

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. 10/2024

S. No	Case No. F.4-	Particulars of Post(s)	Qualifications/ Experience for the Posts	Test Specification	Topics of Syllabi
1.	170/2024	Assistant Director (BS-17) , Directorate General, Immigration & Passports, Ministry of Interior.	i. Second Class or Grade 'C' Master's degree. ii. Two (2) years post qualification administrative experience in a Government /Semi Government/ Autonomous Organization.	Objective Type Test (MCQ) Part-I English = 20 marks Part-II General Knowledge = 40 marks Part-III Job Oriented Test = 40 marks	Part-I Vocabulary, Grammar Usage, Sentence Structuring. Part-II <ul style="list-style-type: none"> ▪ General Knowledge, ▪ Current Affairs. <ul style="list-style-type: none"> – Developments at National and International Levels in the last 5 years ▪ Everyday Science, Part-III <ul style="list-style-type: none"> ▪ Immigration, Prevention & Control Human Trafficking Ordinance 2002, ▪ Passport Act, 1974, ▪ Passport Rules, 1974 ▪ Pakistan Citizenship Act 1951 ▪ Public Procurement Rules, 2004
2.	171/2024	Trained Graduate Teacher (Female) (BS-16) , Education Department, GB, Ministry of Kashmir Affairs & Gilgit Baltistan.	Second Class or Grade 'C' Bachelor's degree with B.Ed. or equivalent qualification from a University recognized by the HEC.	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"> ▪ Perspectives of Education in Pakistan ▪ School Administration & Supervision ▪ Planning & Management in Education ▪ Educational Psychology ▪ Curriculum Development & Assessment ▪ Teaching Methodology ▪ Classroom Management ▪ Educational Measurement & Evaluation ▪ Research Techniques in Education ▪ Educational System in Pakistan ▪ Educational Guidance & Counselling

S. No	Case No. F.4-	Particulars of Post(s)	Qualifications/ Experience for the Posts	Test Specification	Topics of Syllabi
3.	172/2024	Medical Officer (BS-17) , Airports Security Force, Ministry of Aviation.	MBBS.	Objective Type Test (MCQ) Part-I English =20 marks Part-II Professional Test=80 marks	Part-I Vocabulary, Grammar Usage, Sentence Structuring Part-II <ul style="list-style-type: none"> ▪ Core courses of MBBS Degree Program. ▪ Health Policies of the Government of Pakistan. ▪ Care vs Cure for Health Management. ▪ Major Challenges being faced by the Health Sector in Pakistan.
4.	173/2024	Computer Operator (BS-16) , National Highways & Motorway Police, Ministry of Communications.	Second Class or Grade 'C' Bachelor's Degree in Computer Science.	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"> ▪ Program logic, ▪ Visual Basic, C++, Java, Unix/Red Hat Linux Operating System, ▪ Computer Networks and Internet, ▪ Computer Graphics and Algorithms ▪ Development of Basic Algorithms,
5.	175/2024	Lecturer (Male) (BS-17) , A. Business Administration B. Islamic Studies Directorate of Federal Government Educational Institution (Cantts/ Garrisons), Ministry of Defence.	Second Class or Grade 'C' Master's degree or equivalent qualification in the relevant subject.	Objective Type Test (MCQ) Part-I English = 20 marks Part-II Subject Test = 50 marks Part-III Professional Test = 30 marks	A. For Business Administration Part-I Vocabulary, Grammar Usage, Sentence Structuring Part-II (Masters Level) <ul style="list-style-type: none"> ▪ Business Finance ▪ Principles of Management ▪ Business Law ▪ Business Research Methods ▪ Financial Management ▪ Marketing Management ▪ Production/Operation Management ▪ Management Information System Part-III <ul style="list-style-type: none"> ▪ Teaching Techniques and Methodology, ▪ Classroom Management and Discipline, ▪ Testing and Evaluation, ▪ Knowledge of Bloom's Taxonomy

S. No	Case No. F.4-	Particulars of Post(s)	Qualifications/ Experience for the Posts	Test Specification	Topics of Syllabi
					<p>B. For Islamic Studies</p> <p>Part-I Vocabulary, Grammar Usage, Sentence Structuring</p> <p>Part-II (Masters Level)</p> <p>☆ قرآن کا بنیادی موضوع / متن</p> <p>☆ سیرت النبی ﷺ</p> <p>☆ فقہ: جامعیت، اختلاف رائے اور عصر حاضر کے تناظر میں مذہب کی تشریح۔</p> <p>☆ تعارف اسلام</p> <p>☆ انسانی زندگی میں دین کی اہمیت</p> <p>☆ اسلام کے نمایاں پہلو</p> <p>☆ اسلامی عقائد کے انفرادی اور اجتماعی اثرات</p> <p>☆ انسانی حقوق۔ اسلام کی نظر میں</p> <p>☆ اسلام اور عصر حاضر کے چیلنجز</p> <p>☆ اسلامی نظام حکمرانی کا ڈھانچہ</p> <p>☆ سرکاری ملازمین کی ذمہ داریاں</p> <p>☆ اسلامی ضابطہ حیات</p> <p>Part-III</p> <ul style="list-style-type: none"> ▪ Teaching Techniques and Methodology ▪ Classroom Management and Discipline ▪ Testing and Evaluation ▪ Knowledge of Bloom's Taxonomy
6.	180/2024	Junior Ordnance Management Officer (JOMO), (BS-16), OS Directorate, Ministry of Defence.	<p>i. Second Class or Grade 'C' Bachelor's degree or equivalent from a University recognized by HEC.</p> <p>ii. Two (2) years post qualification experience in Store Management.</p>	<p>Objective Type Test (MCQ)</p> <p>Part-I English =20 marks</p> <p>Part-II Mathematics & Accounting=20 marks</p> <p>Part-III General Intelligence/ Professional Test=60 marks</p>	<p>Part-I Grammar Usage, Sentence Structuring</p> <p>Part-II</p> <ul style="list-style-type: none"> ▪ Basic Arithmetic <ul style="list-style-type: none"> – Ratios – Percentages – Arithmetic Means ▪ Basic Accounting <p>Part-III</p> <ul style="list-style-type: none"> ▪ Current Affairs. ▪ Basic Level knowledge of Pakistan Affairs & Islamic Studies ▪ Knowledge of I.T with reference to Microsoft Excel & preparation of spreadsheets ▪ Inventory Tracking & Auditing ▪ Controlling, verifying & Reporting Stock ▪ Inventory & Supply Chain in a Warehouse. ▪ Basic Fire Fighting methods ▪ Care and preservation of Arms, Ammunition etc.

S. No	Case No. F.4-	Particulars of Post(s)	Qualifications/ Experience for the Posts	Test Specification	Topics of Syllabi
7.	181/2024	Inspector Customs / Intelligence Officer (BS-16) , Revenue Division, Federal Board of Revenue. NOTE: At first stage MCQs Screening Test shall be held, then on the basis of its result top merit position holders @ ten candidates per vacancy from respective quotas would be called for Descriptive Test.	i. Second Class or Grade 'C' Bachelor's degree from a recognized University with Economics, Commerce, Statistics, Accounting, Computer Science, Law, Pharmacy, Chemistry or Physics as one of the subjects or B.Sc. Engineering in any specialty. ii. Computer literacy up to the level of MS Word, MS Power Point and MS Excel.	Objective Type Test (MCQ) Part-I English = 20 marks Part-II General Intelligence Test = 80 marks	Part-I Grammar Usage, Sentence Structuring Part-II ▪ Basic Arithmetic – Algebra – Ratios – Percentages – Arithmetic Means ▪ Current Affairs. – Issues/Challenges at National and International Level during the last 5 years – Basic Economic facts related to Pakistan. ▪ Pakistan Affairs & Islamic Studies – Basic Level knowledge ▪ Basic Computer Operation in MS Office Note: For Pre-selected candidate, syllabus for Descriptive Test is at Page-11 below
8.	183/2024	Khateeb (BS-16) , Prime Minister's Office (Internal).	i. Matric. ii. Dars-e-Nizami / Shahadat-ul-Aalmiya. iii. Hafiz-e-Quran.	Objective Type Test (MCQ) Part-I English = 20 marks Part-II Professional Test=80 marks	Part-I Grammar Usage, Sentence Structuring Part-II ▪ Holy Quran and its Commentary ▪ Hadees and its Usool ▪ Fiqh and its Usool ▪ Arabic Grammar ▪ Adab, Tasawwuf , Balaghat (Rhetoric) , Mantiq
9.	184/2024	Pharmacist (BS-17) , Federal Government Polyclinic, Islamabad, Ministry of National Health Services, Regulations & Coordination.	B. Pharmacy or equivalent qualification recognized by PMDC.	Objective Type Test (MCQ) Part-I English = 20 marks Part-II Professional Test=80 marks	Part-I Vocabulary, Grammar usage, Sentence Structuring. Part-II ▪ Physical Pharmacy, ▪ Clinical Pharmacy, ▪ Industrial Pharmacy, ▪ Hospital Pharmacy, ▪ Pharmaceutical Chemistry, ▪ Pharmaceutical Biochemistry, ▪ Pharmaceutical Microbiology, ▪ Pharmaceutical Quality Control & Management, ▪ Physiology & Histology, ▪ Application of Computer in Pharmacy.

S. No	Case No. F.4-	Particulars of Post(s)	Qualifications/ Experience for the Posts	Test Specification	Topics of Syllabi
10.	189/2024	Audiologist (BS-17) , National Institute of Rehabilitation Medicine, Islamabad, Ministry of National Health Services, Regulations & Coordination.	i. MBBS or equivalent qualification recognized by PM&DC. ii. Postgraduate diploma in Audiology.	Objective Type Test (MCQ) Part-I English = 20 marks Part-II Professional =80 marks	Part-I Vocabulary, Grammar Usage, Sentence Structuring Part-II <ul style="list-style-type: none"> ▪ Medicine ▪ Audiology ▪ Audiometry ▪ Anatomy ▪ Physiology ▪ Pharmacology
11.	190/2024	Female Nurse (BS-16) , Armed Forces Institute of Dentistry, Ministry of Defence.	i. Second Class or Grade 'C' Bachelor's degree in Nursing or equivalent qualification from a College / University / Institute recognized by Pakistan Nursing Council (PNC). OR Three (3) years diploma in General Nursing or equivalent qualification from a College / University / Institute recognized by Pakistan Nursing Council (PNC) with one year diploma in Midwifery. ii. Valid Registration with Pakistan Nursing Council (PNC).	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"> ▪ Basic Medical Sciences ▪ General Nursing ▪ Ward Administration ▪ Hospitality of the Patients ▪ Care vs. Cure for Health Management
12.	191/2024	Bio Statistician (BS-17) , Armed Forces Institute of Dentistry, Ministry of Defence.	i. Second Class or Grade 'C' Master's or Bachelor's (4 years education) degree in Biostatistics or equivalent qualification from a University recognized by the HEC. ii. One (1) year post qualification experience in Biostatistics	Objective Type Test (MCQ) Part-I English = 20 marks Part-II Professional =80 marks	Part-I Vocabulary, Grammar Usage, Sentence Structuring Part-II <ul style="list-style-type: none"> ▪ Basic concepts and terminology of Biostatistics, ▪ types of variables, populations, target populations and sampled population: ▪ Role of sampling in biostatistics, Sample size estimation. ▪ Design and Analysis of Experiments ▪ Distributional behavior of biological variables (Binomial, Poisson and Normal), ▪ Role of transformation for analysis of biological variables, ▪ Regression and Time-Series Models

S. No	Case No. F.4-	Particulars of Post(s)	Qualifications/ Experience for the Posts	Test Specification	Topics of Syllabi
13.	192/2024	Photographer (BS-16) , Armed Forces Institute of Dentistry, Ministry of Defence.	i. Second Class or Grade 'C' Bachelor's degree with Diploma/ Certificate in photography from a University recognized by the HEC. ii. One (1) year post qualification work experience in photography.	Objective Type Test (MCQ) <u>Part-I</u> English = 20 marks <u>Part-II</u> Professional Test = 80 marks	<u>Part-I</u> Grammar Usage, Sentence Structuring <u>Part-II</u> <ul style="list-style-type: none"> ▪ Various types of Cameras and their operation ▪ Dark-Room requirements and maintenance ▪ Outdoor Photography ▪ Indoor Photography ▪ Modeling ▪ Processing of Photographic Material ▪ Advanced techniques in Photography ▪ Maintaining & Handling Photographic Record.
14.	193/2024	Electro Medical Technician (BS-16) , Armed Forces Institute of Dentistry, Ministry of Defence.	i. F.A / F.Sc. with diploma of Associate Engineer (DAE) in Bio Medical Technology or higher from a recognized Institute. ii. Two (2) years' post qualification experience in medical equipment and maintenance services.	Objective Type Test (MCQ) <u>Part-I</u> English = 20 marks <u>Part-II</u> Professional Test = 80 marks	<u>Part-I</u> Grammar Usage, Sentence Structuring <u>Part-II</u> <ul style="list-style-type: none"> ▪ Biomechanics ▪ Bio-Instrumentation ▪ Rehabilitation Engineering: ▪ Electric Circuits ▪ Manufacturing Design Technology ▪ Electronic Devices and Circuits ▪ Manufacturing Processes
15.	194/2024	Foreman of Inspection (Ammunition) (BS-16) , Naval Headquarters, Ministry of Defence.	i. Second class or Grade 'C' Bachelor's degree in Science. ii. Three (3) years post qualification experience in Ammunition matters.	Objective Type Test (MCQ) <u>Part-I</u> English = 20 marks <u>Part-II</u> General Intelligence/ Professional Test =80 marks	<u>Part-I</u> Grammar Usage, Sentence Structuring <u>Part-II</u> <ul style="list-style-type: none"> ▪ Current Affairs. <ul style="list-style-type: none"> – Issues/Challenges at National and International Level during the last 5 years ▪ Basic Level knowledge of Pakistan Affairs & Islamic Studies ▪ Inventory Tracking & Auditing ▪ Controlling, verifying & Reporting Stock ▪ Inventory & Supply Chain in a Warehouse. ▪ Warehouse layout ▪ Fire Fighting Techniques ▪ Care and preservation of Arms, Ammunition etc.

S. No	Case No. F.4-	Particulars of Post(s)	Qualifications/ Experience for the Posts	Test Specification	Topics of Syllabi
16.	195/2024	Assistant Armament Supply Officer (BS-16) , Naval Headquarters, Ministry of Defence.	i. Second class or Grade 'C' Bachelor's degree in Science with Physics / Chemistry. ii. Three (3) years post qualification experience in Ammunition matters. OR Master's degree in Physics / Chemistry.	Objective Type Test (MCQ) Part-I English = 20 marks Part-II General Science Test = 80 marks	Part-I Grammar Usage, Sentence Structuring Part-II Physics: ▪ Heat & Thermodynamics, ▪ Electrostatics, ▪ Electromagnetism, ▪ Motion & Force, ▪ Work, Energy, ▪ Sound, ▪ Gravitational Force, Chemistry: ▪ Metallurgy, ▪ Thermodynamics, ▪ Nature, Properties and States of Matter, ▪ Gases, Liquids & Solids, ▪ Organic Chemistry
17.	196/2024	Assistant Naval Store Officer (BS-16) , Naval Headquarters, Ministry of Defence.	i. Second class or Grade 'C' Bachelor's degree. ii. Three (3) years post qualification experience in Store Management. OR i. Ex-Chief Petty Officers (CPOs) / Petty Officers (POs). ii. Matriculation or Higher Education Test (HET). iii. Five (5) years post qualification experience in Store Management.	Objective Type Test (MCQ) Part-I English = 20 marks Part-II General Intelligence/ Professional Test=80 marks	Part-I Grammar Usage, Sentence Structuring Part-II ▪ General Science ▪ Basic knowledge of I.T ▪ Procedures of Receipt and Issue of Stores ▪ Stores procedures with relation to following topics:- a. Stock Taking b. Care and preservation of Equipment and Stores c. Ware House Management • Public Procurement Rules, 2004

S. No	Case No. F.4-	Particulars of Post(s)	Qualifications/ Experience for the Posts	Test Specification	Topics of Syllabi
18.	197/2024	Assistant Engineer (B&R) (BS-16) , Military Engineering Services, Ministry of Defence.	Second Class or Grade 'C' Bachelor's (4 years duration) degree in Civil Engineering / B.Tech (Hons) (Civil) or equivalent qualification from a University recognized by the HEC / PEC.	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"> ▪ Contract Administration & Coordination ▪ Tender Documents, including Bills of Quantities, Specifications and Conditions ▪ Progress Monitoring and Control ▪ Works Supervision and Quality Control ▪ Payments to Contractors ▪ Equipment Inspection and Commissioning ▪ Post-Construction Services ▪ Operation & Maintenance ▪ Maintenance and Safety Inspections ▪ Public Procurement Rules, 2004
19.	198/2024	Junior Teacher (BS-17) , (A) Artificial Intelligence (B) Fine Arts Sir Syed School & College of Special Education, Rawalpindi, Federal Government Educational Institutions (Cantt / Garrison), Directorate, Ministry of Defence.	Second Class or Grade 'C' Master's or Bachelor's (4 years duration) degree in relevant subject from a University recognized by the HEC.	Objective Type Test (MCQ) Part-I English = 20 marks Part-II Subject Test = 50 marks Part-III Professional Test = 30 marks	A. For Artificial Intelligence Part-I Vocabulary, Grammar Usage, Sentence Structuring Part-II (Masters Level) <ul style="list-style-type: none"> ▪ Basics of Artificial Intelligence ▪ Programming for Artificial Intelligence ▪ Data Structures and Algorithms ▪ Database Systems ▪ Artificial Neural Networks ▪ Software Engineering ▪ Swarm Intelligence Part-III <ul style="list-style-type: none"> ▪ Teaching Techniques and Methodology, ▪ Classroom Management and Discipline, ▪ Testing and Evaluation, ▪ Knowledge of Bloom's Taxonomy B. For Fine Arts Part-I Vocabulary, Grammar Usage, Sentence Structuring Part-II (Masters Level) <ul style="list-style-type: none"> ▪ History of Art, Design & Architecture ▪ Elements of Art ▪ Drawing & Design Theory ▪ Linear Perspective ▪ Elements & Principles of Image Making ▪ Painting: Basic elements of Art, concepts, media and formats. ▪ Printmaking: Basic elements of art and design principles, concepts, media, and formats

S. No	Case No. F.4-	Particulars of Post(s)	Qualifications/ Experience for the Posts	Test Specification	Topics of Syllabi
					<p>Part-III</p> <ul style="list-style-type: none"> ▪ Teaching Techniques and Methodology, ▪ Classroom Management and Discipline, ▪ Testing and Evaluation, ▪ Knowledge of Bloom's Taxonomy
20.	199/2024	Motor Transport Officer (BS-16) , Prime Minister's Office (Internal).	<p>i. Three (3) years post-matric diploma in Automobile / Mechanical.</p> <p>ii. Five (5) years post qualification experience in the field of Mechanical / Automobile.</p>	<p>Objective Type Test (MCQ)</p> <p>Part-I</p> <p>English = 20 marks</p> <p>Part-II</p> <p>Professional =80 marks</p>	<p>Part-I</p> <p>Grammar Usage, Sentence Structuring</p> <p>Part-II</p> <ul style="list-style-type: none"> ▪ Applied Mechanics ▪ Automobile Engineering Drawing ▪ Thermal and Hydraulic Engineering ▪ Automotive Materials ▪ Auto Engine ▪ CAD in Automobile Engineering ▪ Auto Repair/Maintenance ▪ Vehicle and Transport Management
21.	200/2024	General Staff Officer-3 (Legal) (BS-17) , Military Engineering Services, Ministry of Defence.	Second Class or Grade 'C' Bachelor's degree in Law (LLB) or equivalent qualification from a University recognized by the HEC.	<p>Objective Type Test (MCQ)</p> <p>Part-I</p> <p>English = 20 marks</p> <p>Part-II</p> <p>Professional =80 marks</p>	<p>Part-I</p> <p>Vocabulary, Grammar Usage, Sentence Structuring</p> <p>Part-II</p> <ul style="list-style-type: none"> ▪ Civil Servant Act, 1973 ▪ Government Servants (Conduct) Rules, 1964 ▪ Civil Servants (E&D) Rules, 2020 ▪ Civil Servants (Appeal) Rules, 1977 ▪ Civil Servants (Appointment, Promotion & Transfer) Rules, 1973 ▪ Service Tribunal Code ▪ Pakistan Penal Code ▪ Code of Criminal Procedure ▪ Limitation Act, 1908 ▪ Steps involved in Processing of Legal Cases

S. No	Case No. F.4-	Particulars of Post(s)	Qualifications/ Experience for the Posts	Test Specification	Topics of Syllabi
22.	201/2024	Assistant Engineer (E&M) (BS-16) , Military Engineering Services, Ministry of Defence.	Second Class or Grade 'C' Bachelor's (4 years duration) degree in Engineering (Electrical / Mechanical) / B.Tech. (Hons) (Electrical / Mechanical) or equivalent qualification from a University recognized by the HEC / PEC.	Objective Type Test (MCQ) Part-I English = 20 marks Part-II Professional =80 marks	Part-I Grammar Usage, Sentence Structuring Part-II <ul style="list-style-type: none"> ▪ Electrical Machines (Transformers, Generators, Motors) ▪ Transmission and Distribution System (Single and Three Phase) ▪ Power Factors and Voltage Regulation ▪ Basic Electronics ▪ Basic Communication System ▪ Switch Gear and Production System ▪ Heating Ventilation Air Conditioning ▪ Basic Electrical Calculation ▪ Measuring Instruments
23.	202/2024	Assistant Secretary (Wildlife) (BS-17) , Ministry of Climate Change & Environmental Coordination.	Second Class or Grade 'C' M.Sc. in Zoology. OR Honours degree or equivalent diploma in Forestry / Wildlife Management.	Objective Type Test (MCQ) Part-I English = 20 marks Part-II Professional Test= 80 marks	Part-I Vocabulary, Grammar usage, Sentence Structuring. Part-II <ul style="list-style-type: none"> ▪ Major subdivisions of Animal Kingdom ▪ Mendel's Law of Inheritance ▪ Endangered species of Pakistan as per IUCN Red List ▪ Role of Wildlife as value addition to forestry ▪ Biodiversity and Wildlife ▪ Ecological Concepts: Components of Ecosystem, Food Chain, Biogeo Chemical Cycles, Wildlife Conservation and Management
24.	203/2024	Programme Producer (BS-17) , Naval Headquarters, Ministry of Defence.	i. Second Class or Grade 'C' Master's degree. ii. Two (2) years post qualification experience of Programme producing at Television or similar Organization. OR i. Second Class or Grade 'C' Bachelor's degree. ii. Five (5) years post qualification experience of Programme producing at Television or similar Organization.	Objective Type Test (MCQ) Part-I English = 20 marks Part-II Professional =80 marks	Part-I Vocabulary, Grammar Usage, Sentence Structuring Part-II <ul style="list-style-type: none"> ▪ Knowledge of Equipments in Television Centre ▪ Emerging Technologies in Production Industry ▪ Knowledge of Official Secret Act 1923 ▪ Knowledge of Producing Training Films ▪ Fundamental skills to complete pre-production, ▪ Principal of photography and postproduction ▪ Dynamics of visual storytelling ▪ Knowledge of essential vocabulary of filmmaking ▪ Steps in shooting of digital video ▪ Basic Computer Knowledge

Syllabus for Descriptive Test of
F.4-181/2024 (Inspector Customs/ Intelligence Officer)

Max Marks: 100

Qualifying Standard 50%

Time Allowed: 3 Hours

Part-I (English Essay): 40 Marks

Candidates will be required to write an Essay in English comprising **1000 words** from a set of **four given topics**. Candidates are expected to reflect comprehensive knowledge on a selected topic. Candidate's articulation, expression and technical approach to the style of English Essay writing will be examined.

Part-II (Current Affairs): 30 Marks

Candidates will be expected to demonstrate knowledge on current affairs related to the following:

- CPEC and Pakistan,
- Kashmir Issue,
- Pak US relations
- Afghanistan Crisis
- Basic Economic facts related to Pakistan

Part-III (Islamic Studies/Pakistan Studies): 30 Marks

I. Islamic Studies

Introduction to Islam, Seerah of the Prophet Muhammad (PBUH) as Role Model, Status of Woman in Islam, Articles of Faith, Islamic Code of Life, Islamic Concept of Human Rights

II. Pakistan Studies

Parliamentary democracy in Pakistan under 1973 Constitution, Salient features of the Constitution of Pakistan 1973, Economic Challenges for Pakistan, Major social problems of Pakistan.

SUGGESTED READINGS

S. No.	Title	Author
1.	Pakistan and World Affairs	Shamshad Ahmad (Edition-2015)
2.	Constitution of Pakistan 1973	
3.	Kashmir in Conflict: India, Pakistan and the Unending War.	Schofield, Victoria. New York: I.B.Tauria, 2003.
4.	Modern South Asia: History, Culture, Political Economy.	Jalal, Aisha and Bose, Sugata. New York: Routledge, 1998.
5.	Federalism and Ethnic Conflict Regulation in India and Pakistan.	Adeney, Katharine. , New York: Palgrave Macmillan, 2007.
6.	Issues in Pakistan's Economy	S. Akbar Zaidi
7.	Economic Survey of Pakistan	Government Publication
For Islamic Studies		
8.	Introduction to Islam	Dr. Hamidullah
9.	Islam: its meaning and Message	Khurshid Ahmad
10.	Insan e Kamil	Dr Khalid Alvi
11.	Islami Tehzeeb Kay Chund Darakhshan Pehloo	Mustafa Sabali

**Schemes and Syllabi for Written Examination (Descriptive) for Posts in
BS-20 advertised under Consolidated Advertisement No. 10/2024**

Case No.	F.4-185/2024-R
Particulars of post	Physiotherapist (BS-20) , Federal Government Polyclinic, Islamabad, Ministry of National Health Services, Regulations & Coordination.
Minimum Qualification & Experience:	i. M.Sc. Physiotherapy from a recognized University/Institute or equivalent. ii. Seventeen (17) years post qualification experience in the relevant faculty.

PAPER: PROFESSIONAL (100 MARKS)

Analysis Paper: Candidates will be required to analyse a situation related to advertised post and suggest/draw suitable solution comprising approximately **1000 words**. Candidate's research based knowledge as well as articulation, expression and technical treatment of the situation will be examined.

OR

Case Study: Candidates will be given real situation case studies related to advertised posts/ organization concerned and will be expected from the candidates to present (i) identification of issues (ii) evaluation of issues (iii) case related theories (iv) evaluation of case facts if required and (v) possible solution of the case, if the case so requires.

Schemes and Syllabi for Written Examination (Descriptive) for All Posts in BS-18 & BS-19 (other than Doctors) included in Consolidated Advertisement No. 10/2024

PAPER-I: ENGLISH

Max Marks: 100

Time Allowed: 3 Hours

- (i) **English Essay-50 Marks:** Candidates will be required to write an Essay in English comprising **1500 words** from a set of **six given topics**. Candidates are expected to reflect comprehensive and research based knowledge on a selected topic. Candidate's articulation, expression and technical approach to the style of English Essay writing will be examined.
- (ii) **English (Composition and Précis)-50 Marks:**
The examination will test the candidate's abilities to handle Précis Writing, Reading Comprehension, Sentence Structuring, Translation, Grammar and Vocabulary, etc.
- Précis Writing (10 marks):** A selected passage with an orientation of generic understanding and enough flexibility for compression shall be given for précising and suggesting an appropriate title.
- Reading Comprehension (10 marks):** A selected passage that is rich in substance but not very technical or discipline-specific shall be given, followed by five questions, each carrying 2 marks.
- Grammar and Vocabulary (10 marks):** Correct usage of Tense, Articles, Prepositions, Conjunctions, Punctuation, Phrasal Verbs, Synonyms and Antonyms etc.
- Sentence Correction (5 marks):** Ten sentences shall be given each having a clear structural flaw in terms of grammar or punctuation. The candidates shall be asked to rewrite them with really needed correction only, without marking unnecessary alterations. No two or more sentences should have exactly the same problem, and 2-3 sentences shall be based on correction of punctuation marks.
- Grouping of Words (5 marks):** A random list of ten words of moderate standard (neither very easy nor utterly unfamiliar) shall be given, to be grouped by the candidates in pairs of those having similar or opposite meaning, as may be clearly directed in the question.
- Pairs of Words (5 marks):** Five pairs shall be given of seemingly similar words with different meanings, generally confused in communication, for bringing out the difference in meaning of any five of them by first explaining them in parenthesis and then using them in sentences.
- Translation (5 marks):** Ten short Urdu sentences involving structural composition, significant terms and figurative/idiomatic expressions shall be given, to be accurately translated in English.

SUGGESTED READINGS

Sr. No.	Title	Author
1.	English Grammar in Use	Raymond Murphy
2.	Practical English Usage	M. Swan
3.	Practical English Grammar and Composition	S.C. Gupta
4.	Improve your Punctuation & Grammar	Marion Field
5.	The Little, Brown Handbook	H. Ramsey Flower & Jane Aaron
6.	A University English Grammar	R. Quirk & S. Greenbaum
7.	Write Better, Speak Better	Readers Digest Association
8.	Modern English in Action	Henry Christ
9.	Exploring the World of English	Syed Saadat Ali Shah

PAPER-II: PROFESSIONAL

Max Marks: 100

Time Allowed: 3 Hours

Case No.	F.4-176/2024-R
Particulars of post	Deputy Armament Supply Officer (BS-18) , Pakistan Navy, Ministry of Defence.
Minimum Qualification & Experience:	i. Second Class or Grade 'C' Master's Degree in Chemistry / Physics. ii. Five (5) years post qualification experience in Explosives / Dangerous Cargoes / Petroleum / Oils / Lubricants.

Part-I: 25 Marks (MCQ)

- 25 MCQ Questions on Part-II & Part-III.

Part-II: (Chemistry) 40 Marks (Descriptive)

- I. Atomic structure.—Quantum theory, Schrodinger equation, Particle in box, hydrogen atom. Hydrogen moleculeion, hydrogen molecule. Theories of hydrogen and metallic bonding.
- II. Electrochemistry.—Ionic equilibria, theory of strong electrolytes; ebye-Huckel theory of activity coefficients, galvanic cells, membrane equilibria and fuel cells. Theories of Acids and Bases, glass electrode, measurement of pH. Electrolysis, overvoltage and corrosion.
- III. Thermodynamics.—First law of thermodynamics, internal energy, enthalpy functions. Thermochemistry, Entropy and second law of Thermodynamics, Free energy and chemical equilibrium.
- IV. Chemistry of Following Elements.—Oxygen, Carbon, Chlorine, Silicon, Nitrogen, Phosphorus.
- V. Inorganic Chemical Industries.—Sulphuric Acid, Fixation of Nitrogen, Chemical Fertilizers, Semi-conductivity devices. Cement, Glass and Ceramics.
- VI. Industrial Organic Chemistry.—Organic Polymers. Fermentation processes including preparation of Anti-Biotics. Petro-Chemical Industry.

Part-III: (Physics) 35 Marks (Descriptive)**I. Mechanics**

- Vectors—Dots, Cross and triple products, Gradient, divergence and applications.
- Newtonian laws of motion; calculus based approach to kinematics, forces and dynamics, conservation law of energy; conservation of linear and angular momentum; Dynamics of rigid body; spin and precession; gyroscope; Gravitation; planetary motion and satellites; Kepler's laws; centripetal forces
- Special theory of relativity. Michelson—Morley experiment and Einstein's postulates; Lorentz transformation; time dilation and length contraction; equivalence of mass and energy.

II. Fluid Mechanics

- Surface tension; Viscosity; Elasticity; fluid motion and Bernoulli's theorem.

III. Heat and Thermodynamics

- Perfect gas and Vander Waals equation; Three Laws of Thermodynamics, internal energy, temperature, entropy. Thermal properties of Simple system production and measurement of low temperatures; kinetic theory of gases; Maxwellian distribution of molecular velocities; Brownian motion;

Transport phenomena. Classical Maxwell-Boltzmann Statistics and its application; Quantum Bose—Einstein and Fermi—Dirac Statistics.

IV. Electricity and Magnetism

- Electric field due to point charges, Gauss' law Electric potential and Poisson and Laplace's equation Dielectric medium and Polarization; Capacitance; Moving charges and resulting magnetic field; Ampere's law; Vector potential; Magnetic properties of matter; Transient current; Faraday's law of electromagnetic induction; Alternating current and LRO circuit. Maxwell's equations; Poynting theorem and Poynting Vector. Maxwell's equations in integral and differential form.

V. Solid State Physics

- Crystal lattice and structure, Bravais lattice, free electron model, Band theory and electron in a periodic potential, Fermi energy and density of states, n and p type semiconductors, physics of the transistor and MOSFET, dielectric properties, magnetic properties and origin of magnetism.

VI. Nuclear Physics

- Structure of Nuclei; Radioactivity, α , β and γ decay. Methods of detection, Mass Spectrometer. Accelerators. Phenomenon of fission; reactor and nuclear power, nuclear fusion and its application, Elementary particles and their properties.

SUGGESTED READINGS

S. No.	Title	Author
1.	Advanced Inorganic Chemistry 3 rd Ed.	Cotton. F.A. and Wilkinson Groffrey
2.	Inorganic Chemistry, 3 rd Ed. 1983	Hukeavy, James E.
3.	Physical Chemistry 5 th Ed.	Moore, Walter J.
4.	Mechanism & Structure in Organic Chemistry	Gould, Edwards
5.	Organic Chemistry 2 nd Ed.	Morrison, Robert Thornton & Boyd R.N.
6.	Perspectives of Modern Physics.	A. Beiser.
7.	Fundamentals of Physics.	Halliday & Resnick
8.	Introduction to Electromagnetic Fields and Waves.	D. Corson & P. Lorrain.
9.	Heat and Thermodynamics.	D. Zemansky
10.	Introduction to Quantum Mechanics	D. Griffiths
11.	Modern Physics	Serway, Moses, Moyer.
12.	Solid State Physics	C. Kittel

PAPER-II: PROFESSIONAL

Max Marks: 100

Time Allowed: 3 Hours

Case No.	F.4-182/2024-R
Particulars of post	Director (BS-19) , Federal Public Service Commission.
Minimum Qualification & Experience:	i. Second Class or Grade 'C' Master's Degree or equivalent qualification from a University recognized by HEC. ii. Twelve (12) years post qualification experience in BS-17 and above or equivalent in Govt. / Semi-Govt. / Autonomous bodies or an Organization of repute in the field of Public Administration / Establishment / Human Resource Management / Financial Management / Selection of Personnel.

Part-I: 25 Marks (MCQ)

- 25 MCQ Questions on Part-II & III.

Part-II: 50 Marks (Descriptive)

(Public Administration, Office Management & Professional)

- I. **Public Administration:** Nature and scope, Role of Public Administration in a modern Welfare State; Issues & Challenges of Public Administration in Pakistan;
- II. **Bureaucracy:** Concept of Bureaucracy, Bureaucracy of Pakistan as a Change Agent;
- III. **Administrative Accountability:** Internal and External Controls; Executive Control, Legislative Control, Judicial Control, Ombudsman, Public Opinion and Pressure Groups; Problems of Administrative Accountability in Pakistan;
- IV. **Planning:** Types of Plans, Planning Process; Principles of Planning, Planning Machinery in Pakistan;
- V. FPSC Ordinance 1977;
- VI. The Civil Service of Pakistan: Structure, Role of Civil Service in Good Governance;
- VII. PPRA Ordinance 2002 and Rules 2004.
- VIII. HR Recruitment Procedure & Evaluation/Assessment Mechanism.

Part-III: 25 Marks (Descriptive)

(Human Resource, Financial Management and Quality Management)

I. Human Resource and Financial Management

Definition, Significance and Scope of Human Resource Management; Organization—Types of Organization, Theory of Organization, Principles of Organization, Organization of the Federal and Provincial Governments, Public Sector Enterprises; Approaches to Human Resource Management. Personnel Administration—Tools of Personnel Management: Selection, Training, Promotion, Compensation, Discipline; Communication, Communication Channels and Principles of Public Relations; Human Behaviour and Organizations Administration.—Elements of Financial Administration, Performance Programmed Budgeting, Capital Budget, Principles of Budgeting, Auditing and Accounting.

II. Basic Concept of Quality Management

ISO-9000, ISO-13000, other certifications regarding quality measurement; management, management for Results, Setting Performance Goals and Targets; Job Analysis: Job Description, Job Specification, Performance Evaluation;

SUGGESTED READINGS

S. No.	Title	Author
1.	An Introduction to the Public Administration	E.N. Cladden
2.	Bureaucracy: Modern Society	Pebr, M. Blau.
3.	Public Administration for a Welfare State	Paul Ableby
4.	The Bureaucracy of Pakistan	Charles F. Kennedy
5.	Human Resource Management	H.T.Graham & Roger Bennett
6.	Management	James A.F.Stoner, R.Eward Freeman, Daniel R.Gilbert Jr.

FEDERAL PUBLIC SERVICE COMMISSION
(Curriculum & Research Wing)

**Schemes and Syllabi for Written Examination (Descriptive) for
All Posts of Doctors in BS-18 & BS-19 included in Consolidated
Advertisement No. 10/2024**

PAPER-I: MBBS (Common for all posts of Doctor in BS-18 & 19)

Max Marks: 100

Time Allowed: 3 Hours

Part-I: (MCQ)

25 Marks

25 MCQ Questions on Part-II

Part-II: (Qualification Based) (Descriptive)

75 Marks

Core courses of **MBBS Degree**

PAPER-II: PROFESSIONAL

Max Marks: 100

Time Allowed: 3 Hours

Case No.	F.4-174/2024-R
Particulars of post	Paediatric Surgeon (BS-18) , National Institute of Rehabilitation Medicine, Ministry of National Health Services, Regulations & Coordination.
Minimum Qualification & Experience:	i. MBBS or equivalent qualification recognized by PM&DC. ii. PM&DC Level-III qualification in the related speciality with two (2) years post qualification experience in the relevant field. OR PM&DC Level II (a) or Level II (b) in the related speciality with four (4) years post qualification experience in the relevant field.

Part-I: (MCQ)

25 Marks

25 MCQ Questions on Part-II.

Part-II: (Professional) (Descriptive)

75 Marks

Core courses of Specialization in **Paediatric Surgery**

PAPER-II: PROFESSIONAL**Max Marks: 100****Time Allowed: 3 Hours**

Case No.	F.4-177/2024-R
Particulars of post	General Staff Officer, Grade-I (Classified Radiologist) (BS-19) , PET CT Scan Department, Armed Forces Institute of Radiology And Imaging, Ministry of Defence.
Minimum Qualification & Experience:	<ul style="list-style-type: none"> i. MBBS or equivalent qualification from a University recognized by PM&DC. ii. FCPS (Radiology) or equivalent qualification recognized/ registered by the PM&DC. iii. One (1) year Fellowship degree/ OJT in PET CT. iv. Seven (7) years post qualification working experience at any renowned medical imaging setup.

Part-I: (MCQ)**25 Marks**

25 MCQ Questions on Part-II.

Part-II: (Professional) (Descriptive)**75 Marks**Core courses of Specialization in **Radiology & PET CT**.**PAPER-II: PROFESSIONAL****Max Marks: 100****Time Allowed: 3 Hours**

Case No.	F.4-178/2024-R
Particulars of post	General Staff Officer, Grade-I (Classified Radiologist) (BS-19) , Interventional Radiology Department, Armed Forces Institute of Radiology And Imaging, Ministry of Defence.
Minimum Qualification & Experience:	<ul style="list-style-type: none"> i. MBBS or equivalent qualification from a University recognized by PM&DC. ii. FCPS (Radiology) or equivalent qualification recognized / registered by the PM&DC. iii. One (1) year Fellowship degree / OJT in Interventional Radiology. iv. Seven (7) years post qualification working experience at any renowned medical imaging setup.

Part-I: (MCQ)**25 Marks**

25 MCQ Questions on Part-II.

Part-II: (Professional) (Descriptive)**75 Marks**Core courses of Specialization in **Radiology & Interventional Radiology**

PAPER-II: PROFESSIONAL**Max Marks: 100****Time Allowed: 3 Hours**

Case No.	F.4-179/2024-R
Particulars of post	General Staff Officer, Grade-I (Classified Radiologist) (BS-19) , Neuro Radiology Department, Armed Forces Institute of Radiology and Imaging, Ministry of Defence.
Minimum Qualification & Experience:	<ul style="list-style-type: none"> i. MBBS or equivalent qualification from a University recognized by PM&DC. ii. FCPS (Radiology) or equivalent qualification recognized/ registered by the PM&DC. iii. One (1) year Fellowship degree/ OJT in Neuro Radiology. iv. Seven years post qualification working experience at any renowned medical imaging setup.

Part-I: (MCQ)**25 Marks**

25 MCQ Questions on Part-II.

Part-II: (Professional) (Descriptive)**75 Marks**Core courses of Specialization in **Radiology & Neuro Radiology****PAPER-II: PROFESSIONAL****Max Marks: 100****Time Allowed: 3 Hours**

Case No.	F.4-186/2024-R
Particulars of post	Director (BS-19) , National Institute of Rehabilitation Medicine, Islamabad, Ministry of National Health Services, Regulations & Coordination.
Minimum Qualification & Experience:	<ul style="list-style-type: none"> i. MBBS or equivalent qualification recognized by PM&DC. ii. PM&DC Level-III qualification in Public Health / Health Services Administration / Primary Health Care Management and nine (9) years post qualification experience in Health Services Management. OR PM&DC Level II (a) or Level II (b) in Public Health / Health Services Administration / Primary Health Care Management and eleven (11) years post qualification experience in Health Services Management.

Part-I: (MCQ)**25 Marks**

25 MCQ Questions on Part-II.

Part-II: (Professional) (Descriptive)**75 Marks**Core courses of Specialization in **Public Health / Health Services Administration / Primary Health Care Management**

PAPER-II: PROFESSIONALMax Marks: 100Time Allowed: 3 Hours

Case No.	F.4-187/2024-R
Particulars of post	Deputy Director (BS-18) , National Institute of Rehabilitation Medicine, Islamabad, Ministry of National Health Services, Regulations & Coordination.
Minimum Qualification & Experience:	i. MBBS or equivalent qualification recognized by PM&DC. ii. PM&DC Level-III qualification in Public Health / Health Services Administration / Primary Health Care Management and two (2) years post qualification experience in Health Services Management. OR PM&DC Level II (a) or Level II (b) in Public Health / Health Services Administration / Primary Health Care Management and four (4) years post qualification experience in Health Services Management.

Part-I: (MCQ)**25 Marks**

25 MCQ Questions on Part-II.

Part-II: (Professional) (Descriptive)**75 Marks**

Core courses of Specialization in **Public Health / Health Services Administration / Primary Health Care Management**

PAPER-II: PROFESSIONALMax Marks: 100Time Allowed: 3 Hours

Case No.	F.4-188/2024-R
Particulars of post	Eye Specialist (BS-18) , National Institute of Rehabilitation Medicine, Islamabad, Ministry of National Health Services, Regulations & Coordination.
Minimum Qualification & Experience:	i. MBBS or equivalent qualification recognized by PM&DC. ii. PM&DC Level-III qualification in the related speciality with two (2) years post qualification experience in relevant field. OR PM&DC Level II (a) or Level II (b) in the related speciality with four (4) years post qualification experience in the relevant field.

Part-I: (MCQ)**25 Marks**

25 MCQ Questions on Part-II.

Part-II: (Professional) (Descriptive)**75 Marks**

Core courses of Specialization in **Eye Ophthalmology**