

M. D. (EMERGENCY MEDICINE) : SUMMER - 2018

**SUBJECT: PAPER – I: APPLIED BASIC SCIENCES AS APPLIED TO EMERGENCY
MEDICINE. PRE HOSPITAL CARE, HISTORICAL ASPECTS,
EMERGENCY ROOM DESIGN**

Day: **Saturday**
Date: **02/06/2018**

S-2018-3423

Time: **2.00 P.M. TO 5.00 P.M**
Max. Marks: 100

N.B.:

- 1) All questions are **COMPULSORY**.
 - 2) Figures to the right indicate **FULL** marks.
 - 3) Draw neat labelled diagrams **WHEREVER** necessary.
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Long Questions:

- Q.1** Describe the anatomy and physiology of the conducting system of the heart. (15)
Describe the pathophysiology of the common rhythm disturbances.
- Q.2** Draw a diagram to plot the various volumes and capacities of the lungs. Give (15)
brief description of each.

Semi Long Questions: (Answer any SEVEN) (70)

- Q.3** Describe the anatomy of the larynx. Discuss surgical airway.
- Q.4** Write short notes on:
a) Hyperkalemia
b) Evaluation of dehydration in children
- Q.5** Classify Shock. Discuss management of ruptured ectopic pregnancy.
- Q.6** Discuss tachy arrhythmias.
- Q.7** Discuss utility of end tidal CO₂ in resuscitation.
- Q.8** Discuss transportation of a patient by air.
- Q.9** Discuss serum markers of myocardial injury.
- Q.10** Discuss five drugs which will be used during intubation and mechanical ventilation of a patient.

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