



## BRAINWARE UNIVERSITY

Term End Examination 2023-2024

Programme – B.Sc.(PA)-2022

Course Name – General Anesthesia & Surgery

Course Code - BPAC302

( Semester III )

Full Marks : 60

Time : 2:30 Hours

[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable.]

### Group-A

(Multiple Choice Type Question)

1 x 15=15

1. Choose the correct alternative from the following :

- (i) Identify the combination T.I.V.A
- |                          |                               |
|--------------------------|-------------------------------|
| a) propofol+fentanyl     | b) thiopentone + fentanyl     |
| c) propofol+remifentanyl | d) thiopentone + remifentanyl |
- (ii) General anaesthesia includes-
- |                                    |                 |
|------------------------------------|-----------------|
| a) Analgesia                       | b) Amnesia      |
| c) Temporary loss of consciousness | d) All of these |
- (iii) Second gas phenomenon is exhibited by
- |                   |           |
|-------------------|-----------|
| a) Nitrous oxide  | b) Ether  |
| c) Carbon dioxide | d) Oxygen |
- (iv) Write what is the recommended temperature for water used in instrument cleaning?
- |                     |                              |
|---------------------|------------------------------|
| a) Room temperature | b) Hot as possible           |
| c) Cold water       | d) Lukewarm (around 40-45°C) |
- (v) Tell when might a laparoscopic incision be used?
- |                               |                           |
|-------------------------------|---------------------------|
| a) In heart surgery           | b) In gallbladder removal |
| c) In hip replacement surgery | d) In brain surgery       |
- (vi) Diathermy is applied in surgery due to
- |                      |                          |
|----------------------|--------------------------|
| a) Destroy tissue    | b) Coagulate tissue      |
| c) Mixing the tissue | d) Degenerate the tissue |
- (vii) State the primary purpose of a bronchodilator?
- |  |  |
|--|--|
| a) To treat bacterial infections               | b) To reduce inflammation in the bronchial tubes |
| c) To relax and widen the airways in the lungs | d) To improve blood circulation                  |
- (viii) The ideal solution to wash the wound is:
- |                      |             |
|----------------------|-------------|
| a) Saline            | b) Betadine |
| c) Hydrogen peroxide | d) Eusol    |
- (ix) McBurney's grid-iron incision is used in

- a) Cholecystectomy
- b) Appendicectomy
- c) Mastectomy
- d) Ileotomy
- (x) Shock can best be defined as:
  - a) Hypotension
  - b) Hypoperfusion of tissues
  - c) Hypoxemia
  - d) Hypothyroidism
- (xi) Bipolar cautery diathermy is applied for
  - a) washing
  - b) cutting
  - c) coagulation
  - d) sterilization
- (xii) Identify the which results in dissociative anaesthesia
  - a) Propofol
  - b) ketamine
  - c) thiopentone
  - d) halothane
- (xiii) Identify the muscle relaxant of choice in hepatic and renal failure
  - a) Cisatracurium
  - b) Rocuronium
  - c) Vecuronium
  - d) Rapacuronium
- (xiv) Identify the one which is used for the sterilization purpose of swab holding forceps
  - a) Autoclaving
  - b) 2 % cidex solution
  - c) Lysol
  - d) formaldehyde gas
- (xv) Which of the following drug is bactericidal?
  - a) Sulfonamides
  - b) Erythromycin
  - c) Chloramphenicol
  - d) Cotrimoxazole

**Group-B**

(Short Answer Type Questions)

3 x 5=15

- 2. Establish total circulatory collapse based on the pathophysiology of haemorrhage (3)
- 3. Tabulate the Classification of "HAEMORRHAGIC SHOCK" Based on % of Blood Loss, with its features. (3)
- 4. Explain the systemic effect of Propofol (3)
- 5. Illustrate on babcocks tissue forceps (3)
- 6. Enforce a Structure regarding Complications of Blood transfusion. (3)

OR

Write the features of ideal Suture Material. (3)

**Group-C**

(Long Answer Type Questions)

5 x 6=30

- 7. Explain the complication of blood transfusion (5)
- 8. Explain the reason behind your preference of laproscopic cholecystectomy (5)
- 9. Explain about massive blood transfusion with it's adverse effects (5)
- 10. Tell in details about the classifications of Suture materials (5)
- 11. Explain about the various techniques for Sterilisation of instruments. (5)
- 12. Write about are the Complications of Blood transfusions? (5)

OR

Make a review on the indications of Blood transfusions. (5)

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