

EMERGENCY MEDICINE

PAPER-IV

Time: 3 hours
Max. Marks:100

EM/J/20/52/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) Use of POCUS in COVID-19 infections. 5+3+2
b) Hydroxychloroquine use and COVID-19.
c) Dexamethasone in COVID-19.
2. a) Sample size calculation for a research study in ED. 4+3+3
b) Write briefly about Cox Regression model.
c) Forest plot.
3. a) 'Do not attempt resuscitation' guidelines by ICMR. 7+3
b) Euthanasia.
4. a) Discharge against medical advice from ED. 4+3+3
b) Medico-legal implications of a prisoner absconding from ED.
c) How to declare a patient "brought dead"?
5. a) Pre-requisites before initiating clinical tests to declare a patient 'brain dead'. 2+5+3
b) Clinical tests required to be done to declare a patient 'brain dead'.
c) Care of patient who has been declared 'brain dead' and is a potential organ donor.
6. a) Airway ultrasound in Emergency department. 4+3+3
b) Broselow tape.
c) Nerve blocks in a trauma patient.
7. a) Greif Counselling. 5+5
b) Home isolation of a COVID-19 positive patient.
8. a) FISH bone analysis for quality improvement in ED. 4+(3+3)
b) DAWN and DIFFUSE-3 Trials.
9. a) MEWS score. 4+3+3
b) Prehospital antibiotic therapy in suspected sepsis.
c) Vancomycin as an empiric treatment in sepsis.
10. a) Evaluation and management of a neonate with fever. 5+5
b) Evaluation and management of a febrile infant between 1-12 months of age.
