

# Question Paper

Exam Date & Time: 25-Jun-2024 (10:00 AM - 01:00 PM)



## MANIPAL ACADEMY OF HIGHER EDUCATION

**FOURTH SEMESTER M.Sc. EMERGENCY MEDICAL TECHNOLOGY DEGREE EXAMINATION - JUNE 2024**  
**SUBJECT: EMT6221 - PUBLIC HEALTH AND COMMUNITY ENGAGEMENT**  
**(2022 SCHEME)**

**Marks: 100**

**Duration: 180 mins.**

**Answer all the questions.**

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|-----|--|------|
| 1)  | Describe EMS and Public Health. Enumerate 10 areas of collaboration between EMS and Public Health.   | (20) |
| 2)  | Describe an EMS service in India with respect to the scope, operation and challenges.  | (20) |
| 3A) | Describe the various modes of disease transmission with one preventive measure for each.   | (10) |
| 3B) | List 5 substances of addiction and enumerate 5 effects of addiction on health.   | (10) |
| 3C) | List the various nutritional deficiencies that you may encounter in pediatric, geriatric populations and women and one example of public health program for addressing for each group. | (10) |
| 3D) | Describe the role of EMS in control of heart diseases.   | (10) |
| 4A) | Describe the different levels of PPE with application for each.  | (5)  |
| 4B) | Write the national immunization schedule and 3 vaccinations recommended for healthcare workers.  | (5)  |
| 4C) | You are dropping a 45-year-old male discharged post femur fracture fixation home. What would you consider at his residence and what advice would you offer?                            | (5)  |
| 4D) | Write a note on hazard communication.  | (5)  |

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**FOURTH SEMESTER M.Sc. EMERGENCY MEDICAL TECHNOLOGY DEGREE EXAMINATION - JUNE 2024**  
**SUBJECT: EMT6222 - GERIATRIC AND HOME CARE**  
**(2022 SCHEME)**

**Marks: 100**

**Duration: 180 mins.**

**Answer all the questions.**

- 1) Describe the anatomical and physiological differences between a young adult and a geriatric patient with respect to airway management. (20)
- 2) Describe the pre-hospital response of a 79-year-old female patient with C/O altered mental status (Unresponsive) on medication for bronchial asthma and diabetes mellitus. (20)
- 3A) Explain the risk factors and identification of pneumonia in an 82-year-old male with Alzheimer's disease. (10)
- 3B) What are the cardiovascular conditions that may cause a geriatric patient to become unconscious? Briefly explain the treatment (prehospital) of the conditions mentioned. (10)
- 3C) What are the considerations during pre-hospital care in a geriatric patient with poly-trauma? (10)
- 3D) Enumerate the factors that determine continued care versus in-hospital care in bed ridden patient with CVA since last 3 Years. (10)
- 4A) Briefly describe CPR in a geriatric patient. (5)
- 4B) List the causes of seizure's in a geriatric patient. (5)
- 4C) Describe the steps of management in bed sore with help of flow chart. (5)
- 4D) Describe the steps in tracheostomy care of a patient with CVA and VAP. (5)

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