



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 forcep
 - 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)
