

Question Paper

Exam Date & Time: 16-Aug-2022 (10:00 AM - 01:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

SECOND YEAR NURSE PRACTITIONER CRITICAL CARE POST GRADUATE RESIDENCY PROGRAM EXAMINATION -
AUGUST 2022

SUBJECT: FOUNDATIONS OF CRITICAL CARE NURSING PRACTICE (NP 701.1TH)

Marks: 70

Duration: 180 mins.

Answer all the questions.

Draw the diagrams wherever necessary.

Essay:

1. Mr. X 55 years is admitted to the emergency department with the complaints of severe chest pain and profuse sweating. Physical examination findings are; heart rate -35 /Min, Respiration -14/min, BP- 90/60 mmHg, O₂ saturation - 92%. Mr. X is responding to verbal commands but drowsy. 12 lead ECG shows Mobitz Type II conduction disorder. Answer the following with regard to management of Mr. X's condition.

- 1A) Explain the appropriate algorithm to manage Mr. X's health status as recommended by American Heart Association with justification. (8)
- 1B) Discuss the components of team dynamics during this situation. (7)

Answer all the questions.

2. Mr. X, a 70-year-old man, was brought to the emergency room in an unresponsive state after falling and briefly losing consciousness the day before. His condition deteriorated after he arrived at the emergency room. On examination the heart rate was 120/min, blood pressure 140/90 mm of Hg, and SPO₂-97% on room air.

- 2A) Discuss the neurological assessment to be done for Mr. X. (7)
- 2B) Explain the role of nurse practitioner in the monitoring of Mr. X in the ICU. (8)

Answer all the questions.

3. Short note:

- 3A) Discuss the infection control policies for the prevention of central line-associated bloodstream infection. (6)
- 3B) Discuss technology in critical care with any TWO examples. (6)
- 3C) Explain decision making in the care of dying. (6)
- 3D) Elaborate opioids for pain management in the ICU. (6)
- 3E) Elaborate the care of patient on parenteral nutrition. (6)

Answer all the questions.

4. Short answer:

- 4A) Elaborate manures in airway management. (2)
- 4B) Explain the care of the family of critically ill patients. (2)
- 4C) Describe the counseling needs of patient and family. (2)
- 4D) Discuss any TWO ethical issues in critical care. (2)
- 4E) Describe staffing in ICU. (2)

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Question Paper

Exam Date & Time: 18-Aug-2022 (10:00 AM - 01:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

SECOND YEAR NURSE PRACTITIONER CRITICAL CARE POST GRADUATE RESIDENCY PROGRAM EXAMINATION -
AUGUST 2022

SUBJECT: CRITICAL CARE NURSING - I (NP 702.1TH)

Marks: 70

Duration: 180 mins.

Answer all the questions.

Draw the diagrams wherever necessary.

Essay:

1. Mr. X, 45 years old college lecturer, was brought to emergency department followed by a road traffic collision. He got a big laceration over his right forehead and multiple abrasions over the face and both upper limbs. After initial assessment he was diagnosed as fronto temporo parietal hematoma and underwent surgical management of evacuation of hematoma. Answer the following in relation to Mr. X:

- 1A) Emergency department assessment. (7)
1B) Role of nurse practitioner in the maintaining intra cranial pressure (ICP). (8)

2. Mr. Y, aged 70 years came to the emergency ward with the chief complaints of breathlessness and chest pain. He is a known case of coronary artery disease since ten years. He has undergone coronary angioplasty one month back. Describe the following with relation to Mr. Y.

- 2A) Focused history collection and assessment. (6)
2B) Investigations to be done with rationale. (6)
2C) Role of nurse practitioner in emergency management with rationale. (3)

3. Short note:

- 3A) Describe intra-Aortic balloon pump. (6)
3B) Explain the presenting symptoms and treatment for diabetic keto acidosis (DKA). (6)
3C) Explain the stepwise approach for pharmacological management of Asthma. (6)
3D) Describe the management of patient with acute intestinal obstruction. (6)
3E) Explain the classification of seizures. (6)

4. Short answer:

- 4A) List the principles of hemodialysis. (2)
- 4B) List the physical examination findings in a patient with acute pancreatitis. (2)
- 4C) List the chest X-ray findings in patients with pulmonary embolism. (2)
- 4D) List the treatment for myxedema coma. (2)
- 4E) List Any two abnormal breath sounds. (2)

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Question Paper

Exam Date & Time: 22-Aug-2022 (10:00 AM - 01:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

SECOND YEAR NURSE PRACTITIONER CRITICAL CARE POST GRADUATE RESIDENCY PROGRAM EXAMINATION -
AUGUST 2022

SUBJECT: CRITICAL CARE NURSING - II (NP 703.1TH)

Marks: 70

Duration: 180 mins.

Answer all the questions.

Draw the diagrams wherever necessary.

Essay:

1. Mr X, 24 years old male who was injured by fire crackers was brought to the Emergency Department. On assessment he has burns to his anterior chest, face, neck, and right arm. On arrival the pulse was 66 beats/minute, BP 100/62 mmHg, respiratory rate 20 breaths/ minute, Saturation 95% and GCS was 10. Answer the following:

- 1A) Explain the classification of burns based on the depth and extent. (8)
- 1B) Explain the management of Mr X. (7)

2. Mr X 72 years is presented to the emergency department with a history of motor vehicle collision after which he developed pain on inspiration and dyspnea. Initial examination showed tenderness on palpation, crepitus, and chest wall deformity with signs of ventilatory insufficiency. Answer the following in relation to the above scenario:

- 2A) Discuss the assessment of Mr X. (7)
- 2B) Describe the role of nurse practitioner in the management Mr X. (8)

3. Short Note:

- 3A) Explain the physiological changes during the second trimester of pregnancy. (6)
- 3B) Discuss the management of poisoning in children. (6)
- 3C) Describe the challenges in medication use among elderly. (6)
- 3D) Describe the role of nurse practitioner in crisis intervention. (6)
- 3E) Explain the factors that influence the choice of anaesthetic technique. (6)

4. Short Answer:

- 4A) Explain the strategies to minimize blood loss among patients in critical care. (2)
- 4B) Discuss the physical examination findings in the diagnosis of thrombocytopenia. (2)

- 4C) Describe the clinical features of Leptospirosis. (2)
- 4D) List the causes of hypotension in the Post anesthesia Care Unit. (2)
- 4E) Describe the clinical features of Tetanus. (2)

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