

Roll No.

Total No. of Pages : 02

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B.Sc. (OTT) (Sem.-3)
PRINCIPLES OF ANAESTHESIA
Subject Code : BSOT-302-19
M.Code : 90340
Date of Examination : 14-12-22

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. **SECTION-A is COMPULSORY** consisting of **TEN** questions carrying **TWO** marks each.
2. **SECTION-B** contains **FIVE** questions carrying **FIVE** marks each and students have to attempt any **FOUR** questions.
3. **SECTION-C** contains **THREE** questions carrying **TEN** marks each and students have to attempt any **TWO** questions.

SECTION-A

1. Write briefly :

- a) Define pulse oximetry and mention the normal range.
- b) What do you mean by regional anaesthesia? Give an example.
- c) What are the side effects of local anaesthesia?
- d) Define CPR and its significance.
- e) Write any five neuromuscular blocking agents along with the dose.
- f) Write short notes on LA pressure.
- g) List the factors that influence tidal volume.
- h) Define neuromuscular transmission.
- i) Define end-tidal carbon dioxide (EtCO₂).
- j) Enlist the different vital signs along with normal range during patient under anaesthesia.

SECTION-B

2. Discuss the various techniques of general anaesthesia.
3. Explain briefly about advance life support and various drugs used in CPR.
4. Enlist various intravenous and inhalational agents along with the dose. What is the rationale behind the utilization of a separate route for anaesthesia?
5. Explain briefly about non-invasive blood pressure and invasive blood pressure. Discuss its significance and relevance.
6. How will you manage and care of a patient with electrolyte imbalance?

SECTION-C

7. Give the complete detail about the regional, spinal and epidural anaesthesia, in which condition this anaesthesia will be administered.
8. Explain in detail about Jackson Rees system.
9. Explain in detail about ethics of anaesthesia and evaluation and management of post-operative pain.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.