

**DETAILED SYLLABUS FOR THE POST OF ASSISTANT PROFESSOR
IN EMERGENCY MEDICINE IN MEDICAL EDUCATION**

TOTAL – 100 MARKS

SL No.	TOPICS
MEDICAL EMERGENCIES - 20 MARKS	
1	Acute coronary syndrome- streptokinase dosage
2	Arrhythmias- management of refractory VF
3	Aortic Dissection
4	CURB 65 score
5	Status epilepticus- 3 rd line drugs
6	Ischemic Stroke- thrombolytic drugs and dosages
7	Hyperosmolar hyperglycemic state
8	Myxoedema Coma
9	Hyponatremia
10	Delirium Tremens
SURGICAL EMERGENCIES - 10 MARKS	
1	Lower GI bleed
2	APACHE II score in acute Pancreatitis
3	Management of appendicular mass
4	Torsion testis vs Epididymitis
5	Complications of burns
6	Abdominal aortic aneurysm
TRAUMA - 10 MARKS	
1	Airway assessment and management
2	Technique of CPR
3	Pneumothorax management
4	FAST
5	TRIAGE

GYNAECOLOGICAL AND OBSTETRIC EMERGENCIES - 10 MARKS	
1	Management of PPH
2	HELLP syndrome management
3	Initial management of ectopic pregnancy
4	Abruptio placenta diagnosis
5	Inflammatory mastitis
6	Post mortem Caesarian section
PAEDIATRIC EMERGENCIES - 10 MARKS	
1	Anaphylaxis drug dosages
2	Acute Diarrheal Disease management
3	Altered mental status-Initial approach
4	Status Epilepticus management
5	Paediatric resuscitation guidelines
6	Fluid therapy in a child
7	Hemolytic Uremic Syndrome management
8	Paediatric hypoglycemia management
POISONING, SNAKE BITE - 10 MARKS	
1	Indications for Neostigmine in snake bite management
2	Indications for pacing in cardiac glycoside poisoning
3	Organophosphate induced delayed neuropathy-management
4	Peradeniya scale -parameters
5	Polyvalent ASV-Neutralizing dose for different snakes
6	Lithium overdose clinical features
7	Rumack -Matthew nomogram use
8	Hallucinogenic dose of Psilocybin
ORTHOPAEDIC EMERGENCIES - 10 MARKS	
1	Crush syndrome clinical features
2	Compartment syndrome management
3	Gustilo Anderson classification of open fractures

4	Boxers fracture, March fracture, Chance fracture, Cotton fracture
5	Froment sign, Pen test
6	Shoulder reduction techniques
OPHTHALMOLOGIC AND ENT EMERGENCIES - 10 MARKS	
1	Indications for lateral canthotomy
2	Management of acute glaucoma
3	Management of refractory epistaxis
4	Cricothyrotomy indications
PROCEDURES - 4 MARKS	
1	ICD insertion site in child
2	Nerves targeted in ankle block
3	Intraosseous needle insertion sites
4	Indications of arthrocentesis in ED
5	Epley manoeuvre steps
6	Hematoma block
7	IJV central line insertion-approaches
MEDICOLEGAL ASPECTS IN EMERGENCY MEDICINE - 6 MARKS	
1	Examination of rape victim
2	Examination of a minor
3	SPIKES protocol
4	SBAR protocol
5	Maastricht classification

NOTE: - It may be noted that apart from the topics detailed above, questions from other topics prescribed for the educational qualification of the post may also appear in the question paper. There is no undertaking that all the topics above may be covered in the question paper.