

**VINAYAKA MISSION'S RESEARCH FOUNDATION, SALEM.  
(Deemed to be University)**

**M. Sc (TRAUMA CARE MANAGEMENT) DEGREE  
EXAMINATION – December 2021  
Second Year**

**TRAUMA AND CRITICAL CARE**

Time: Three hours

Maximum: 80 marks

**(Answer all the Questions)**

**SECTION – A**

**I. Write essays of the following: (2 x 15 = 30)**

1. Discuss in detail about etiology and treatment of metabolic acidosis. Add a note on steps of arterial blood gas analysis.
2. Etiology, clinical features, diagnostic considerations and treatment of upper gastro intestinal bleeding.

**SECTION – B**

**II. Write short notes of the following: (8 x 5 = 40)**

1. Clinical features and management of pancreatitis.
2. Describe the intravenous catheter-associated infections.
3. Explain the types and management of respiratory failure.
4. Risk factors, clinical features and management of cardiogenic shock.
5. Causes, clinical features and management of bowel obstruction.
6. Describe the examples of colloids. Add a note on complications of blood transfusion.
7. Causes and management of unconscious patient.
8. Malignant hyperthermia.

**SECTION – C**

**III. Multiple choice questions: (10 x 1 = 10)**

**Select the single best response:**

9. Paradoxical chest movement is the cardinal feature of
  - A. Flail chest
  - B. Tension pneumothorax
  - C. Myocardial contusion
  - D. Hemothorax
10. The triad used in cardiac tamponade is
  - A. Cushings
  - B. Saints
  - C. Becks
  - D. Charcoats

11. Lucid interval is the feature of
  - A. Spinal trauma
  - B. Epidural hematoma
  - C. Extremity trauma
  - D. Thoracic trauma
  
12. Hypoglycemia is blood glucose level less than milligram/deciliter.
  - A. 100
  - B. 90
  - C. 80
  - D. 70
  
13. The other name for fainting is
  - A. Syncope
  - B. Vertigo
  - C. Trismus
  - D. Concussion
  
14. The abnormal physiologic state, the hydrogen ion is less than 7.35 is termed as
  - A. Alkalosis
  - B. Acidosis
  - C. Alcoholics
  - D. Acid balance imbalance
  
17. One of the following is an example of non absorbable suture
  - A. Polyglycolic acid
  - B. Polyglactin
  - C. Nylon
  - D. Catgut
  
18. An artificial airway surgically created airway fashioned by making a hole in the anterior wall of the trachea is
  - A. Tracheostomy
  - B. Intercoastal drainage
  - C. Cricothyroidotomy
  - D. Needle thoracocentesis
  
19. Vomiting present immediately after trauma indicates
  - A. Increased intra cranial pressure
  - B. Decreased intra cranial pressure
  - C. Increased hemorrhage intracranially
  - D. Decreased level of conscious
  
20. Thunder clap head ache is a feature of
  - A. Subarachnoid hemorrhage
  - B. Extradural hematoma
  - C. Subdural hematoma
  - D. Basilar artery hemorrhage

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