

**NURSE PRACTITIONER IN CRITICAL CARE POST GRADUATE RESIDENCY PROGRAM
FIRST YEAR EXAMINATION, FEBRUARY - 2026**

RESEARCH APPLICATION AND EVIDENCE BASED PRACTICE IN CRITICAL CARE

[Time Allotted: Three hours]**[Max. Marks: 70]****Note:** Attempt all question.

Draw suitable diagrams wherever necessary.

Write Long Essay of the following:**(2x15=30)**

- Q.1.** You are a principal investigator in research conducted by a team of nurses on occurrence of ventilator associated pneumonia among patients on mechanical ventilator. Answer the following
- a. Enlist the types of Non-Experimental Research Designs (3+5+7=15)
 - b. Explain descriptive research design
 - c. Explain how you will prepare research proposal for this study
- Q.2.** As nurse practitioner, you are working in medical ICU, You want to implement Evidence based practice on suctioning of endotracheal tube. Answer the following
- a. Define Evidence Based Practice. (2+7+6=15)
 - b. Explain the steps of Evidence Based Practice.
 - c. Explain the barriers you may face while implementing Evidence Based Practice and how you will overcome those barriers.
- Q.3.** Write short note on **ANY FOUR** of the following: **(4x10=40)**
- a. You are doing review of literature on Central line infection among patients in ICU. Explain sources of review of literature and how will you write the Review of Literature
 - b. Describe Phases and Steps of research process.
 - c. You are conducting research on experience of patients in ICU. Explain non probability sampling techniques that can be used.
 - d. You are conducting study in ICU on expectations of family members of patients admitted in ICU. Explain Interview a method of data collection.
 - e. You have to conduct a study in ICU. Explain Ethical Principles you will keep in mind while conducting study.
