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SYLLABUS – 2021
DEPARTMENTAL UPGRATION EXAMINATION
SUPERVISOR (ELECTROMEDICAL) (BPS 16-17)

PAPER-A: CURRENT AFFAIRS & RULES / REGULATIONS 100 Marks

PART-I- Current Affairs 33 Marks
(Pass Marks: 40%)

Current affairs paper will be set from leading issues published in the news paper for the last 03-months. The following books may be consulted.

- Monthly current affairs Digest by Tariq Mahmood dogar.
- Monthly current affairs Digest by Dr.Safdar Mahmood.

PART-II RULES AND REGULATIONS 67- Marks
(Pass Marks: 50%)

(Books allowed in descriptive part only)

- The Pakistan Wapda Leave Rules – 1982.
- The Pakistan Wapda Medical Attendance Rules – 1979.
- The Pakistan Wapda Employees (Treatment of chronically sick persons) Rules – 1967.
- Pakistan Public Procurement Regularity Authority (PPRA) Rules – 2004 (amended).

Reference Books.

- Wapda Manual of General Rules (including addendums).
- Wapda Medical attendance Rules.

NOTE:-

- The paper will be 50% objective and 50% subjective.
- Passing in Both Parts is mandatory.

Farasat
FARASAT QAMAR
Director (Pharmacy)
Wapda Medical Directorate
Lahore

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PAPER – B (TECHNICAL / PROFESSIONAL)

100 – Marks
(Pass Marks- 50%)

a) **BASICS OF BIOMEDICAL TECHNOLOGY.**

- Definition, importance and application.
- Duties and responsibilities of biomedical Technologist.
- Basic Principles of planning, handling and installation of Medical equipment.
- Principles of Design of central gases and pipelines.

b) **BIO MEDICAL EQUIPMENTS, RECORD KEEPING.**

- Maintenance and repair register.
- Demand register.
- Procurement register.
- Replaced parts register.
- Equipment log register.

c) **OPERATION & MAINTENANCE OF BIOMEDICAL EQUIPMENTS.**

Principle of working, operation, major components and importance of following equipments.

- i) X-Ray machine.
- ii) Dialysis machine.
- i) ECG machine.
- iv) Ventilators.
- ii) Infusion pumps.

d) **MAJOR HOSPITAL EQUIPMENTS.**

- Hospital furniture.
- CSSD.
- ICU Equipments.

e) **Commonly used abbreviations.**

GRN, MRS, SRS, MRN, HRCT, MRI, ECG, CTG, ABG, ETT, EMG, PFT,
BIPAP, USG, P.O, CR, DR, ICU, CCU

Note:-

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