

M.Sc. Nursing (Nurse Practitioner in Critical Care)

[1st Year]

BF/2020/10

**Research Application and Evidence
Based Practice in Critical Care**

[Common for all]

[NEW SCHEME-w.e.f. 2017 admission]

Time : 3 Hours

Max Marks : 70

Note: 1.) Attempt all questions.

2.) NO SUPPLEMENTARY SHEET SHALL BE ALLOWED /PROVIDED.

3.) The Student must write Q.P. Code in the space provided on the Title Page of the Answer Book.

- 1.(i) (a) Define Research Problem. [3]
(b) Define Variables. What are the different types of variables? [6]
(c) Discuss the difference between Hypothesis and Assumption. [6]

OR

- (ii) (a) What are the different types of Research Design? [5]
(b) Discuss Qualitative Research Design in detail. [10]
2. (a) Differentiate between Reliability and Validity. [5]
(b) What are the different methods to assess Reliability? [10]
3. Discuss the Historical Evolution of Research in Nursing. [10]
4. (a) Define Sample and Sampling. [4]
(b) Discuss the criteria for selection of Sample Size. [6]
5. **Write Short Notes on any FOUR of the following :** [4x5=20]
(a) Research Process
(b) Research Objectives
(c) Conceptual Framework
(d) Cluster Sampling
(e) Rating Scales
(f) Paper Presentation
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M.Sc. Nursing (Nurse Practitioner in Critical Care) [1st Year]

BF/2020/10

**Advanced skills in Leadership Management
and Teaching Skills**

[Common for all]

[NEW SCHEME-w.e.f. 2017 admission]

Time : 3 Hours

Max Marks : 70

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- 1.(i) Compare Competency based education and Outcome based education in detail. [15]

OR

- (ii) Devise a checklist to evaluate Staff nurses' performance to be promoted as a Nursing Supervisor [15]
2. (a) Discuss the process and types of Communication. [8]
(b) What are Essential Communication Skills that nurses need to have? [7]
3. Define Quality assurance. Discuss the process of quality assurance in Nursing. [10]
4. Why is Time management essential? Discuss the strategies for effective time management. [10]
5. **Write Short Notes on any FOUR of the following :** [4x5=20]
(a) Principles of Management
(b) Decision making Steps
(c) Leadership Theories
(d) Conflict Management Strategies
(e) Team Building
(f) Quality Improvement
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M.Sc. Nursing (Nurse Practitioner in Critical Care) [1st Year]

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Advanced Pathophysiology and Advanced Pharmacology relevant to Critical Care

[Common for all]

[NEW SCHEME-w.e.f. 2017 admission]

Time : 3 Hours

Max Marks : 70

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1. (a) Describe pathophysiological process of Acute Renal Failure. [5]
(b) Discuss the medical and nursing management of Acute Renal Failure. [8]
2. (a) Explain pathophysiology of Bronchial Asthma. [5]
(b) Discuss the medical and nursing management of Bronchial Asthma. [8]
3. (a) Classify Anti hypertensive drugs. [5]
(b) Mechanism of action of Anti hypertensive drugs. [4]
(c) Pharmacological management of Acute coronary syndrome. [5]
4. Answer briefly any FIVE of the following : [5x2= 10]
(a) Differentiate between Vasodilator and Vasoconstrictive drugs.
(b) Difference between Cardiac tamponade and Pericardial effusion.
(c) Semi flower position is advised for patients with COPD. Why?
(d) Prone position is advised for ARDS patients who are in ventilator support. Why?
(e) Checking Heart rate of patients who are receiving digitalis drugs. Why?
(f) Monitoring the Serum electrolyte while patients receiving Loop diuretics. Why?
(g) Pathophysiological process for Hypotension.
5. Write Short Notes on any FOUR of the following : [4x5=20]
(a) Hepatitis A
(b) Intestinal Obstruction
(c) Diabetic Ketoacidosis
(d) Fracture
(e) CABG
(f) Anticoagulant Therapy
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Advance Health/ Physical Assessment

[Common for all]

[NEW SCHEME-w.e.f. 2017 admission]

Time : 3 Hours

Max Marks : 70

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1.(i) **Mrs. X 50 year, is admitted in Onco Surgery Ward with diagnosis of CA Breast and planned for Modified radical mastectomy.**

- (a) Write down the specific assessment that will be done on Mrs. X. [3]
(b) Discuss investigations to be carried out for the Patient. [6]
(c) Describe in detail pre-post assessment, preparation of Patient before Modified radical mastectomy. [6]

OR

(ii) **Mrs. Y, admitted in Emergency Ward with diagnosis of Heart Failure.**

- (a) Write down detailed assessment along with specific history of the Patient. [8]
(b) Discuss investigations to be carried out for the Patient. [7]

2. **Mr. Raju, 70 years' admitted in Dialysis Unit with diagnosis of Chronic Renal Failure.**

- (a) Write down the general physical examination of Patient. [3]
(b) What specific diagnostic investigations Patient has to undergo. [6]
(c) Write down in detail the pre-post assessment preparation before Hemodialysis. [6]

3. (a) Discuss in detail the assessment for Diabetic insipidus. [5]
(b) Diagnostic investigation for Myasthenia gravis. [5]

4. (a) Write down specific assessment of Postnatal Mother. [5]
(b) Discuss Nutritional assessment of Toddler. [5]

5. **Write Short Notes on any FOUR of the following :** [4x5=20]

- (a) Endoscopy
(b) Neuro Assessment
(c) Pulmonary Function Test
(d) Bone Marrow Aspiration
(e) Physical Assessment of Elderly
(f) Liver Function Test
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QP Code: MNP105

M.Sc. Nursing (Nurse Practitioner in Critical Care)
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Theoretical Basis For Advanced Practice Nursing

[Common for all]

[NEW SCHEME-w.e.f. 2017 admission]

Time : 3 Hours

Max Marks : 70

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- 1.(i) (a) Define Nursing process and briefly explain its components. [5]
(b) Discuss the methods of Physical examination. [5]
(c) Discuss the types of Nursing diagnosis with examples. [5]

OR

- (ii) (a) Briefly discuss the Model of Healthcare delivery system in India. [5]
(b) Discuss the components of Primary Healthcare in India. [5]
(c) Discuss the role of nurse practitioner in Tertiary prevention. [5]
2. (a) Discuss the components of National Health Policy. [8]
(b) Discuss briefly about the Last five-year plan and its implication in healthcare. [7]
3. (a) Explain the legal and ethical aspects of Critical Care Nursing. [10]
4. (a) Discuss briefly about Healthcare challenges in India. [10]

5. **Write Short Notes on any FOUR of the following :** [4x5=20]

- (a) New Education Policy and Nursing Education
(b) Application of Roy's adaptation theory in caring critically ill Patients
(c) Hospital Information System
(d) Macroeconomics in Healthcare in India
(e) Principles of Ethical Nursing Practice
(f) Self Learning Assignments
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M.Sc. Nursing (Nurse Practitioner in Critical Care) [2nd Year]

BF/2020/10

Foundation of Critical Care Nursing Practice

[Common for all]

[NEW SCHEME-w.e.f. 2017 admission]

Time : 3 Hours

Max Marks : 70

- Note: 1.) *Attempt all questions.*
2.) *NO SUPPLEMENTARY SHEET SHALL BE ALLOWED /PROVIDED.*
3.) *The Student must write Q.P. Code in the space provided on the Title Page of the Answer Book.*

- 1.(i) A young boy 18 years old is admitted in Intensive Care Unit since last 10 days with multiple injuries following road traffic accident. The treating team said that the patient is going in Multiple Organ System Failure. Answer the following questions.
- (a) Discuss the parameters to be considered for Multiple Organ System Failure? [6]
(b) Discuss the Nursing management of the patient. [5]
(c) As a nurse how will you Counsel the caregivers of the patient. [4]
2. Mrs X is admitted in CTVS ICU after CABG and is on Ventilator. Answer the following questions ?
- (a) Discuss the indications for putting the patient on Ventilator. [5]
(b) Discuss the comprehensive management of the patient on Ventilator. [10]
3. (a) Discuss various Electrolyte Imbalances a critical sick patient can develop. [5]
(b) How will you manage such patients ? [5]
4. (a) How will you Assess Nutritional Status in a critical ill patient ? [4]
(b) Discuss various management strategies to manage the Nutritional Status of the patient. [6]
5. Answer briefly any **FOUR** of the following : [4x5=20]
- (a) Scope of Critical Care Nursing in India
(b) Infection Control in ICU
(c) DIC (Disseminated Intravascular Coagulation)
(d) Restraints in ICUs
(e) Use of Full Outline of Unresponsiveness (FOUR) Scale in ICU
(f) Advanced Cardiac Life Support (ACLS)
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M.Sc. Nursing (Nurse Practitioner in Critical Care) [2nd Year]

BF/2020/10

Critical Care Nursing- I

[Common for all]

[NEW SCHEME-w.e.f. 2017 admission]

Time : 3 Hours

Max Marks : 70

- Note: 1.) *Attempt all questions.*
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3.) *The Student must write Q.P. Code in the space provided on the Title Page of the Answer Book.*

- 1.(i) (a) Explain pathophysiology of Heart Failure. [5]
(b) List the signs and symptoms in Heart Failure. [2]
(c) Discuss medical and nursing management of patient in Heart Failure. [8]
2. (a) Describe Gullian Barr Syndrome (GB Syndrome) and its causes. [4]
(b) What clinical manifestations the patient is likely to have with GB Syndrome ? [3]
(c) Explain medical and nursing management for a patient with GB Syndrome. [8]
3. (a) Explain the nursing management of patient on Long Term Mechanical Ventilation. [5]
(b) Discuss the care of patient having Chest Tube Drainage. [5]
4. (a) Discuss the care of patient with Hepatic Failure. [5]
(b) Explain the care of patient having Diabetic Ketoacidosis. [5]
5. **Answer briefly any FOUR of the following :** [4x5=20]
(a) VAP Bundle
(b) ECMO (Extra Corporeal Membrane Oxygenation)
(c) Postural Drainage
(d) Cardio version
(e) Atelectasis
(f) Head Injury
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Critical Care Nursing- II

[Common for all]

[NEW SCHEME-w.e.f. 2017 admission]

Time : 3 Hours

Max Marks : 70

- Note: 1.) *Attempt all questions.*
2.) *NO SUPPLEMENTARY SHEET SHALL BE ALLOWED /PROVIDED.*
3.) *The Student must write O.P. Code in the space provided on the Title Page of the Answer Book.*

- 1.(i) (a) Discuss the clinicopathology of Sickle Cell Anemia. [4]
(b) What investigations will be carried out to confirm the diagnosis of Sickle Cell Anemia. [4]
(c) Discuss the medical and nursing management of a patient with Sickle Cell Anemia. [7]
2. (a) Define Multiple Organ Dysfunction. [2]
(b) What are the signs & symptoms and pathophysiology of Multiple Organ Dysfunction. [5]
(c) Write the medical and nursing management of a patient suffering with Multiple Organ Dysfunction. [8]
3. (a) Describe the indications and management of a patient receiving Local Anesthesia. [5]
(b) Discuss the different anesthetic agents used during General Anesthesia. [5]
4. (a) Discuss the Long Term Complications of critical care with special emphasis on Care Transition. [5]
(b) Discuss the hospital associated risk factors for Older Adults. [5]
5. **Answer briefly any FOUR of the following :** [4x5=20]
(a) HELLP Syndrome
(b) Neonatal Sepsis
(c) Common Health Problems in Older Adults & their Nursing Management
(d) Management of Obstructed Labor
(e) Management of Eye Injury
(f) Non Cardiogenic Pulmonary Edema
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