

M.Sc. Nursing (Nurse Practitioner in Critical Care)
[1st Year]

BF/2023/12

**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. Discuss the importance of EBP in critical care nursing. Discuss the steps of EBP. [15]
2. Discuss the significance of research for the development of advanced nursing practice. Discuss your reply with examples from critical care nursing. [15]
3. **Short Answers on any FIVE of the following:** [5x6=30]
 - (a) Steps of conducting phenomenological research
 - (b) Significance of research for the development of advanced nursing practice.
 - (c) Characteristics of a good instrument/tool
 - (d) Methods of establishing reliability of a newly development tool
 - (e) Process of publication of an article
 - (f) Conceptual framework
 - (g) Overcoming the barriers in implementation of EBP
4. **Very Short Answers on any FIVE of the following:** [5x2=10]
 - (a) Operational definition
 - (b) Limitations and delimitations of a research study
 - (c) Systemic sampling technique
 - (d) Pyramid showing Hierarchy of evidence
 - (e) SPSS
 - (f) Non probability sampling technique.

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Advanced skills in Leadership Management and Teaching Skills

[Common for all]

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1.
 - (a) What are the communication skills require to manage ICU? [7]
 - (b) What changes and innovations needed in ICU for quality improvement. [8]
2.
 - (a) What is competency based education and outcome based education. [4]
 - (b) You are appointed as a Nurse educator in hospital which are the best methods and media you can utilize for educating staff and patients in critical care setting? [11]
3. **Short Answers on any FIVE of the following:** [5x6=30]
 - (a) Motivating and mentoring in ICU
 - (b) Currents trends in Leadership
 - (c) Nursing audit in clinical set up
 - (d) Material management in ICU
 - (e) Pedagogy used in clinical set up
 - (f) Staff evaluation process
4. **Very Short Answers on the following:** [5x2=10]
 - (a) What is outcome based education?
 - (b) Expand ABC and VED analysis
 - (c) Enlist the main features of budget
 - (d) Write methods to evaluate patient care
 - (e) Write any four functions of a leader

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Advanced Pathophysiology and Advanced Pharmacology relevant to Critical Care

[Common for all]

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1. The pathophysiology process of different types of valvular disorders, its medical, surgical and nursing management. [15]
2. The pathophysiological process of chronic renal failure (CRF), its clinical manifestation, medical and nursing management. [15]
3. **Short Answers on any FIVE of the following :** [5x6=30]
 - (a) Cardiomyopathy
 - (b) Respiratory failure
 - (c) Guillain-Barre syndrome
 - (d) End- stage renal disease (ESRD)
 - (e) Crohn's disease
 - (f) Adrenal crisis
 - (g) Haemophilia
4. **Very Short Answers on any FIVE of the following :** [5x2=10]
 - (a) Cardiac arrhythmia
 - (b) Seizure disorder
 - (c) Multiple organ dysfunction syndrome (MODS)
 - (d) Medications used during dialysis
 - (e) Types of wounds and stages of wound healing
 - (f) Obstructed labour

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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. **A 24 year old Male is admitted in the ICU with T.B meningitis.**

- (a) What is the specific assessment? [5]
- (b) What investigations are required? [5]
- (c) Preparation for a post assessment after Lumber puncture. [5]

2. **A 80 year old patient is admitted with stroke.**

- (a) What is the specific assessment? [5]
- (b) What investigations are required? [5]
- (c) Preparation for CT scan. [5]

3. **Short Answers on any FIVE of the following :**

[5x6=30]

- (a) PET scan
- (b) Physical examination on cardiovascular system
- (c) Nutritional assessment of a 3 year old child
- (d) Echocardiography
- (e) Coronary angiography
- (f) Mental status examination

4. **Write Very Short Answers on any FIVE of the following :**

[5x2=10]

- (a) Pain assessment
 - (b) Thyroid function test-normal values
 - (c) Biochemical markers in MI
 - (d) Bronchoscopy
 - (e) Assessment of muscle strength
 - (f) Hemogram
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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. Discuss the role of a nurse in preventive, promotive, curative health care services in the critical care setting. [15]
2. Explain nursing process approach with nursing diagnosis of each aspects as a individual, family and community. [15]
3. **Short Answers on any FIVE of the following :** [5x6=30]
 - (a) Quality assurance in nursing
 - (b) Philosophy of advanced nurse practice
 - (c) Explain about Roy adaptation model.
 - (d) National health policy
 - (e) Importance of epidemiology in clinical practice
 - (f) Ethical dimensions of advanced nurse practice
4. **Very Short Answers on any FIVE of the following :** [5x2=10]
 - (a) Accreditation
 - (b) Types of nurse practitioner
 - (c) Secondary level health care
 - (d) Nursing informatics
 - (e) Team nursing
 - (f) Health care financing

M.Sc. Nursing (Nurse Practitioner in Critical Care) [2nd Year]

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Foundation of Critical Care Nursing Practice

[Common for all]

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

Time : 3 Hours

Max Marks : 70

- Note:*
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1.
 - (a) Explain various gadgets used in CCU. [8+7=15]
 - (b) Discuss outcome and scoring systems in evaluation of critically ill patients.
2.
 - (a) Explain the nutritional assessment of a critically ill patient. [5+10=15]
 - (b) Describe the role of nurse in ICU management.
3. **Short Answers on any FIVE of the following :** [6x5=30]
 - (a) ICU psychosis
 - (b) ACLS
 - (c) Management of glycaemic imbalance
 - (d) Pain assessment
 - (e) Strategies to promote the evidence-based practice
 - (f) Quality assurance model
 - (g) Need of family education and counselling
4. **Very Short Answers on any FIVE of the following :** [5x2=10]
 - (a) Richmond agitation sedation scale
 - (b) RIFLE criteria
 - (c) Hospital association infection
 - (d) Dolls eye reflex
 - (e) Apnea test
 - (f) Myxedema coma
 - (g) Aneurysm

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Critical Care Nursing- I

[Common for all]

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

Time : 3 Hours

Max Marks : 70

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1. **Mr Ram 35 year old is admitted in Emergency room with Acute intestinal obstruction.**
 - (a) What are the etiological factors of intestinal obstruction? [4]
 - (b) Write down sign and symptoms along with complications and pathophysiology of disease. [6]
 - (c) Explain pre op. and post operation management of patient. [5]

2. **58 year old Seema is admitted in ICU with complications of Chronic renal failure.**
 - (a) Write down clinical presentation of patient with complications. [5]
 - (b) Discuss medical, surgical and nursing care of patient. [6]
 - (c) Write down care of Ms Seema on hemodialysis. [4]

3. **Short Answers on any FIVE of the following :** [5x6=30]
 - (a) CABG
 - (b) Acute respiratory failure
 - (c) Status epilepticus
 - (d) Diabetic ketoacidosis
 - (e) Oxygen therapy
 - (f) Liver transplant

4. **Very Short Answers on any FIVE of the following :** [5x2=10]
 - (a) Define mechanical ventilation.
 - (b) What is Deep vein thrombosis?
 - (c) Write down etiology of Pneumonia.
 - (d) Enlist sign and symptoms of Thyroid storm
 - (e) Define Myasthenia gravis
 - (f) Define Cardiac arrest

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Critical Care Nursing- II

[Common for all]

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

Time : 3 Hours

Max Marks : 70

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

1. (a) What is Antepartum Hemorrhage. [2+6+7=15]
(b) Write the sign & symptoms & possible investigations that the patient will undergo
(c) Discuss in detail the management of a patient with Antepartum Hemorrhage.
 2. (a) Discuss the different types of Anesthesia. [4+4+7=15]
(b) Write the effect of anesthesia on cardiac function.
(c) Discuss the post anesthetic management of hypothermia in post CABG patient.
 3. **Short Answers on any FIVE of the following :** [5x6=30]
 - (a) Acute bronchopneumonia
 - (b) Retinal detachment
 - (c) Isolation precautions
 - (d) Post operative hypertension
 - (e) Palliative care and end of life in critical care
 - (f) Triage
 - (g) Crisis intervention
 4. **Very Short Answers on the following :** [5x2=10]
 - (a) Define laryngeal edema
 - (b) Enlist any four symptoms of tumor lysis syndrome
 - (c) Define Envenomation
 - (d) Enumerate different types of seizures
 - (e) Define imperforate anus.
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