock	1 hr	
	Gastrointestinal System		
	Management of GI bleeding	1 hr	
	Management of Liver failure	1 hr	
	Management of Pancreatitis	1 hr	
	Management of Stress ulcer prophylaxis	1 hr	
	Management of Alcohol withdrawal Syndrome	1 hr	
	Nervous System		
	Management of acute brain stroke	1 hr	
	Management of raised intracranial pressure	1 hr	
	Management of subarachnoid hemorrhage	1 hr	
	Management of traumatic brain injury	1 hr	
	Management of Seizures and status epilepticus	1 hr	
	Management of GB Syndrome & Myasthenia gravis	1 hr	
A	Total Hours And Credit	27 hrs	1.5

Paper – 3
Infection & Metabolic Issues
(Theory – 100 Marks + Oral Viva – 50 Marks)

Module	Sub Topics	Hours	Credit
Module No. 1 (Theory)	Infections – Bacterial, MRSA	1 hr	
	Infections – Viral	1 hr	
	Infections – Fungal	1 hr	
	Infections – Protozoal	1 hr	
	Management of sepsis	1 hr	
	Management of infections in immunocompromised patients	1 hr	
	Management of pyrexia of unknown origin (PUO)	1 hr	
	Management of Nosocomial infections in ICU	1 hr	
	Management of Multiorgan failure syndrome	1 hr	
	Acid base disturbances	1 hr	
	Electrolyte disturbances	1 hr	
	Hypokalemia /Hyperkalemia	1 hr	
	Hyponatremia/Hyernatremia	1 hr	
	Hypocalcemia/Hypercalcemia	1 hr	
	Management of Diabetic Ketoacidosis	1 hr	
	Management of Hyperosmolar nonketotic Coma	1 hr	
	Stress Induced hyperglycemia	1 hr	
	Management of Hypoglycemia	1 hr	
	Management of Acute Renal Failure	1 hr	
	Continuous Renal Replacement	1 hr	
	Management of Adrenal Insufficiency	1 hr	
	Management of thyroid crisis	1 hr	
	Management of hypothermia	1 hr	
	Management of Opiate poisoning	1 hr	
Management of narcotic poisoning	1 hr		
Management of organophosphorus poisoning	1 hr		
Management of carbon monoxide poisoning	1 hr		
	Total Hours And Credit	27 hrs	1.5

Hours And Credits Summary of The Course

Sr.	Course Details	Hours	Credits
1	Theory	80	5
2	Practical	720	24
3	Internship	45	3
	Total	845	32

