

VINAYAKA MISSIONS UNIVERSITY, SALEM
M. Sc (TRAUMA CARE MANAGEMENT) DEGREE
EXAMINATION – August 2018
Second Year

EMERGENCY MEDICAL CARE

Time: Three hours

Maximum: 80 marks

(Answer all the Questions)

SECTION – A

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

1. Explain in detail about modes of mechanical ventilation.
2. Describe in detail about equipments needed, seldinger technique and complications of subclavian vein.

SECTION – B

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

3. Management of amputations
4. Add a brief note on needle thoracocentesis
5. Indications and procedure of haemodialysis
6. Principles of wound management
7. Management of increased intracranial pressure
8. Medications given through endotracheal intubation
9. Indications, contraindications and complications of intraosseous infusion
10. Indications in implementation of defibrillation and cardioversion.

SECTION – C

III. Multiple choice questions: (10 x 1 = 10)
Select the single best response:

11. The drug of choice for Torsade de pointes is
 - A. Amiodarone
 - B. Calcium gluconate
 - C. Adenosine
 - D. Magnesium sulphate

(p.t.o.)

12. The bone which is usually fractured during hanging is
 - A. Mandible
 - B. Maxilla
 - C. Hyoid
 - D. Clavicle

13. The name of fracture part that occurs at the level of C2 cervical spine is
 - A. Atlas
 - B. Axis
 - C. Odontoid
 - D. Pedicle

14. Respiratory insufficiency in flail chest more likely to be a result of underlying severity of
 - A. Pulmonary contusion
 - B. Structural defect of the chest wall
 - C. Osteoporosis
 - D. Cardiac injury

15. Untreated acute compartment syndrome or decreased blood supply from an uncorrected arterial injury is
 - A. Myositis ossificans
 - B. Calcified myonecrosis
 - C. Peroneal nerve palsy
 - D. Volkmann's ischemic contracture

16. The spine most susceptible to an injury due to a rear impact collision
 - A. Cervical
 - B. Lumbar
 - C. Thoracic
 - D. Sacro-coccygeal

17. During the primary survey you recognize your patient is in need of immediate ventilator support, you delegate this intervention to a team member and you continue the primary survey. This delegation of interventions is called
 - A. "Just do it" process
 - B. "Treat it as you find it" process
 - C. "Get it done" process
 - D. "Fix it" process

(p.t.o.)
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18. The type of energy that equal to the mass of the object in motion multiplied by the square of the velocity is
- A. Kinetic
 - B. Thermal
 - C. Mechanical
 - D. Electric
19. Spinal shock is characterized by all of the following except
- A. Flaccid sphincters
 - B. Flaccid paralysis
 - C. Absent reflexes
 - D. Hypertension
20. Trauma victim has the following findings on primary survey difficulty breathing, rapid and weak pulse, flat neck veins, midline trachea, decreased breath sounds on the left and dullness to percussion on the left the most likely injury is
- A. Cardiac tamponade
 - B. Flail chest
 - C. Tension pneumothorax
 - D. Massive hemothorax

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