

EMERGENCY MEDICINE

PAPER-IV

Time: 3 hours
Max. Marks:100

EM/D/19/52/IV

Important Instructions:

- Attempt all questions in order.
- Each question carries 10 marks.
- Read the question carefully and answer to the point neatly and legibly.
- Do not leave any blank pages between two answers.
- Indicate the question number correctly for the answer in the margin space.
- Answer all the parts of a single question together.
- Start the answer to a question on a fresh page or leave adequate space between two answers.
- Draw table/diagrams/flowcharts wherever appropriate.

Write short notes on:

1. a) Describe RUSH-VTi protocol. Compare and contrast with original RUSH on basis of pearls and pitfalls. 5+5
b) Discuss the differences in planning resuscitation of for cardiogenic, septic and obstructive shock in ED.
2. a) Recent advances in equipment for emergency airway management. 4+4+2
b) Describe failed airway algorithm in emergency.
c) Pretreatment during DAI.
3. Describe the recent advances in assessment and management of Trauma -
a) Newer techniques, devices and agents for achieving Hemostasis. 4+3+3
b) Results of CRASH -3 trial.
c) Chain of survival in trauma hemorrhagic shock.
4. a) ROC curve - significance for statistical analysis. 2+3+3+2
b) CONSORT guidelines.
c) Microteaching techniques.
d) Odds ratio and relative risk.
5. a) Recent advances in Cardio-pulmonary resuscitation. 5+5
b) Recent advances in management of stroke.
6. a) Clinical features and management of geriatric trauma. 4+2+4
b) Good Samaritan Law.
c) Factors and mitigation strategy of violence in Emergency department.

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| 7. | a) HINTS Test.
b) White Cerebellar Sign.
c) Drawers Test.
d) Ottawa Knee and ankle rule. | 3+2+2+3 |
| 8. | a) Ultrasound guided CPR.
b) Ultrasound guided triage.
c) Pediatric Emergency Ultrasound Protocols.
d) Water-bath Technique of ultrasound. | 4+2+2+2 |
| 9. | a) Role of Telemedicine in Emergency care.
b) Simulation as a teaching tool in Emergency.
c) Tactical casualty combat care – guidelines. | 3+3+4 |
| 10. | a) Quality improvement research in Emergency Medicine.
b) Communication skill in Emergency department.
c) Common errors in Emergency and patient safety issue -
medicolegal aspect. | 4+3+3 |
