

**M.D. (ANAESTHESIA): SUMMER-2022**  
**SUBJECT: PAPER-IV**  
**ANAESTHESIOLOGY INCLUDING CRITICAL CARE, PAIN MEDICINE AND**  
**RECENT ADVANCES**

Day : Friday  
Date : 8/7/2022

**S-765-2022**

Time : 01:30 PM-04:30 PM  
Max. Marks : 100

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**N.B.:**

- 1) Draw Diagrams **WHEREVER** necessary.
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**Long Questions**

**(15 Marks Each)**

- Q.1** Describe different regional anaesthesia techniques used for postoperative pain management in knee arthro plasty.
- Q.2** Describe types of shocks and discuss use of inotropes and vasopressor in a particular type of shock.

**Semi-Long Questions (Answer ANY SEVEN)**

**(10 Marks Each)**

- Q.3** Discuss anaesthesia concerns in thalesemia.
- Q.4** Write recent Algorithm for advanced Cardiac Life Support.
- Q.5** What are the different methods of 'Non invasive ventilation' and enumerate factors predicting NIV failure?
- Q.6** What are the Criteria used for clinical diagnosis of brain death?
- Q.7** Describe signs and symptoms of hyponatremia and how will you manage it?
- Q.8** Write a note on uses of USG (ultrasound) imaging in ICU practice.
- Q.9** Describe acute and chronic effects of postoperative pain.
- Q.10** Discuss role of Factor Xa inhibitors in anticoagulation, reversal of their effects and anaesthesia challenges.

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