

FEDERAL PUBLIC SERVICE COMMISSION
(Curriculum & Research Wing)

Schemes and Syllabi for Screening/Professional Tests as well as Descriptive Examination
Relating to Posts Advertised under Consolidated Advertisement No. 04/2023

S. No	Case No. F.4-	Particulars of Post(s)	Qualifications/Experience for the Posts	Test Specification	Topics of Syllabi
1.	79/2023	Junior Scientific Officer (Grade-IV) (BS-16), Corps of EME, Ministry of Defence.	Bachelor's degree from a University recognized by the PEC in any one of the following disciplines: (a) Metallurgical Engineering. (b) Drawing & Design Engineering. (c) Mechanical Engineering. (d) Automobile Engineering. (e) Electrical Engineering. (f) Electronics Engineering. (g) Communication Engineering. (h) Aeronautical Engineering. (i) Chemical Engineering.	Objective Type Test (MCQ) Part-I English = 20 marks Part-II Professional Test=80 marks	Part-I Grammar Usage, Sentence Structuring. Part-II <ul style="list-style-type: none"> ▪ Engineering Fundamentals ▪ Costing, Accounting and Budgeting ▪ <u>Project Management</u>: Time lines, milestones, resources allocation, dependency, Gant Charts, ▪ <u>Inventory Management</u>: FIFO models, LIFI models, Identification Schemes, Inventory management systems. ▪ <u>Quality Management Systems</u>: QA models. Deming, Juran Crosby, Quality circles, management responsibility, quality planning, purchasing, design process and design validation, quality audit, corrective and preventive measures.