

Question Paper

Exam Date & Time: 23-May-2024 (10:00 AM - 12:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

SIXTH SEMESTER B.Sc. EMERGENCY MEDICAL TECHNOLOGY DEGREE EXAMINATION - MAY/JUNE 2024
SUBJECT: EMT3202- TELE EMERGENCY MEDICINE
(2020 SCHEME)

Marks: 50

Duration: 120 mins.

Answer all the questions.

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|-----|---|------|
| 1) | Explain the advantages and contribution of telemedicine and its application in healthcare system. | (10) |
| 2) | Discuss the importance of legal, ethical aspects and patient privacy in telemedicine. | (10) |
| 3A) | Write a short note on role of telemedicine in Disaster management | (5) |
| 3B) | Explain the challenges faced in wireless communications. | (5) |
| 3C) | Describe the components of effective communication system. | (5) |
| 3D) | Explain the importance of Telemedicine in Emergency Medical Services. | (5) |
| 4A) | What is DICOM? | (2) |
| 4B) | Mention ANY TWO types of transceivers | (2) |
| 4C) | Expand ATMISTER | (2) |
| 4D) | Define Telecardiology. How is it benefited? | (2) |
| 4E) | List ANY FOUR future directives of Telemedicine | (2) |

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Question Paper

Exam Date & Time: 25-May-2024 (10:00 AM - 12:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

SIXTH SEMESTER B.Sc. EMT DEGREE EXAMINATION - MAY/JUNE 2024
SUBJECT: EMT3203 - DISASTER MANAGEMENT
(2020 SCHEME)

Marks: 50

Duration: 120 mins.

Answer all the questions.

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|-----|---|------|
| 1) | Explain the role of hospitals in disaster. Classify the effects of disaster on healthcare facilities. | (10) |
| 2) | Describe pre-hospital disaster communication and management. | (10) |
| 3A) | Classify the types of blast injury with example. | (5) |
| 3B) | Explain the pre- and post-incident action plan for earthquake. | (5) |
| 3C) | Describe the different levels of Personal Protective Equipment. | (5) |
| 3D) | Summarize the disaster life cycle. | (5) |
| 4A) | What are the examples for man-made disasters? | (2) |
| 4B) | List out the reasons for flooding. | (2) |
| 4C) | What are the responsibilities of an Emergency Medical Services in disaster? | (2) |
| 4D) | What are the effects of disaster in health system? | (2) |
| 4E) | Expand "METHANE". | (2) |

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Question Paper

Exam Date & Time: 27-May-2024 (10:00 AM - 12:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

SIXTH SEMESTER B.Sc. EMT DEGREE EXAMINATION - MAY/JUNE 2024
SUBJECT: EMT3221 - CPR BLS ACLS and ATLS
(2020 SCHEME)

Marks: 50

Duration: 120 mins.

Answer all the questions.

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|-----|---|------|
| 1) | Define Shock. Explain the pathophysiology, etiology, clinical presentation, management of hemorrhagic Shock, Add a note on classification of hemorrhagic shock. | (10) |
| 2) | Illustrate the adult cardiac arrest and post cardiac arrest algorithm. | (10) |
| 3A) | Describe the steps involved in basic life support | (5) |
| 3B) | Explain the AHA ACS algorithm | (5) |
| 3C) | Classify intracranial hemorrhage and add a note on epidural hematoma (EDH) | (5) |
| 3D) | Classify head of femur fracture and explain the initial stabilization | (5) |
| 4A) | Write the importance of chest compression fraction (CCF) | (2) |
| 4B) | Mention the signs persistent tachycardia / unstable tachycardia | (2) |
| 4C) | Write the difference between second degree type 1 and type 2 AV block | (2) |
| 4D) | What are the key steps in the in- hospital chain of survival for emergency situation? | (2) |
| 4E) | Write about young- burgess classification in pelvic trauma | (2) |

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Question Paper

Exam Date & Time: 29-May-2024 (10:00 AM - 12:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

SIXTH SEMESTER B.Sc. EMT DEGREE EXAMINATION - MAY/JUNE 2024
SUBJECT: EMT3242 - PROGRAM ELECTIVE - II : OUTDOOR LEADERSHIP
(2020 SCHEME)

Marks: 50

Duration: 120 mins.

Answer all the questions.

- 1) Explain the steps of jumaring in Rope rescue and extrication. (10)
- 2) You are attending a disaster response call in Agumbe for a horrendous Landslide as a first responder. (10)
 - Devise a disaster Response Plan
 - List out the expected challenges in a landslide.
 - Name the extrication devices and First aid equipment's required.
- 3A) Explain any 4 techniques of Leave No Trace concept. (5)
- 3B) Name any 5 scuba diving equipment's and briefly describe their use. (5)
- 3C) Describe 5 Conservation actions. (5)
- 3D) What are the 5 elements of outdoor leadership? Briefly describe each. (5)
- 4A) How do simulated scenarios help in the practical application of medical kits during rescue missions? (2)
- 4B) Define search and rescue. (2)
- 4C) What is the breaking strength of a Gri Gri (2)
- 4D) How does adequate rest contribute to overall physical well-being in challenging environments? (2)
- 4E) Name 2 hemotoxic and 2 neurotoxic venomous snakes in India. (2)

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