

**M.D. (Anaesthesiology) : SUMMER - 2019**  
**SUBJECT: PAPER-I: BASIC SCIENCES & PRINCIPLES AS APPLIED TO**  
**ANAESTHESIOLOGY**

Day : Saturday  
Date : 01/06/2019

**S-2019-3785**

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

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**N.B.:**

- 1) Draw neat and labelled diagram **WHENEVER** necessary.
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**Long Questions:**

- Q.1** Discuss anatomy of trachea-bronchial tree. What are the various positions given for postural drainage? **(15)**
- Q.2** Describe cerebrospinal fluid circulation and discuss the effects of anaesthetic drugs on cerebral physiology. **(15)**

**Semi-Long questions (Answer any SEVEN)**

- Q.3** Describe second gas effect and its clinical implications. **(10)**
- Q.4** Discuss preanaesthetic evaluation in a patient posted for vascular surgery. **(10)**
- Q.5** Describe classification of vapourizers. **(10)**
- Q.6** Importance of renal function test for management of anaesthesia. **(10)**
- Q.7** Describe venturi principle and enumerate its uses. **(10)**
- Q.8** Contributions of Ralph-Water. **(10)**
- Q.9** How will you evaluate suxamethonium bromide apnoea? **(10)**
- Q.10** How will you sterilize the breathing circuits? **(10)**

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