

Sl.No. M19255

Course Code: 2780113

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

**B. Sc (TRAUMA CARE MANAGEMENT) DEGREE  
EXAMINATION – August 2018**

**ADVANCED EMERGENCY CARE AND INSTRUMENTATION**

Time: Three hours

Maximum: 100 marks

**SECTION – A**

**ADVANCED EMERGENCY CARE**

**I. Write an essay on any ONE of the following:** (1 x 15 = 15)

1. Explain in detail about Adult cardiac arrest algorithm.
2. Hypovolemic shock – stages, clinical manifestations and management.

**II. Write short notes on any Five of the following:** (5 x 5 = 25)

3. Cincinnati Prehospital stroke scale and 8D's stroke care.
4. Management algorithm for symptomatic bradyarrhythmia.
5. Oropharyngeal airway.
6. Intravenous cannulation – colour and flow rates of different sizes of cannula and rates of different sizes of cannula and procedural steps.
7. Trauma in pregnancy
8. Pathophysiology, clinical manifestation and management of tension pneumothorax.
9. Acute coronary syndrome – Clinical features and management.

**III. One Mark Questions:** (10 x 1 = 10)

10. Abbreviate – CPR
11. Universal steps for Automated External defibrillator
12. Cardioversion.
13. GEMS Assessment in elderly patient.
14. Tracheal deviation is well known as \_\_\_\_\_ sign.
15. Cushing's Triad.
16. 5 categories of Blast Injuries.

17. A collection of blood in the peritoneal cavity is called as \_\_\_\_\_. (p.t.o)

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18. Distributive shock occurs when there is widespread \_\_\_\_\_ of the resistance blood vessels.

19. Brown sequard syndrome.

## SECTION – B

### INSTRUMENTATION IN EMERGENCY SERVICES

**I. Write an essay on any ONE of the following:** (1 x 15 = 15)

1. Write a detailed note on Ambulance (Types, priority checks and Basic Infra Structure) of an Ambulance.
2. Endo – Tracheal Intubation – definition, indications, equipments, procedure and complications.

**II. Write short notes on any Five of the following:** (5 x 5 = 25)

3. Procedure of suctioning.
4. Sphygmomanometer.
5. Types of medical gases and its uses with examples.
6. Syringe pump – mechanism and priority checks.
7. ECG leads placement using a labeled diagram.
8. Distribution of Inverters.
9. Multipara Monitor.

**III. One Mark Questions:** (10 x 1 = 10)

10. I:E ratio.
11. Abbreviate - UPS
12. Two basic types of Defibrillators.
13. Elaborate – CPAP.
14. Alveolar Ventilation.
15. Normal suction pressure in an Adult is \_\_\_\_\_.
16. Ambulance designed for extremely obese patient is known as \_\_\_\_\_.
17. Band strength of (VHF) very high frequency band is \_\_\_\_\_.
18. Two main factor affect O<sub>2</sub> convection
19. Abbreviate PSVT

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