

**FEDERAL PUBLIC SERVICE COMMISSION
(Curriculum & Research Wing)**

**Scheme and Syllabi for Screening/ Professional Tests Relating to
Posts Advertised Vide Consolidated Advertisement No. 03/2013**

<p>For Each Case No. of Paper : 1 Marks : 100 Time Allowed: 100 Minutes</p>
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S. No	Case No. F.4-	Particulars of Post(s)	Test Specification	Topics of Syllabi
1.	18/2013	Assistant Executive Engineer (BS-17), (Civil), PAK, PWD, Ministry of Housing & Works.	Objective Type Test (MCQ) Part-I English = 20 marks Part-II Professional Test=80 marks	Part-I Vocabulary, Grammar Usage, Sentence Structure. Part-II <ul style="list-style-type: none"> • Building material & Building construction, • Surveying & Levelling, • Hydraulic & Hydrology, • Soil Mechanics & foundation, • Concrete Technology & R.C.C Structure design, • Construction Management, • Structural Design Applications, • Engineering Materials, • Reinforced Concrete, • Ground improvement, • Earth and Rock structure.
2.	27/2013	Librarian (BS-17), Directorate General of Special Education, Ministry of Capital Administration and Development	Objective Type Test (MCQ) Part-I English =20 marks Part-II Professional Test=80 marks	Part-I Vocabulary, Grammar usage, Sentence Structure. Part-II <ul style="list-style-type: none"> • Introduction to Library & Information Science • Information Sources and Services • Classification: Theory and Practice • Cataloguing: Theory and Practice • Procurement, maintenance and issuance of library books • Management of libraries & Information Centres • Library Automation/Information Storage & Retrieval • Research Methods & Techniques for Librarians • Public Records, Rare Material & their Conservation • Management of Serials Publications • Rules & Procedure of Write off the Library Losses

Note: - In cases of BS-16 to 19 where number of applicants is less than ten (10) per case, the Commission reserves the right to dispense with the written test and call the candidates for interview directly, after determination of their eligibility in terms of advertised conditions.

S. No	Case No. F.4-	Particulars of Post(s)	Test Specification	Topics of Syllabi
3.	39/2013	Assistant Network Administrator (BS-16), Federal Public Service Commission	Objective Type Test (MCQ) Part-I English =20 marks Part-II Professional Test =80 marks	Part-I Vocabulary, Grammar usage. Part-II <ul style="list-style-type: none"> • Types of networks (LAN, WAN, Internet, Intranet etc.) • Network Topologies, • Network Management • Communication Protocols • OSI model • Operating Systems (Windows, Linux) • Transmission Mediums, Direction and Modes • Network Devices (Switch, Routers, and Modem), • Network security issues (Viruses, Firewall and unauthorized access),
4.	40/2013	Photogrammetrist (BS-17), Geological Survey of Pakistan, Ministry of Petroleum and Natural Resources	Objective Type Test (MCQ) Part-I English =20 marks Part-II Professional Test =80 marks	Part-I Vocabulary, Grammar usage, Sentence Structure. Part-II <ul style="list-style-type: none"> • Geographic Data: Types and Representation • Data Capturing and Automation • Photogrammetry • Remote Sensing • Global Positioning System (GPS) • Database for GIS • Geographical Analysis • Elementary Mathematics: Geometry, Trigonometric Functions • Surveying Techniques • Principles of Cartography
5.	41/2013	Senior Drilling Engineer (BS-18), Geological Survey of Pakistan, Ministry of Petroleum and Natural Resources.	Objective Type Test (MCQ) Professional Test=100 marks	<ul style="list-style-type: none"> • Drilling and its scope • Purpose and uses of drilling • Classification of drilling • Type of drilling • Methods used for purification of drilling fluid • Causes of circulation fluid losses and its prevention • Function of equipments and accessories used for drilling • Types of mud used for drilling • Types of drilling Bits and their functions • Drilling circulation fluid: Type, Purpose and Properties. • Techniques and procedure for diamond core drilling.

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S. No	Case No. F.4-	Particulars of Post(s)	Test Specification	Topics of Syllabi
6.	42/2013 45/2013 46/2013	i. Headmistress (BS-18), F.G Urdu Medium Female Schools ii. Headmaster (BS-18), F.G Urdu Medium Male Schools iii. Principal (BS-18), F.G. English Medium (Public Schools), Directorate of Federal Government Educational Institutions (Cantt/ Garrison), Ministry of Defence	Objective Type Test (MCQ) Professional Test=100 marks	<ul style="list-style-type: none"> Perspectives of Education in Pakistan Planning & Management in Education Educational Administration and Supervision, Educational Psychology Educational Guidance & Counselling Classroom/Institutional Management Curriculum Development Teaching Techniques & Methodology Testing & Evaluation Educational Reforms in Pakistan
7.	43/2013 44/2013 49/2013	i. Assistant Headmaster (BS-17), F.G Urdu Medium Male Schools, ii. Assistant Headmistress (BS-17), F.G Urdu Medium Female Schools iii. Vice Principal (BS-17), F.G. English Medium (Public Schools), Directorate of Federal Government Educational Institutions (Cantt/ Garrison), Ministry of Defence	Objective Type Test (MCQ) Part-I English = 20 marks Part-II Professional Test=80 marks	Part-I Vocabulary, Grammar usage, Sentence Structure. Part-II <ul style="list-style-type: none"> Educational Administration and Supervision, Educational Psychology Educational Guidance & Counselling Classroom/Institutional Management Curriculum Development Teaching Techniques & Methodology Testing & Evaluation Educational Reforms in Pakistan Co-curricular Activities in Educational Institutions
8.	47/2013	Charge/Staff Nurse (Female) (Civilian) (BS-16), Military Hospitals, Ministry of Defence	Objective Type Test (MCQ) Part-I English = 20 marks Part-II Professional Test=80 marks	Part-I Vocabulary, Grammar usage 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 Developing Training & Instructional Materials for Nursing Courses.

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S. No	Case No. F.4-	Particulars of Post(s)	Test Specification	Topics of Syllabi
9.	48/2013	<p>Trained Graduate Teacher (Male) (BS-16),</p> <p>A) B.Sc. with Mathematics B) B.Sc. with Botany/ Zoology C) B.Sc. with Chemistry D) B.Sc. with Physics E) B.A with English Literature F) B.A with Urdu Literature G) B.A. with Arts Subjects</p> <p>F.G. English Medium (Public) Schools, Directorate of Federal Government Educational Institutions, (Cantt./ Garrisons), Ministry of Defence.</p>	<p>Objective Type Test (MCQ)</p> <p>Part-I English = 20 marks</p> <p>Part-II Subject Biased = 40 marks</p> <p>Part-III Job Oriented = 40 marks</p>	<p>A) Mathematics</p> <p>Part-I Vocabulary, Grammar usage.</p> <p>Part-II (Bachelor's Level)</p> <ul style="list-style-type: none"> • Algebra • Mechanics • Ordinary Differential Equations • Matrices, Determinants and Linear Equations <p>Part-III</p> <ul style="list-style-type: none"> • Education System in Pakistan, • Educational Psychology, • Class Room Management and Discipline, • Instructional Planning and Teaching Strategies, • Students Evaluation and Examination System, • Educational Guidance and Counselling. <p>B) Botany/ Zoology</p> <p>Part-I Vocabulary, Grammar usage.</p> <p>Part-II (Bachelor's Level)</p> <ul style="list-style-type: none"> • Viruses & Algae • Bryophyte • Plant anatomy • Protozoa • Arthropoda • Mollusca • Porifera <p>Part-III</p> <ul style="list-style-type: none"> • Education System in Pakistan, • Educational Psychology, • Class Room Management and Discipline, • Instructional Planning and Teaching Strategies, • Students Evaluation and Examination System, • Educational Guidance and Counselling.

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				<p>C) Chemistry</p> <p>Part-I Vocabulary, Grammar usage.</p> <p>Part-II (Bachelor's Level)</p> <ul style="list-style-type: none"> • Gases, Liquids and Solids • Thermodynamics • Chemical Equilibrium • Atomic Structure and Periodic Table • Chemical Bonding • Carbohydrates <p>Part-III</p> <ul style="list-style-type: none"> • Education System in Pakistan, • Educational Psychology, • Class Room Management and Discipline, • Instructional Planning and Teaching Strategies, • Students Evaluation and Examination System, • Educational Guidance and Counselling. <hr/> <p>D) Physics</p> <p>Part-I Vocabulary, Grammar usage.</p> <p>Part-II (Bachelor's Level)</p> <ul style="list-style-type: none"> • Work and Energy • Angular Momentum • Gravitation • Waves, Sound and Light • Thermodynamics • Faraday's Law of Electromagnetic Induction <p>Part-III</p> <ul style="list-style-type: none"> • Education System in Pakistan, • Educational Psychology, • Class Room Management and Discipline, • Instructional Planning and Teaching Strategies, • Students Evaluation and Examination System, • Educational Guidance and Counselling.

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S. No	Case No. F.4-	Particulars of Post(s)	Test Specification	Topics of Syllabi
				<p>E) English Literature</p> <p>Part-I Vocabulary, Grammar usage.</p> <p>Part-II (Bachelor's Level)</p> <ul style="list-style-type: none"> • English Literature 17th to 20th Century. • English Language Teaching. • Syntax. • Diction. <p>Part-III</p> <ul style="list-style-type: none"> • Education System in Pakistan, • Educational Psychology, • Class Room Management and Discipline, • Instructional Planning and Teaching Strategies, • Students Evaluation and Examination System, • Educational Guidance and Counselling.
				<p>F) Urdu Literature</p> <p>Part-I Vocabulary, Grammar usage.</p> <p>Part-II (Bachelor's Level)</p> <p>اردو ذخیرہ الفاظ ☆</p> <p>اردو جملے کا ڈھانچہ ☆</p> <p>مضمون (ادبی و تنقیدی) ☆</p> <p>شعری اور تنقیدی مسائل ☆</p> <p>تاریخ ادب اردو ☆</p> <p>ادبی اور تنقیدی اصلاحات کا تعارف ☆</p> <p>طنز و مزاح ☆</p> <p>Part-III</p> <ul style="list-style-type: none"> • Education System in Pakistan, • Educational Psychology, • Class Room Management and Discipline, • Instructional Planning and Teaching Strategies, • Students Evaluation and Examination System, • Educational Guidance and Counselling.

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S. No	Case No. F.4-	Particulars of Post(s)	Test Specification	Topics of Syllabi
				<p>G) Arts Subjects</p> <p>Part-I Vocabulary, Grammar usage.</p> <p>Part-II</p> <ul style="list-style-type: none"> • Basic Arithmetic • Pakistan Studies • General Knowledge • Islamiat <p>Part-III</p> <ul style="list-style-type: none"> • Education System in Pakistan, • Educational Psychology, • Class Room Management and Discipline, • Instructional Planning and Teaching Strategies, • Students Evaluation and Examination System, • Educational Guidance and Counselling.
10.	50/2013	Associate Professor (Male) (History) (BS-19), F.G. Colleges, Directorate of Federal Government Educational Institutions (Cantts/ Garrisons), Ministry of Defence.	<p>Objective Type Test (MCQ)</p> <p>Part-I Subject Test = 70 marks</p> <p>Part-II Professional Test=30 marks</p>	<p>Part-I (Masters Level)</p> <ul style="list-style-type: none"> • Islamic History (The Prophet, Khulafa-i-Rashidin & the Ummayyads) • Islamic Culture, Civilization and Institutions • History of Indo-Pak Sub-continent • Muslim Freedom Movement in India (1857-1947) • Emergence of Pakistan and Afterwards • Important Personalities regarding Pakistan Movement. • French Revolution • First World War • Germany and Nazism • The U.N.O • Research Methodology & Philosophy of History <p>Part-II</p> <ul style="list-style-type: none"> • Educational Planning and Management • Curriculum Planning & Instructional Technology • Education Psychology and Student's Learning • Research Techniques & Report Writing

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11.	51/2013	Director (Works) (BS-19), Directorate General of Special Education, Ministry of Capital Administration and Development	Objective Type Test (MCQ) Professional Test=100 marks	<ul style="list-style-type: none"> • Building Material & Building Construction • Surveying & Levelling • Soil Mechanics & Foundation • Earth and Rock Structure • Engineering Materials • Construction Management • Dam Designing and Construction • Structural Design Applications • Concrete Technology & R.C.C Structure design • Sewerage and Sewage Treatment • Reinforced Concrete • Theory of Structures • Strength of Materials • Planning and Execution of Civil Engineering Project • Public Procurement Regulatory Authority (PPRA) Rules, 2004
12.	52/2013	Assistant Director (BS-17), National Highways & Motorways Police, Ministry of Communications	Objective Type Test (MCQ) <u>Part-I</u> English = 20 marks <u>Part-II</u> Professional Test=80 marks	<p><u>Part-I</u> Vocabulary, Grammar Usage, Sentence Structure.</p> <p><u>Part-II</u></p> <ul style="list-style-type: none"> • Personnel Management • Civil Servants Act, 1973 and Rules made there-under • Rules of Business, 1973 • Secretariat Instructions and Office Procedure. • New System of Financial Control and Budgeting, • Public Procurement Regulatory Authority (PPRA) Rules, 2004 • Basic Arithmetic, • Basic knowledge of Computer/IT.

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