

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

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

**PRE HOSPITAL CARE**

Time: Three hours

Maximum: 80 marks

**(Answer all the Questions)**

**SECTION – A**

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

1. Describe the etiology, pathophysiology, clinical features and management of stroke
2. Give a detailed note on Maxillofacial injury

**SECTION – B**

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

3. A focused history and physical examination of medical patients
4. Pathophysiology and assessment of soft tissue injuries
5. Clinical signs and management of Anaphylaxis
6. Intraosseous infusion
7. Epidemiology of Trauma and a brief note on mechanism of injury
8. Assessment and management of patient with Acute Respiratory Distress Syndrome (ARDS)
9. Stages of Hypovolemic shock
10. Child Abuse

**SECTION – C**

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

**Select the single best response:**

11. The syndrome that refers to injury to lateral half of the spinal cord is
  - a. Central cord
  - b. Anterior cord
  - c. Brown – sequard
  - d. Posterior cord
12. The abnormal sympathetic response causes vasodilatation and osteoporosis at the fracture site is
  - a. Osteochondritis
  - b. Frozen hand shoulder syndrome
  - c. Sudeck's osteodystrophy
  - d. Volkmann's ischaemic contracture
13. One of following type of shock that occurs when blood flow to the heart or greater vessels is obstructed
  - a. Neurogenic
  - b. Septic
  - c. Obstructed
  - d. Cardiogenic

14. The clinical test typically performed during a medical physical examination to evaluate for the presence of lung consolidation
- a. whispered pectoriloquy
  - b. spirometry
  - c. Body plethysmography.
  - d. Inhalation challenge test.
15. The relationship between the median effective dose and the median lethal dose is known as
- a. Placebo effect
  - b. Therapeutic ratio
  - c. Pharmacokinetics
  - d. Pharmacodynamics
16. The saline lock is also called as
- a. Buff cap
  - b. Coude tip
  - c. Disinfection cap
  - d. Luer
17. Abnormal pattern of breathing characterized by progressively deeper, and sometimes faster
- a. Eupnea
  - b. cheyne stokes
  - c. costal
  - d. Biot's
18. The pressure is the measurement of air pressure in the atmosphere
- a. Bourdon Gauge
  - b. Piezometer
  - b. Manometers
  - d. Barometric
19. The type of bacterial infection that occurs in the floor of the mouth, under the tongue.
- a. Gingivitis
  - b. ludwig angina
  - c. Herpangina
  - d. Thrush
20. The difference between measured serum osmolality and calculated serum osmolality.
- a. Osmolar gap
  - b. Osmotic Change
  - c. Osmotic gradient
  - d. Osmolarity

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(Sl.No. M22042)