

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

**Scheme and Syllabi for Screening/ Professional Tests Relating to  
Posts Advertised Vide Consolidated Advertisement No. 03/2014**

<p align="center"><b>For Each Case No. of Paper : 1 Marks : 100 Time Allowed: 100 Minutes</b></p>
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S. No	Case No. F.4-	Particulars of Post(s)	Qualifications for Posts	Test Specification	Topics of Syllabi
1.	47/2014	Lecturer (Female) (Geography) (BS-17), Islamabad Model Colleges for Girls, Federal Directorate of Education, Capital Administration and Development Division.	Second Class or Grade 'C' Master's Degree or equivalent in the relevant subject.	Objective Type Test (MCQ) <b>Part-I</b> English =20 marks <b>Part-II</b> Subject Test = 50 marks <b>Part-III</b> Professional Test=30 marks	<b>Part-I</b> Vocabulary, Grammar Usage, Sentence Structuring <b>Part-II (Masters Level)</b> <ul style="list-style-type: none"> <li>• Geographic Thoughts,</li> <li>• Regional Geography,</li> <li>• Geography of Pakistan,</li> <li>• Human Geography,</li> <li>• Economic Geography,</li> <li>• Statistical Geography,</li> <li>• Principles of Cartography,</li> <li>• Climatology/Metrology,</li> <li>• Oceanography,</li> <li>• Environmental Geography,</li> <li>• GIS Techniques,</li> <li>• Geomorphology</li> </ul> <b>Part-III</b> <ul style="list-style-type: none"> <li>• Teaching Techniques and Methodology,</li> <li>• Classroom Management and Discipline,</li> <li>• Testing and Evaluation,</li> <li>• Development of Education in Pakistan.</li> </ul>
2.	62/2014	Assistant Executive Engineer (Electrical) (BS-17), (B&R), MES, Ministry of Defence.	Bachelor's Degree in Electrical Engineering from a recognized University.	Objective Type Test (MCQ) <b>Part-I</b> English = 20 marks <b>Part-II</b> Professional Test=80 marks	<b>Part-I</b> Vocabulary, Grammar Usage, Sentence Structuring <b>Part-II</b> <ul style="list-style-type: none"> <li>• Electric Circuits</li> <li>• Semiconductor Devices</li> <li>• Electrical Instrumentation</li> <li>• Power Transmission</li> <li>• Power System Operation and Control</li> <li>• Power System Protection</li> <li>• High Voltage Engineering</li> <li>• Electrostatics &amp; Electronic System Design</li> <li>• DC Motors &amp; Generators</li> <li>• Transmission Lines &amp; Antennas.</li> </ul>

S. No	Case No. F.4-	Particulars of Post(s)	Qualifications for Posts	Test Specification	Topics of Syllabi
3.	63/2014	Assistant Signal & Telecommunication Engineer (BS-17), Signal & Telecommunication Deptt. of Pak Railways, Ministry of Railways	Bachelor's of Engineering Degree in Electrical/ Electronics/ Telecommunication	Objective Type Test (MCQ) <b>Part-I</b> English = 20 marks <b>Part-II</b> Professional Test=80 marks	<b>Part-I</b> Vocabulary, Grammar Usage, Sentence Structuring <b>Part-II</b> <ul style="list-style-type: none"> <li>• Electric current and Ohm's Law</li> <li>• Batteries</li> <li>• Electrostatics</li> <li>• Semiconductors</li> <li>• Transistors</li> <li>• Amplifiers</li> <li>• Diodes and Power Supplies</li> <li>• Telephony</li> <li>• Antenna and Wave Propagation</li> <li>• Microwaves</li> <li>• Radar Systems</li> <li>• Satellite Communication</li> </ul>
4.	64/2014	Veterinary Officer (Civilian) (BS-17), Remount Veterinary and Farms Corps, Ministry of Defence	i. Veterinary Graduate. ii. Valid Registration with PVC on or before the closing date is required.	Objective Type Test (MCQ) <b>Part-I</b> English =20 marks <b>Part-II</b> Professional Test=80 marks	<b>Part-I</b> Vocabulary, Grammar Usage, Sentence Structuring <b>Part-II</b> <ul style="list-style-type: none"> <li>• Preventive Medicine,</li> <li>• Veterinary Pathology,</li> <li>• Veterinary Parasitology,</li> <li>• Veterinary Microbiology,</li> <li>• Animal Nutrition,</li> <li>• Animal Breeding &amp; Genetics,</li> <li>• Livestock Management,</li> <li>• Poultry Husbandry,</li> <li>• Animal Reproduction,</li> <li>• Infectious Diseases of Bovines &amp; Poultry.</li> </ul>
5.	65/2014	Medical Officer (Dental) (BS-17), Medical Department of Pakistan Railways, Ministry of Railways.	i. BDS or equivalent qualifications. ii. Valid Registration with PMDC on or before the closing date is required.	Objective Type Test (MCQ) <b>Part-I</b> English = 20 marks <b>Part-II</b> Professional Test=80 marks	<b>Part-I</b> Vocabulary, Grammar Usage, Sentence Structuring <b>Part-II</b> <ul style="list-style-type: none"> <li>• Core courses of <b>BDS</b> Degree Program.</li> <li>• Health Policy of the Government and future plans for Health Services to Public</li> <li>• Care vs Cure for Health Management</li> </ul>

S. No	Case No. F.4-	Particulars of Post(s)	Qualifications for Posts	Test Specification	Topics of Syllabi
6.	66/2014	Assistant Professor (BS-18) (Female) (Commerce), Islamabad Model Colleges, Capital Administration and Development Division.	Ph.D. Degree in the relevant subject with one (1) year post qualification teaching experience at College/ University level. <b>OR</b> M.Phil Degree in the relevant subject with three (3) years post qualification teaching experience at College/ University level. <b>OR</b> Second Class or Grade 'C' Master's Degree in the relevant subject with five (5) years post qualification teaching experience at College/ University level.	Objective Type Test (MCQ) <b>Part-I</b> Subject Test = 70 marks <b>Part-II</b> Professional Test=30 marks	<b>Part-I (Masters Level)</b> <ul style="list-style-type: none"> <li>• Auditing</li> <li>• Cost Accounting</li> <li>• Managerial Economics</li> <li>• Financial Management</li> <li>• Operations and Production Management</li> <li>• Research Methods in Business</li> <li>• Computer Application in Business</li> <li>• Banking/Islamic Banking</li> <li>• Mercantile Law</li> </ul> <b>Part-II</b> <ul style="list-style-type: none"> <li>• Teaching Techniques and Methodology,</li> <li>• Educational Planning and Management,</li> <li>• Testing and Evaluation,</li> <li>• Development of Education in Pakistan.</li> </ul>
7.	67/2014	Film Editor (BS-16) GHQ, Ministry of Defence.	i. Second Class or Grade 'C' Bachelor's Degree in Computer Science (BCS). <b>OR</b> Second Class <b>OR</b> Grade 'C' Bachelor's Degree with one year Diploma in Computer Science. ii. Two years experience in film/ video editing (U-Matic, Betacom and Digital Format/ 16MM, 35MM), in Govt./ Semi Govt./ some production house of national repute	Objective Type Test (MCQ) <b>Part-I</b> English = 20 marks <b>Part-II</b> Professional Test=80 marks	<b>Part-I</b> Vocabulary, Grammar Usage <b>Part-II</b> <ul style="list-style-type: none"> <li>• Editing of Films</li> <li>• Safe Storage of Films,</li> <li>• Maintenance of Films,</li> <li>• Editing Methods and Techniques,</li> <li>• Editing Tools,</li> <li>• Visual Communication,</li> <li>• Video Production Methods,</li> <li>• Production Management Skills,</li> <li>• Camera, Lights &amp; Direction.</li> </ul>

S. No	Case No. F.4-	Particulars of Post(s)	Qualifications for Posts	Test Specification	Topics of Syllabi
8.	68/2014	Assistant Professor (Female) (BS-18), <b>A. Mathematics</b> <b>B. Fine Arts</b> F.G. Colleges, Directorate of Federal Government Educational Institutions (Cantt/ Garrison), Ministry of Defence	Ph.D. Degree in the relevant subject with one (01) year post qualification teaching experience at College/ University level. <b>OR</b> M.Phil Degree in the relevant subject with three years post qualification teaching experience at College/ University level. <b>OR</b> Second Class or Grade 'C' Master's Degree in the relevant subject with five years post qualification teaching experience at College/ University level.	Objective Type Test (MCQ) <b>Part-I</b> Subject Test = 70 marks <b>Part-II</b> Professional Test=30 marks	<b>For (A) Mathematics</b> <b>Part-I (Masters Level)</b> <ul style="list-style-type: none"> <li>• Calculus</li> <li>• Number Theory</li> <li>• Group Theory</li> <li>• Computing Tools for Mathematicians</li> <li>• Vector and Tensor Analysis</li> <li>• Classical Mechanics</li> <li>• Complex/Numerical Analysis</li> <li>• Mathematical Statistics</li> <li>• Differential Equations</li> </ul> <b>Part-II</b> <ul style="list-style-type: none"> <li>• Teaching Techniques and Methodology,</li> <li>• Educational Planning and Management,</li> <li>• Testing and Evaluation,</li> <li>• Development of Education in Pakistan.</li> </ul> <b>For (B) Fine Arts</b> <b>Part-I (Masters Level)</b> <ul style="list-style-type: none"> <li>• General Concepts of Art,</li> <li>• Techniques of Painting,</li> <li>• Ancient Civilizations,</li> <li>• Pakistani Art and Artists,</li> <li>• Muslim Architectures and Muslim Art,</li> <li>• Medieval Art- Renaissance-Baroque-Rococo,</li> <li>• Print Making,</li> <li>• Graphic Art (Printing, Etching-Woodcut, lithography)</li> </ul> <b>Part-II</b> <ul style="list-style-type: none"> <li>• Teaching Techniques and Methodology,</li> <li>• Educational Planning and Management,</li> <li>• Testing and Evaluation,</li> <li>• Development of Education in Pakistan.</li> </ul>

S. No	Case No. F.4-	Particulars of Post(s)	Qualifications for Posts	Test Specification	Topics of Syllabi
9.	69/2014	Associate Professor/ Vice Principal (Arabic) (Female) (BS-19), Islamabad Model Colleges, Capital Administration & Development Division.	Ph.D. Degree in the relevant subject with eight (8) years post qualification teaching and administrative experience at College/University level. <b>OR</b> M. Phil Degree in the relevant subject with ten (10) years post qualification teaching and administrative experience at College/University level. <b>OR</b> Second Class or Grade 'C' Master's Degree in the relevant subject with twelve (12) years post qualification teaching and administrative experience at College/ University level.	Objective Type Test (MCQ) <b>Part-I</b> Subject Test = 70 marks <b>Part-II</b> Professional Test=30 marks	<b>Part-I (Master's Level)</b> <ul style="list-style-type: none"> <li>• History of Arabic literature</li> <li>• History of Semetic Languages</li> <li>• Arabic Phonetic</li> <li>• Arabic Syntax</li> <li>• Arabic Classical Literature</li> <li>• Arabic Vocabulary,</li> <li>• Arabic Grammar usage,</li> <li>• Arabic Sentence Structure</li> </ul> <b>Part-II</b> <ul style="list-style-type: none"> <li>• Educational Planning and Management</li> <li>• Curriculum Development &amp; Instructional Technology</li> <li>• Education Psychology and Student's Learning</li> <li>• Research Techniques &amp; Report Writing</li> <li>• Civil Servant Act, 1973 and Rules made thereunder</li> </ul>
10.	70/2014	Veterinary Officer (BS-17), Directorate of Livestock, Dairy Development and Poultry Production Department, Gilgit Baltistan, Kashmir Affairs & Gilgit Baltistan Division	D.V.M/ B.Sc. (Hons.) Animal Husbandry/ M.Sc. Animal Husbandry from a University recognized by HEC.	Objective Type Test (MCQ) <b>Part-I</b> English =20 marks <b>Part-II</b> Professional Test =80 marks	<b>Part-I</b> Vocabulary, Grammar Usage, Sentence Structuring <b>Part-II</b> <ul style="list-style-type: none"> <li>• Livestock &amp; Poultry Diseases</li> <li>• Veterinary Medicines and Vaccines</li> <li>• Veterinary Surgery/Anatomy/Pharmacology</li> <li>• Veterinary Microbiology/Virology</li> <li>• Veterinary Parasitology</li> <li>• Animal Reproduction</li> <li>• Animal Nutrition/Physiology</li> <li>• Poultry, Sheep/Goat &amp; Dairy Farming</li> <li>• Livestock Management and Development</li> <li>• Epidemiology</li> <li>• Procurement/ arrangement of Chemicals/Lab. Machines and their usage</li> </ul>

S. No	Case No. F.4-	Particulars of Post(s)	Qualifications for Posts	Test Specification	Topics of Syllabi
11.	71/2014	Inspector (Legal) (BS-16), Anti Narcotics Force, Ministry of Narcotics Control	Second Class or Grade "C" Bachelor's Degree in Law or equivalent qualification recognized by HEC.	Objective Type Test (MCQ)  <b>Part-I</b> English = 20 marks  <b>Part-II</b> Professional Test=80 marks	<b>Part-I</b> Vocabulary, Grammar usage <b>Part-II</b> <ul style="list-style-type: none"> <li>• Duties and responsibilities of Investigation Officers (Criminal Procedure Code)</li> <li>• Anti Narcotics Force Act, 1997,</li> <li>• Control of Narcotics Substances Act, 1997,</li> <li>• Sections of Pakistan Penal Code related to Anti Narcotics.</li> <li>• Basic knowledge of "Qanun-e-Shahadat Order", 1984.</li> <li>• International Conventions and Agreements on Drug Control.</li> <li>• Role of United Nations Organization for Drug Control (UNODC)</li> <li>• Sources of Terrorist Financing</li> </ul>
12.	72/2014	Deputy Captain Superintendent (BS-19), Pakistan Marine Academy, Ministry of Ports and Shipping.	i) Certificate of Competency as Master Foreign Going or equivalent Naval qualifications. ii) Two (2) years experience in Training Establishment for sailors or equal number of Sea Service in the Rank.	Objective Type Test (MCQ) Professional Test = 100 marks	<ul style="list-style-type: none"> <li>• Principles of Management</li> <li>• Organizational Behaviour</li> <li>• Production/Operations Management</li> <li>• Entrepreneurship</li> <li>• Human Resource Management</li> <li>• Civil Servants Act, 1973 and Rules made thereunder</li> <li>• Rules of Business, 1973</li> <li>• New System of Financial Control and Budgeting</li> <li>• Principles of Secretariat Noting and Drafting</li> <li>• Public Procurement Regulatory Authority Rules, 2004</li> <li>• Basic Arithmetic and Basic knowledge of Computer/IT.</li> <li>• Practical Instructions in General Seamanship and other material</li> <li>• Maintenance and Management of Seamen Training Wing's (STW's) Boats</li> <li>• Planning and Development of Projects at STW</li> </ul>

S. No	Case No. F.4-	Particulars of Post(s)	Qualifications for Posts	Test Specification	Topics of Syllabi
13.	73/2014	Deputy Director (BS-18), Research & Reference Wing, Ministry of Religious Affairs and Interfaith Harmony.	i. Second Class or Grade 'C' Master's degree in Islamic History/Islamic Studies/ Arabic/ Urdu/ Persian/ Economics with Islamic subjects/ Political Science/ Islamic Jurisprudence/ LLB (Shariah) or equivalent qualification from a University recognized by HEC. ii. Five years post qualification Teaching/ Research Experience of Islam in University/ College/ Research Institute or practicing as Lawyer dealing with Shariah cases.	Objective Type Test (MCQ) Professional Test = 100 marks	<ul style="list-style-type: none"> <li>• The sources of Islamic Law</li> <li>• Islamic Criminal Law</li> <li>• Islamic Family Law</li> <li>• Islamic Law and Human Rights</li> <li>• The Arbitration Law in Pakistan</li> <li>• Research Techniques and Methodology</li> <li>• Data Analysis and Report Writing</li> <li>• Principles of Islamic Jurisprudence</li> <li>• Islamic Banking and Insurance</li> <li>• Muslim Family Ordinance 1961</li> <li>• Classroom Management and Discipline</li> <li>• Teaching Techniques and Methodology</li> </ul>
14.	74/2014	Dental Officer (BS-17), Health Department, Government of Gilgit Baltistan, Ministry of Kashmir Affairs and Gilgit Baltistan	BDS or equivalent qualification recognized by Pakistan Medical & Dental Council.	Objective Type Test (MCQ) <b>Part-I</b> English = 20 marks <b>Part-II</b> Professional Test = 80 marks	<p><b>Part-I</b> Vocabulary, Grammar usage, Sentence Structuring</p> <p><b>Part-II</b></p> <ul style="list-style-type: none"> <li>• Core courses of <b>BDS</b> Degree Program.</li> <li>• Health Policy of the Government and future plans for Health Services to Public</li> <li>• Care vs Cure for Health Management</li> </ul>

S. No	Case No. F.4-	Particulars of Post(s)	Qualifications for Posts	Test Specification	Topics of Syllabi
15.	75/2014	Lecturer (Male) (BS-17),	Second Class or Grade 'C' Master's degree in the relevant subject.	Objective Type Test (MCQ)	<b>For 1 (Urdu)</b>
16.	76/2014	Lecturer (Female) (BS-17),  1. Urdu (M/F) 2. English(M/F) 3. Physics(M/F) 4. Mathematics(M/F) 5. Chemistry(M/F) 6. Islamiyat/Islamic Studies (M/F) 7. Geography(M/F) 8. Pakistan Studies(M/F) 9. Economics(M/F) 10. Education(M/F) 11. Sociology(M/F) 12. Political Science(M/F) 13. Persian(M/F) 14. Statistics(M/F) 15. Zoology(M/F) 16. Botany(M/F) 17. Computer Science(M/F) 18. Psychology(F) 19. Home Economics (F) Government Colleges, Educational Department, Gilgit Baltistan, Ministry of Kashmir Affairs and Gilgit Baltistan	<b>Note:</b> The condition of Second Class shall be relaxable for the holders of Master's degree in English.	<b>Part-I</b> English = 20 marks <b>Part-II</b> Subject Test = 50 marks <b>Part-III</b> Professional Test = 30 marks <b>Note:</b> ▪ In Language Subjects (i.e Urdu, English and Persian), English part for 20 marks will not be included. ▪ There will be 70% subject Test and 30% Professional Test. ▪ In the subject of Education, there will be 20% English Test and 80% Subject Test.	<b>Part-I (Master's Level) (70 Marks)</b> اردو ذخیرہ الفاظ ☆ اردو جملے کا ڈھانچہ ☆ اردو قواعد کا استعمال ☆ لسانیات ☆ انیسویں اور بیسویں صدی کا اردو ادب اور اس کا تنقیدی جائزہ ☆ اردو ادب کی نثری اصناف کا تحقیقی جائزہ ☆ اردو ادب کی شعری اصناف کا تحقیقی جائزہ ☆ غالیات ☆ اقبالیات ☆ <b>Part-II (30 Marks)</b> • Teaching Techniques and Methodology, • Classroom Management and Discipline, • Testing and Evaluation, • Development of Education in Pakistan. <b>For 2 (English)</b> <b>Part-I (Master's Level) (70 Marks)</b> • English Literature 14 <sup>th</sup> to 20 <sup>th</sup> Century. • Vocabulary • Structuring of sentences. • Linguistics. • English Language Teaching. • Grammar. • Syntax. • Diction. <b>Part-II (30 Marks)</b> • Teaching Techniques and Methodology, • Classroom Management and Discipline, • Testing and Evaluation, • Development of Education in Pakistan.



S. No	Case No. F.4-	Particulars of Post(s)	Qualifications for Posts	Test Specification	Topics of Syllabi
					<p><b><u>For 3 (Physics)</u></b></p> <p><b><u>Part-I</u></b> Vocabulary, Grammar usage, Sentence Structuring</p> <p><b><u>Part-II (Masters Level)</u></b></p> <ul style="list-style-type: none"> <li>• Heat and Thermodynamics,</li> <li>• Waves and Optics,</li> <li>• Electrostatic,</li> <li>• Electricity and Magnetism,</li> <li>• Atomic and Modern Physics,</li> <li>• Nuclear Physics,</li> <li>• Basic Solid State Physics,</li> <li>• Basic Electronics,</li> <li>• Electrodynamics,</li> <li>• Mechanics</li> </ul> <p><b><u>Part-III</u></b></p> <ul style="list-style-type: none"> <li>• Teaching Techniques and Methodology</li> <li>• Classroom Management and Discipline</li> <li>• Testing and Evaluation</li> <li>• Development of Education in Pakistan</li> </ul>
					<p><b><u>For 4 (Mathematics)</u></b></p> <p><b><u>Part-I</u></b> Vocabulary, Grammar Usage, Sentence Structuring</p> <p><b><u>Part-II (Masters Level)</u></b></p> <ul style="list-style-type: none"> <li>• Calculus/Differentiation, Integration, Limits of continuity</li> <li>• Discrete Structures/Discrete Mathematics,</li> <li>• Communication Skills for Mathematicians,</li> <li>• Computing Tools for Mathematicians,</li> <li>• Classical Mechanics,</li> <li>• Mathematical Statistics,</li> <li>• Real Analysis,</li> <li>• Mathematical Spaces (Sets, Vector Spaces, Metric Spaces, topological spaces Tensors,</li> <li>• Differential Equations.</li> </ul> <p><b><u>Part-III</u></b></p> <ul style="list-style-type: none"> <li>• Teaching Techniques and Methodology,</li> <li>• Classroom Management and Discipline,</li> <li>• Testing and Evaluation,</li> <li>• Development of Education in Pakistan.</li> </ul>

S. No	Case No. F.4-	Particulars of Post(s)	Qualifications for Posts	Test Specification	Topics of Syllabi
					<p><b><u>For 5 (Chemistry)</u></b></p> <p><b><u>Part-I</u></b> Vocabulary, Grammar usage, Sentence Structuring</p> <p><b><u>Part-II (Masters Level)</u></b></p> <ul style="list-style-type: none"> <li>• Chemical Kinetics,</li> <li>• Chemical Equilibrium,</li> <li>• Quantum Theory of Atom,</li> <li>• Synthetic Chemistry &amp; Polymers,</li> <li>• Reaction mechanism,</li> <li>• Green Chemistry,</li> <li>• Spectroscopy,</li> <li>• Nano Technology,</li> <li>• Colloidal State.</li> </ul> <p><b><u>Part-III</u></b></p> <ul style="list-style-type: none"> <li>• Teaching Techniques and Methodology</li> <li>• Classroom Management and Discipline</li> <li>• Testing and Evaluation</li> <li>• Development of Education in Pakistan</li> </ul> <p><b><u>For 6 (Islamiyat/Islamic Studies)</u></b></p> <p><b><u>Part-I</u></b> Vocabulary, Grammar usage, Sentence Structuring</p> <p><b><u>Part-II (Masters Level)</u></b></p> <p style="text-align: center;"> <b>☆ قرآن کا بنیادی موضوعات متن</b>  <b>☆ حدیث: حدیث کی صحت کو جاننے کا معیار</b>  <b>☆ سیرت النبی ﷺ</b>  <b>☆ فرقہ: جامعیت، اختلاف رائے اور عصر حاضر کے تناظر</b>  <b>میں مذہب کی تشریح۔</b>  <b>☆ خلفائے راشدین۔</b>  <b>☆ تاریخ اسلام۔</b> </p> <p><b><u>Part-III</u></b></p> <ul style="list-style-type: none"> <li>• Teaching Techniques and Methodology</li> <li>• Classroom Management and Discipline</li> <li>• Testing and Evaluation</li> <li>• Development of Education in Pakistan</li> </ul>

S. No	Case No. F.4-	Particulars of Post(s)	Qualifications for Posts	Test Specification	Topics of Syllabi
					<p><b><u>For 7 (Geography)</u></b></p> <p><b><u>Part-I</u></b> Vocabulary, Grammar Usage, Sentence Structuring</p> <p><b><u>Part-II (Masters Level)</u></b></p> <ul style="list-style-type: none"> <li>• Geographic Thoughts,</li> <li>• Regional Geography,</li> <li>• Geography of Pakistan,</li> <li>• Human Geography,</li> <li>• Economic Geography,</li> <li>• Statistical Geography,</li> <li>• Principles of Cartography,</li> <li>• Climatology/Metrology,</li> <li>• Oceanography,</li> <li>• Environmental Geography,</li> <li>• GIS Techniques,</li> <li>• Geomorphology</li> </ul> <p><b><u>Part-III</u></b></p> <ul style="list-style-type: none"> <li>• Teaching Techniques and Methodology,</li> <li>• Classroom Management and Discipline,</li> <li>• Testing and Evaluation,</li> <li>• Development of Education in Pakistan.</li> </ul>
					<p><b><u>For 8 (Pakistan Studies)</u></b></p> <p><b><u>Part-I</u></b> Vocabulary, Grammar usage, Sentence Structuring.</p> <p><b><u>Part-II (Masters Level)</u></b></p> <ul style="list-style-type: none"> <li>• Ideology of Pakistan,</li> <li>• Current Issues of Pakistan,</li> <li>• Geography of Pakistan,</li> <li>• Constitutional History of Pakistan,</li> <li>• Language and Cultural Heritage of Pakistan,</li> <li>• Natural Resources of Pakistan,</li> <li>• Economic Development of Pakistan,</li> <li>• Pakistan and Islamic World,</li> <li>• Pakistan's Relations with UNO and its Agencies,</li> <li>• Current Affairs of Pakistan and its Neighbouring Countries. (China, India, Iran and Afghanistan)</li> </ul> <p><b><u>Part-III</u></b></p> <ul style="list-style-type: none"> <li>• Teaching Techniques and Methodology</li> <li>• Classroom Management and Discipline</li> <li>• Testing and Evaluation</li> <li>• Development of Education in Pakistan</li> </ul>

S. No	Case No. F.4-	Particulars of Post(s)	Qualifications for Posts	Test Specification	Topics of Syllabi
					<p><b><u>For 9 (Economics)</u></b></p> <p><b><u>Part-I</u></b> Vocabulary, Grammar usage, Sentence Structuring.</p> <p><b><u>Part-II (Masters Level)</u></b></p> <ul style="list-style-type: none"> <li>• Micro Economics,</li> <li>• Macro Economics,</li> <li>• International Trade,</li> <li>• Economics Development,</li> <li>• WTO and Developing Economies,</li> <li>• Monetary Theory &amp; Public Finance,</li> <li>• Agriculture Development in Pakistan</li> <li>• Industrial Development in Pakistan</li> <li>• Energy Crises and Policy in Pakistan</li> <li>• Interest Free Banking in Pakistan</li> </ul> <p><b><u>Part-III</u></b></p> <ul style="list-style-type: none"> <li>• Teaching Techniques and Methodology</li> <li>• Classroom Management and Discipline</li> <li>• Testing and Evaluation</li> <li>• Development of Education in Pakistan</li> </ul>
					<p><b><u>For 10 (Education)</u></b></p> <p><b><u>Part-I (20 marks)</u></b> Vocabulary, Grammar Usage, Sentence Structuring</p> <p><b><u>Part-II (80 marks)</u></b></p> <ul style="list-style-type: none"> <li>• Aims of Education in Pakistan,</li> <li>• Educational Reforms in Pakistan,</li> <li>• Philosophy of Education,</li> <li>• Sociology of Education,</li> <li>• Educational Psychology,</li> <li>• Educational Guidance &amp; Counseling,</li> <li>• Educational Planning &amp; Management,</li> <li>• Educational Administration and Supervision,</li> <li>• Curriculum Development &amp; Instructions,</li> <li>• Teaching Techniques and Methodology</li> <li>• Classroom Management and Discipline</li> <li>• Testing and Evaluation</li> <li>• Development of Education in Pakistan</li> </ul>

S. No	Case No. F.4-	Particulars of Post(s)	Qualifications for Posts	Test Specification	Topics of Syllabi
					<p><b><u>For 11 (Sociology)</u></b></p> <p><b><u>Part-I</u></b> Vocabulary, Grammar Usage, Sentence Structuring</p> <p><b><u>Part-II (Masters Level)</u></b></p> <ul style="list-style-type: none"> <li>• Culture &amp; Society,</li> <li>• Sociological Theory,</li> <li>• Methods of Sociological Research,</li> <li>• Social Institutions</li> <li>• Mechanism of Social Control</li> <li>• Social and Cultural Change &amp; Social Policy.</li> <li>• Community organization and development</li> <li>• Social Problems in Pakistan</li> </ul> <p><b><u>Part-III</u></b></p> <ul style="list-style-type: none"> <li>• Teaching Techniques and Methodology,</li> <li>• Classroom Management and Discipline,</li> <li>• Testing and Evaluation,</li> <li>• Development of Education in Pakistan</li> </ul>
					<p><b><u>For 12 (Political Science)</u></b></p> <p><b><u>Part-I</u></b> Vocabulary, Grammar usage, Sentence Structuring</p> <p><b><u>Part-II (Masters Level)</u></b></p> <ul style="list-style-type: none"> <li>• Pakistan Movement,</li> <li>• Political System of Pakistan (Constitutional Development),</li> <li>• Muslims Political Thoughts and Institutions,</li> <li>• Comparison of Political System of USA, UK, France and Germany</li> <li>• International Relations,</li> <li>• International Law,</li> <li>• Local Government System in Pakistan,</li> <li>• Ideology and Dynamics of Politics in Pakistan.</li> </ul> <p><b><u>Part-III</u></b></p> <ul style="list-style-type: none"> <li>• Teaching Techniques and Methodology,</li> <li>• Classroom Management and Discipline,</li> <li>• Testing and Evaluation,</li> <li>• Development of Education in Pakistan</li> </ul>

S. No	Case No. F.4-	Particulars of Post(s)	Qualifications for Posts	Test Specification	Topics of Syllabi
					<p><b><u>For 13 (Persian)</u></b></p> <p><b><u>Part-I (Master's Level) (70 Marks)</u></b></p> <ul style="list-style-type: none"> <li>• Classical Persian Prose and Poetry</li> <li>• Modern Persian Literature,</li> <li>• History of Persian Language and Literature,</li> <li>• Study of Iranian History and Culture,</li> <li>• Iqbal's Persian Poetry and Thoughts.</li> </ul> <p><b><u>Part-II (30 Marks)</u></b></p> <ul style="list-style-type: none"> <li>• Teaching Techniques and Methodology,</li> <li>• Classroom Management and Discipline,</li> <li>• Testing and Evaluation,</li> <li>• Development of Education in Pakistan.</li> </ul>
					<p><b><u>For 14 (Statistics)</u></b></p> <p><b><u>Part-I</u></b></p> <p>Vocabulary, Grammar usage, Sentence Structuring.</p> <p><b><u>Part-II (Master's Level)</u></b></p> <ul style="list-style-type: none"> <li>• Measures of Central Tendency,</li> <li>• Measures of Dispersion or Variation,</li> <li>• Regression and Correlation,</li> <li>• Index Numbers,</li> <li>• Probability Theory,</li> <li>• Probability Distributions,</li> <li>• Presentation of Data by Frequency Distribution &amp; Graphs,</li> <li>• Time Series Analysis,</li> <li>• Statistical Inference,</li> <li>• Sampling Theory and Techniques,</li> <li>• Analysis of Variance,</li> <li>• Experimental Design.</li> </ul> <p><b><u>Part-III</u></b></p> <ul style="list-style-type: none"> <li>• Teaching Techniques and Methodology,</li> <li>• Classroom Management and Discipline,</li> <li>• Testing and Evaluation,</li> <li>• Development of Education in Pakistan.</li> </ul>

S. No	Case No. F.4-	Particulars of Post(s)	Qualifications for Posts	Test Specification	Topics of Syllabi
					<p><b>For 15 (Zoology)</b></p> <p><b>Part-I</b> Vocabulary, Grammar Usage, Sentence Structuring</p> <p><b>Part-II (Masters Level)</b></p> <ul style="list-style-type: none"> <li>• Eco System,</li> <li>• Classification of Fish, Reptiles, Mammals,</li> <li>• Classification of Mollusks, Edinodermata,</li> <li>• Species Detailed Account,</li> <li>• Theories of Evolution,</li> <li>• Mammalian Hormonal System,</li> <li>• Membrane System,</li> <li>• Mammalian Gametogenesis and Fertilization,</li> <li>• Multiple Alleles.</li> <li>• Mendelian laws of inheritance,</li> <li>• Reproduction and Development,</li> </ul> <p><b>Part-III</b></p> <ul style="list-style-type: none"> <li>• Teaching Techniques and Methodology,</li> <li>• Classroom Management and Discipline,</li> <li>• Testing and Evaluation,</li> <li>• Development of Education in Pakistan.</li> </ul> <hr/> <p><b>For 16 (Botany)</b></p> <p><b>Part-I</b> Vocabulary, Grammar Usage, Sentence Structuring</p> <p><b>Part-II (Masters Level)</b></p> <ul style="list-style-type: none"> <li>• Algae,</li> <li>• Fungi,</li> <li>• Bryophytes</li> <li>• Pteridophytes,</li> <li>• Gymnosperms,</li> <li>• Angiosperms,</li> <li>• Plant Physiology,</li> <li>• Ecology,</li> <li>• Cytology,</li> <li>• Genetics,</li> <li>• Evolution</li> </ul> <p><b>Part-III</b></p> <ul style="list-style-type: none"> <li>• Teaching Techniques and Methodology,</li> <li>• Classroom Management and Discipline,</li> <li>• Testing and Evaluation,</li> <li>• Development of Education in Pakistan.</li> </ul>

S. No	Case No. F.4-	Particulars of Post(s)	Qualifications for Posts	Test Specification	Topics of Syllabi
					<p><b><u>For 17 (Computer Science)</u></b></p> <p><b><u>Part-I</u></b> Vocabulary, Grammar usage, Sentence Structuring</p> <p><b><u>Part-II (Masters Level)</u></b></p> <ul style="list-style-type: none"> <li>• Introduction to Computing</li> <li>• Data Communication &amp; Networking,</li> <li>• C/C++ Language,</li> <li>• Visual Basic,</li> <li>• Operating System Unix/Linux</li> <li>• Windows XP, 2000,</li> <li>• Oracle/PLSQL,</li> <li>• System Analysis &amp; Design,</li> <li>• Computer Architecture,</li> <li>• Operating System Concepts,</li> <li>• Software Engineering,</li> <li>• Security and Ethical issues</li> <li>• Database Systems,</li> <li>• Management Information System,</li> <li>• Web Programming,</li> </ul> <p><b><u>Part-III</u></b></p> <ul style="list-style-type: none"> <li>• Teaching Techniques and Methodology,</li> <li>• Classroom Management and Discipline,</li> <li>• Testing and Evaluation,</li> <li>• Development of Education in Pakistan</li> </ul> <p><b><u>For 18 (Psychology)</u></b></p> <p><b><u>Part-I</u></b> Vocabulary, Grammar usage, Sentence Structuring</p> <p><b><u>Part-II (Masters Level)</u></b></p> <ul style="list-style-type: none"> <li>• Developmental/ Child Psychology</li> <li>• Social Psychology</li> <li>• Educational Psychology</li> <li>• Counseling Psychology</li> <li>• Abnormal and Clinical Psychology</li> <li>• Organizational/Industrial Psychology</li> <li>• Forensic Psychology</li> <li>• Psychological Testing and Assessment</li> <li>• Neuro-Biological Basis of Behaviour</li> <li>• Research Methodology</li> </ul> <p><b><u>Part-III</u></b></p> <ul style="list-style-type: none"> <li>• Teaching Techniques and Methodology</li> <li>• Classroom Management and Discipline</li> <li>• Testing and Evaluation</li> <li>• Development of Education in Pakistan</li> </ul>



S. No	Case No. F.4-	Particulars of Post(s)	Qualifications for Posts	Test Specification	Topics of Syllabi
					<p><b>For 19 (Home Economics)</b></p> <p><b>Part-I</b> Vocabulary, Grammar usage, Sentence Structuring</p> <p><b>Part-II (Masters Level)</b></p> <ul style="list-style-type: none"> <li>• Introduction to Home Economics</li> <li>• Fundamentals of Food and Nutrition</li> <li>• Meal Management &amp; Food Preservation</li> <li>• Home Management</li> <li>• Childhood and Adolescent Development and their Guidance</li> <li>• Family &amp; Community Development</li> <li>• Introduction to Art and Design</li> <li>• Home Nursing</li> <li>• Textiles and Clothing</li> <li>• Clothing and Consumer Education</li> <li>•</li> </ul> <p><b>Part-III</b></p> <ul style="list-style-type: none"> <li>• Teaching Techniques and Methodology</li> <li>• Classroom Management and Discipline</li> <li>• Testing and Evaluation</li> <li>• Development of Education in Pakistan</li> </ul>
17.	77/2014	Assistant Director (Colleges), (BS-17), Education Department, Gilgit Baltistan, Ministry of Kashmir Affairs and Gilgit Baltistan.	<p>i Second Class or Grade 'C' Master's degree in Business Administration/ Economics.</p> <p>ii Five years post qualification experience in dealing with Administration and Accounts.</p>	<p>Objective Type Test (MCQ)</p> <p><b>Part-I</b> English =20 marks</p> <p><b>Part-II</b> Professional Test =80 marks</p>	<p><b>Part-I</b> Vocabulary, Grammar Usage, Sentence Structuring</p> <p><b>Part-II</b></p> <ul style="list-style-type: none"> <li>• Management Vs Administration</li> <li>• Human Resource Management</li> <li>• Operations Management</li> <li>• Recruitment and Selection</li> <li>• Financial Management</li> <li>• Civil Servants Act, 1973 and Rules made thereunder</li> <li>• Rules of Business, 1973</li> <li>• Secretariat Instructions and Office Procedure.</li> <li>• New System of Financial Control and Budgeting,</li> <li>• Basic knowledge of Computer/IT.</li> <li>• Public Procurement Rules, 2004</li> </ul>

S. No	Case No. F.4-	Particulars of Post(s)	Qualifications for Posts	Test Specification	Topics of Syllabi
18.	78/2014	Director Physical Education, (Female), (BS-16), Government Colleges, Education Department, Gilgit Baltistan, Ministry of Kashmir Affairs and Gilgit Baltistan.	Second Class or Grade 'C' Bachelor's degree with Senior Diploma in Physical Education.	Objective Type Test (MCQ)  <b>Part-I</b> English =20 marks  <b>Part-II</b> Professional Test =80 marks	<b>Part-I</b> Vocabulary, Grammar Usage <b>Part-II</b> <ul style="list-style-type: none"> <li>• Organization &amp; Administration of Physical Education</li> <li>• Philosophy of Physical Education</li> <li>• Research in Physical Education</li> <li>• Measurement &amp; Evaluation in Physical Education</li> <li>• Psychology in Physical Education</li> <li>• Sports Rules: Games and Athletics</li> <li>• Science of Movement</li> <li>• Athletic Injury</li> <li>• Sports Organizations</li> </ul>
19.	79/2014	Librarian (Male), (BS-16), Government Colleges, Education Department, Gilgit Baltistan, Ministry of Kashmir Affairs and Gilgit Baltistan.	Second Class or Grade 'C' Bachelor's degree with Diploma in Library Science or Bachelor of Library Science.	Objective Type Test (MCQ)  <b>Part-I</b> English =20 marks  <b>Part-II</b> Professional Test =80 marks	<b>Part-I</b> Vocabulary, Grammar Usage <b>Part-II</b> <ul style="list-style-type: none"> <li>• Introduction to Library &amp; Information Science</li> <li>• Information Sources and Services</li> <li>• Classification: Theory and Practice</li> <li>• Cataloguing: Theory and Practice</li> <li>• Procurement, Maintenance and Issuance of Library Books</li> <li>• Management of Libraries &amp; Information Centres</li> <li>• Library Automation/Information Storage &amp; Retrieval</li> <li>• Research Methods &amp; Techniques for Librarians</li> <li>• Public Records, Rare Material &amp; their Conservation</li> <li>• Management of Serials Publications</li> <li>• Rules &amp; Procedure regarding Write Off the Library Losses</li> </ul>
20.	80/2014	District Attorney (BS-18), Law and Prosecution Department Gilgit Baltistan, Ministry of Kashmir Affairs and Gilgit Baltistan.	i. Law Graduate from a recognized University. ii. Five years post qualification experience as practicing lawyers/full time prosecutor on behalf of Government.	Objective Type Test (MCQ)  Professional Test =100 marks	<ul style="list-style-type: none"> <li>• Core courses of <b>LL.B.</b> Programme</li> <li>• Role of Lawyer/Prosecutor in Defending the Court Cases</li> <li>• Steps involved in Processing of Legal Cases</li> <li>• Pakistan Penal Code 1860</li> <li>• The Code of Civil Procedure, 1908</li> <li>• The Qanoon-e-Shahadat, 1984</li> <li>• Criminal Procedure Code, 1898</li> <li>• Well-Known Principles of Law and Justice and Legal Words and Terms in Common Usage.</li> </ul>

S. No	Case No. F.4-	Particulars of Post(s)	Qualifications for Posts	Test Specification	Topics of Syllabi
21.	81/2014	Assistant Private Secretary (BS-16), Planning and Development Division.	i. Second Class or Grade 'C' Bachelor's Degree from a recognized University by HEC. ii. Minimum Shorthand Speed of 100 W.P.M. and Typing Speed of 50 W.P.M iii. Must be Computer Literate. <b>Note:</b> A Computer literacy test (Practical) will be conducted comprising use of Microsoft Word and Excel	<ul style="list-style-type: none"> <li>• Typing Test with minimum Speed of 50 W.P.M</li> <li>• Shorthand Test with minimum Speed of 100 W.P.M</li> <li>• Computer Literacy Test:               <ul style="list-style-type: none"> <li>i Microsoft Word (Typing, Formatting)</li> <li>ii Microsoft Excel (Typing, Graph, Calculations)</li> </ul> </li> </ul>	<b>40 Marks</b> <b>40 Marks</b>  <b>10 Marks</b> <b>10 Marks</b>
22.	82/2014	Agriculture Officer (BS-17), Agriculture Department Gilgit Baltistan, Ministry of Kashmir Affairs and Gilgit Baltistan.	Second Class or Grade 'C' M.Sc. Agriculture or Second Class or Grade 'C' B.Sc (Hons) Agriculture (4 years Course after F.Sc).	Objective Type Test (MCQ) <b>Part-I</b> English =20 marks <b>Part-II</b> Professional Test =80 marks	<b>Part-I</b> Vocabulary, Grammar Usage, Sentence Structuring <b>Part-II</b> <ul style="list-style-type: none"> <li>• Introduction to Agriculture</li> <li>• Agricultural Survey</li> <li>• Plant Pathology</li> <li>• Agricultural Planning</li> <li>• Agriculture Machinery</li> <li>• Agricultural Policy &amp; Development</li> <li>• Agricultural Statistics about Pakistan</li> <li>• Issues and Challenges confronting Pakistan in the Agricultural Field</li> <li>• Techniques and Process of Research in Agriculture</li> </ul>
23.	83/2014	Associate Professor/Vice Principal (Male) (BS-19), <b>A. English</b> <b>B. Physics</b> <b>C. Pakistan Studies</b> <b>D. Computer Science</b>  Islamabad Model Colleges for Boys, Federal Directorate of Education, Islamabad, Capital Administration and Development Division.	<b>Ph.D. Degree</b> in the relevant subject with <b>eight</b> years post qualification teaching experience at College/ University level or <b>M. Phil Degree</b> in the relevant subject with <b>ten</b> years post qualification teaching experience at College/ University level or Second Class or Grade 'C' <b>Master's Degree</b> in the relevant subject with <b>twelve</b> years post qualification teaching experience at College/ University level.	Objective Type Test (MCQ)  <b>Part-I</b>  Subject Test = 70 marks  <b>Part-II</b>  Professional Test=30 marks	<b>For (A) English</b> <b>Part-I (Master's level)</b> <ul style="list-style-type: none"> <li>• English Literature 14<sup>th</sup> to 20<sup>th</sup> Century,</li> <li>• Vocabulary,</li> <li>• Structuring of Sentences,</li> <li>• Linguistics,</li> <li>• Teaching of English as Language,</li> <li>• Grammar,</li> <li>• Syntax,</li> <li>• Diction,</li> <li>• Research Methodology/Techniques</li> </ul> <b>Part-II</b> <ul style="list-style-type: none"> <li>• Educational Planning and Management</li> <li>• Curriculum Development &amp; Instructional Technology</li> <li>• Education Psychology and Student's Learning</li> <li>• Research Techniques &amp; Report Writing</li> <li>• Civil Servant Act, 1973 and Rules made thereunder</li> </ul>

S. No	Case No. F.4-	Particulars of Post(s)	Qualifications for Posts	Test Specification	Topics of Syllabi
					<p><b>For (B) Physics</b></p> <p><b>Part-I (Masters Level)</b></p> <ul style="list-style-type: none"> <li>• Heat and Thermodynamics,</li> <li>• Waves and Optics,</li> <li>• Electrostatic,</li> <li>• Electricity and Magnetism,</li> <li>• Atomic and Modern Physics,</li> <li>• Nuclear Physics,</li> <li>• Basic Solid State Physics,</li> <li>• Basic Electronics,</li> <li>• Electrodynamics,</li> <li>• Mechanics</li> <li>• Research Methodology/Techniques</li> </ul> <p><b>Part-II</b></p> <ul style="list-style-type: none"> <li>• Educational Planning and Management</li> <li>• Curriculum Development &amp; Instructional Technology</li> <li>• Education Psychology and Student's Learning</li> <li>• Research Techniques &amp; Report Writing</li> <li>• Civil Servant Act, 1973 and Rules made thereunder</li> </ul> <hr/> <p><b>For (C) Pakistan Studies</b></p> <p><b>Part-I (Masters Level)</b></p> <ul style="list-style-type: none"> <li>• Ideology of Pakistan,</li> <li>• Current Issues of Pakistan,</li> <li>• Geography of Pakistan,</li> <li>• Constitutional History of Pakistan,</li> <li>• Language and Cultural Heritage of Pakistan,</li> <li>• Natural Resources of Pakistan,</li> <li>• Economic Development of Pakistan,</li> <li>• Pakistan and Islamic World,</li> <li>• Pakistan's Relations with UNO and its Agencies,</li> <li>• Current Affairs with Neighbouring Countries.</li> </ul> <p><b>Part-II</b></p> <ul style="list-style-type: none"> <li>• Educational Planning and Management</li> <li>• Curriculum Development &amp; Instructional Technology</li> <li>• Education Psychology and Student's Learning</li> <li>• Research Techniques &amp; Report Writing</li> <li>• Civil Servant Act, 1973 and Rules made thereunder</li> </ul>

S. No	Case No. F.4-	Particulars of Post(s)	Qualifications for Posts	Test Specification	Topics of Syllabi
					<p><b><u>For (D) Computer Science</u></b></p> <p><b><u>Part-I (Masters Level)</u></b></p> <ul style="list-style-type: none"> <li>• Data Communication &amp; Networking,</li> <li>• C/C++ Language,</li> <li>• Visual Basic,</li> <li>• Operating System Unix/Linux</li> <li>• Windows XP, 2000,</li> <li>• Oracle/PLSQL,</li> <li>• System Analysis &amp; Design,</li> <li>• Computer Architecture,</li> <li>• Operating System concepts,</li> <li>• Software Engineering,</li> <li>• Security and Ethical issues</li> <li>• Data Structures,</li> <li>• Management Information System,</li> <li>• Web Programming,</li> </ul> <p><b><u>Part-II</u></b></p> <ul style="list-style-type: none"> <li>• Educational Planning and Management</li> <li>• Curriculum Development &amp; Instructional Technology</li> <li>• Education Psychology and Student's Learning</li> <li>• Research Techniques &amp; Report Writing</li> <li>• Civil Servant Act, 1973 and Rules made thereunder</li> </ul>
24.	84/2014	<p>Associate Professor/Vice Principal (Female) (BS-19),</p> <p><b>A.</b> English <b>B.</b> Urdu <b>C.</b> Botany <b>D.</b> Zoology <b>E.</b> Applied Psychology</p> <p>Islamabad Model Colleges for Girls, Federal Directorate of Education, Islamabad, Capital Administration and Development Division</p>	<p><b>Ph.D. Degree</b> in the relevant subject with <b>eight</b> years post qualification teaching and administrative experience at College/ University level or <b>M.Phil Degree</b> in the relevant subject with <b>ten</b> years post qualification teaching and administrative experience at College/ University level or Second Class or Grade 'C' <b>Master's Degree</b> in the relevant subject with <b>twelve</b> years post qualification teaching and administrative experience at College/ University level.</p>	<p>Objective Type Test (MCQ)</p> <p><b>Part-I</b></p> <p>Subject Test = 70 marks</p> <p><b>Part-II</b></p> <p>Professional Test=30 marks</p>	<p><b><u>For (A) English</u></b></p> <p><b><u>Part-I (Master's level)</u></b></p> <ul style="list-style-type: none"> <li>• English Literature 14<sup>th</sup> to 20<sup>th</sup> Century,</li> <li>• Vocabulary,</li> <li>• Structuring of Sentences,</li> <li>• Linguistics,</li> <li>• Teaching of English as Language,</li> <li>• Grammar,</li> <li>• Syntax,</li> <li>• Diction,</li> <li>• Research Methodology/Techniques</li> </ul> <p><b><u>Part-II</u></b></p> <ul style="list-style-type: none"> <li>• Educational Planning and Management</li> <li>• Curriculum Development &amp; Instructional Technology</li> <li>• Education Psychology and Student's Learning</li> <li>• Research Techniques &amp; Report Writing</li> <li>• Civil Servant Act, 1973 and Rules made thereunder</li> </ul>

S. No	Case No. F.4-	Particulars of Post(s)	Qualifications for Posts	Test Specification	Topics of Syllabi
					<p><b>For (B) Urdu</b></p> <p><b>Part-I (Masters Level)</b></p> <p>اروؤ ذخیرہ الفاظ ☆  اروؤ جملے کا ڈھانچہ ☆  اروؤ قواعد کا استعمال ☆  لسانیات ☆  انیسویں اور بیسویں صدی کا اروؤ ادب اور اس کا تنقیدی جائزہ ☆  اروؤ ادب کی نثری اصناف کا تحقیقی جائزہ ☆  اروؤ ادب کی شعری اصناف کا تحقیقی جائزہ ☆  غالیات ☆  اقالیات ☆  تنقید ☆  طرح و مزاج ☆</p> <p><b>Part-II</b></p> <ul style="list-style-type: none"> <li>• Educational Planning and Management</li> <li>• Curriculum Development &amp; Instructional Technology</li> <li>• Education Psychology and Student's Learning</li> <li>• Research Techniques &amp; Report Writing</li> <li>• Civil Servant Act, 1973 and Rules made thereunder</li> </ul> <p><b>For (C) Botany</b></p> <p><b>Part-I (Masters Level)</b></p> <ul style="list-style-type: none"> <li>• Algae,</li> <li>• Fungi,</li> <li>• Bryophytes</li> <li>• Pteridophytes,</li> <li>• Gymnosperms,</li> <li>• Angiosperms,</li> <li>• Plant Physiology,</li> <li>• Ecology,</li> <li>• Cytology,</li> <li>• Genetics,</li> <li>• Evolution</li> </ul> <p><b>Part-II</b></p> <ul style="list-style-type: none"> <li>• Educational Planning and Management</li> <li>• Curriculum Development &amp; Instructional Technology</li> <li>• Education Psychology and Student's Learning</li> <li>• Research Techniques &amp; Report Writing</li> <li>• Civil Servant Act, 1973 and Rules made thereunder</li> </ul>

S. No	Case No. F.4-	Particulars of Post(s)	Qualifications for Posts	Test Specification	Topics of Syllabi
					<p><b><u>For (D) Zoology</u></b></p> <p><b><u>Part-I (Masters Level)</u></b></p> <ul style="list-style-type: none"> <li>• Eco System,</li> <li>• Classification of Fish, Reptiles, Mammals,</li> <li>• Classification of Mollusks, Edinodermata,</li> <li>• Species Detailed Account,</li> <li>• Theories of Evolution,</li> <li>• Mammalian Hormonal System,</li> <li>• Membrane System,</li> <li>• Mammalian Gametogenesis and Fertilization,</li> <li>• Multiple Alleles.</li> <li>• Mendelian laws of inheritance,</li> <li>• Reproduction and Development,</li> </ul> <p><b><u>Part-II</u></b></p> <ul style="list-style-type: none"> <li>• Educational Planning and Management</li> <li>• Curriculum Development &amp; Instructional Technology</li> <li>• Education Psychology and Student's Learning</li> <li>• Research Techniques &amp; Report Writing</li> <li>• Civil Servant Act, 1973 and Rules made thereunder</li> </ul> <p><b><u>For (E) Applied Psychology</u></b></p> <p><b><u>Part-I (Masters Level)</u></b></p> <ul style="list-style-type: none"> <li>• Social Psychology</li> <li>• Educational Psychology and Student's Learning</li> <li>• Psychology of Mass Communication</li> <li>• Psychological Testing and Assessment</li> <li>• Neuro-Biological Basis of Behaviour</li> <li>• Counseling Psychology</li> <li>• Developmental/ Child Psychology</li> <li>• Research Methodology</li> <li>• Abnormal Psychology</li> <li>• Industrial Psychology</li> </ul> <p><b><u>Part-II</u></b></p> <ul style="list-style-type: none"> <li>• Educational Planning and Management</li> <li>• Curriculum Development &amp; Instructional Technology</li> <li>• Education Psychology and Student's Learning</li> <li>• Research Techniques &amp; Report Writing</li> <li>• Civil Servant Act, 1973 and Rules made thereunder</li> </ul>

S. No	Case No. F.4-	Particulars of Post(s)	Qualifications for Posts	Test Specification	Topics of Syllabi
25.	85/2014	Photogrammetrist (BS-17), Geological Survey of Pakistan, Ministry of Petroleum and Natural Resources	Second Class or Grade 'C' M.Sc. Degree in Mathematics or Grade 'C' M.Sc. in Computer Science (MCS) with specialization in GIS or equivalent qualification from a University recognized by the HEC.	Objective Type Test (MCQ) <b>Part-I</b> English =20 marks <b>Part-II</b> Professional Test =80 marks	<b>Part-I</b> Vocabulary, Grammar usage, Sentence Structuring <b>Part-II</b> <ul style="list-style-type: none"> <li>• Geographic Data: Types and Representation</li> <li>• Data Capturing and Automation</li> <li>• Photogrammetry</li> <li>• Remote Sensing</li> <li>• Global Positioning System (GPS)</li> <li>• Database for GIS</li> <li>• Geographical Analysis</li> <li>• Elementary Mathematics: Geometry, Trigonometric Functions</li> <li>• Surveying Techniques</li> <li>• Principles of Cartography</li> </ul>
26.	86/2014	Librarian (BS-17), Pakistan Pubic Administrative Research Centre, Management Services Wing, Establishment Division.	Second Class or Grade 'C' Master's Degree in Library Science/ Information Science OR i. Graduate with Diploma in Library Science from a University/Bachelor of Library Science ii. Five years post qualification professional experience in BS-16 otherwise eight years post qualification experience if not in BS-16 or Second Class or Grade 'C' Master's Degree with Diploma in Library Science.	Objective Type Test (MCQ) <b>Part-I</b> English =20 marks <b>Part-II</b> Professional Test =80 marks	<b>Part-I</b> Vocabulary, Grammar Usage, Sentence Structuring <b>Part-II</b> <ul style="list-style-type: none"> <li>• Introduction to Library &amp; Information Science</li> <li>• Information Sources and Services</li> <li>• Classification: Theory and Practice</li> <li>• Cataloguing: Theory and Practice</li> <li>• Procurement, Maintenance and Issuance of Library Books</li> <li>• Management of Libraries &amp; Information Centres</li> <li>• Library Automation/Information Storage &amp; Retrieval</li> <li>• Research Methods &amp; Techniques for Librarians</li> <li>• Public Records, Rare Material &amp; their Conservation</li> <li>• Management of Serials Publications</li> <li>• Rules &amp; Procedure regarding Write Off the Library Losses</li> </ul>
27.	87/2014	Senior Statistical Officer (BS-18), Pakistan Pubic Administrative Research Centre, Management Services Wing, Establishment Division.	i. Second Class or Grade 'C' Master's Degree or equivalent qualification in Statistics/ Mathematics/Economics. ii. Five years post qualification experience in compiling Socio-economic data involving application Statistical techniques and writing of report thereon.	Objective Type Test (MCQ) Professional Test=100 marks	<ul style="list-style-type: none"> <li>• Descriptive Statistics</li> <li>• Probability Theory and Distributions</li> <li>• Regression Analysis &amp; Correlation Analysis</li> <li>• Sampling &amp; Sampling Distributions</li> <li>• Statistical Inferences</li> <li>• Design of Experiments</li> <li>• Population Analysis</li> <li>• Statistical Systems in Pakistan</li> <li>• Data Analysis and Report Writing</li> </ul>



S. No	Case No. F.4-	Particulars of Post(s)	Qualifications for Posts	Test Specification	Topics of Syllabi
28.	88/2014	Assistant Town Planner (BS-17), Public Works Department, Gilgit Baltistan, Ministry of Kashmir Affairs and Gilgit Baltistan.	Bachelor's Degree or Post Graduate Diploma from a recognized University in Town Planning/City and Regional Planning.	Objective Type Test (MCQ) <b>Part-I</b> English =20 marks <b>Part-II</b> Professional Test =80 marks	<b>Part-I</b> Vocabulary, Grammar Usage, Sentence Structuring <b>Part-II</b> <ul style="list-style-type: none"> <li>Goals and objectives of Town Planning</li> <li>History of Planning in Pakistan (5 years Plans)</li> <li>Managing Urbanization</li> <li>Public Policy and Urban Design Management</li> <li>Housing Community and Economic Development</li> <li>Various Sectors of Urban Planning (Housing, Traffic &amp; Transportation, Education and Health facilities, Water Supply, Sewerage and Drainage System, Solid Waste Management, Parks and Open Spaces, Commerce and Industry etc.</li> <li>Urban Challenges in Gilgit Baltistan</li> </ul>
29.	89/2014	SAS Accountant (BS-16), Public Works Department, Gilgit Baltistan, Ministry of Kashmir Affairs and Gilgit Baltistan	Second Class or Grade 'C' Master's degree in Commerce/Economics or Business Administrative or Second Class or Grade 'C' Bachelor's degree in Commerce/Business Administration with Economics having three (3) years post qualification experience in Audit/Accounts matters or SAS qualified.	Objective Type Test (MCQ) <b>Part-I</b> English =20 marks <b>Part-II</b> Professional Test =80 marks	<b>Part-I</b> Vocabulary, Grammar Usage, <b>Part-II</b> <ul style="list-style-type: none"> <li>Accounting Principles &amp; Procedures,</li> <li>Scrutiny of Record for Audit Purpose,</li> <li>Journal, ledger &amp; Cash Book,</li> <li>Annual Budgeting,</li> <li>Adjustment &amp; Depreciation,</li> <li>Financial Planning &amp; Cost Accounting,</li> <li>Head of Accounts, Re-appropriation of Accounts and Supplementary Grant,</li> <li>Settlement of Audit Objections</li> <li>Preparation of Pension Documents.</li> <li>Public Procurement Rules, 2004</li> </ul>
30.	90/2014	Deputy District Attorneys, (BS-18), Islamabad Capital Territory (ICT), Ministry of Interior	Law Graduate with at least five years post qualification practice as an Advocate/Dealing with legal Matters.	Objective Type Test (MCQ) Professional Test=100 marks	<ul style="list-style-type: none"> <li>Core courses of <b>LL.B.</b> Programme</li> <li>Role of Lawyer/Prosecutor in Defending the Court Cases</li> <li>Steps involved in Processing of Legal Cases</li> <li>Pakistan Penal Code 1860</li> <li>The Code of Civil Procedure, 1908</li> <li>The Qanoon-e-Shahadat, 1984</li> <li>Criminal Procedure Code, 1898</li> <li>Well-Known Principles of Law and Justice and Legal Words and Terms in Common Usage.</li> </ul>
31.	91/2014	Assistant District Attorneys, (BS-17), Capital Territory (ICT), Ministry of Interior	Law Graduate with at least three years post qualification experience as an Advocate/Dealing with legal Matters.	Objective Type Test (MCQ) <b>Part-I</b> English =20 marks <b>Part-II</b> Professional Test =80 marks	<b>Part-I</b> Vocabulary, Grammar Usage, Sentence Structuring <b>Part-II</b> <ul style="list-style-type: none"> <li>Core courses of <b>LL.B.</b> Programme</li> <li>Steps involved in Processing of Legal Cases</li> <li>Pakistan Penal Code 1860</li> <li>The Code of Criminal Procedure</li> <li>The Qanoon-e-Shahadat, 1984</li> </ul>

S. No	Case No. F.4-	Particulars of Post(s)	Qualifications for Posts	Test Specification	Topics of Syllabi
32.	92/2014	Assistant Director (BS-17) Research & Reference Wing, Ministry of Religious Affairs and Interfaith Harmony.	Second Class or Grade 'C' Master's degree in Islamic History/Islamic Studies/ Arabic/ Urdu/ Persian/ Economic with Islamic subjects/Political Science/Islamic Jurisprudence/LLB (Shariah) or equivalent qualification recognized by HEC.	Objective Type Test (MCQ) <b>Part-I</b> English =20 marks <b>Part-II</b> Professional Test =80 marks	<b>Part-I</b> Vocabulary, Grammar Usage, Sentence Structuring <b>Part-II</b> <ul style="list-style-type: none"> <li>• The sources of Islamic Law</li> <li>• Islamic Criminal Law</li> <li>• Islamic Family Law</li> <li>• Islamic Law and Human Rights</li> <li>• The Arbitration Law in Pakistan</li> <li>• Research Techniques and Methodology</li> <li>• Data Analysis and Report Writing</li> <li>• Principles of Islamic Jurisprudence</li> <li>• Islamic Banking and Insurance</li> <li>• Muslim Family Ordinance 1961</li> </ul>
33.	93/2014	Pathologist-Cum-Bacteriologist (BS-18), Medical Department of Pakistan Railways, Ministry of Railways	i. MBBS or equivalent qualifications ii. Post graduate higher diploma/ degree, viz., MS/ FRCS/ FCPS/ MRCP/ FFA or equivalent in the requisite Speciality and two (02) year's post qualification clinical experience. <b>OR</b> Post graduate lower diploma in the requisite Speciality and four (04) years' post qualification clinical experience.	Objective Type Test (MCQ) Professional Test=100 marks	<ul style="list-style-type: none"> <li>• Core courses of <b>MBBS Degree</b></li> <li>• Contents of lower/higher <b>diploma in Pathology.</b></li> <li>• Care vs. Cure for Health Management</li> <li>• Targets and achievements of Health Policy of the Government,</li> <li>• Hospital Administration</li> <li>• Future plans of the government for health services to Public.</li> </ul>
34.	94/2014	Deputy Director (BS-18), Ministry of Law, Justice and Human Rights	i. Second Class or Grade 'C' Master's Degree or LLB Degree or equivalent qualifications from a University recognized by the Higher Education Commission. ii. Five years experience in the field of Human Rights in a position equivalent to a BS-17 post, in a Government/ Semi-Government/ Non-Government Organization or an Organization of repute.	Objective Type Test (MCQ) Professional Test =100 Marks	<ul style="list-style-type: none"> <li>• Issues of Human Right</li> <li>• Human Rights in Pakistan</li> <li>• National Commission for Human Right Act, 2008</li> <li>• United Nation Declaration of Human Rights</li> <li>• Secretariat Instructions</li> <li>• Civil Servants (Appointment, Promotion and Transfer) Rules, 1973</li> <li>• Civil Servants Act, 1973 and Rules framed thereunder.</li> <li>• Government Servants (Efficiency &amp; Discipline) Rules 1973.</li> <li>• Civil Servant (Appeal) Rules, 1977</li> <li>• Government Servants Conduct Rules, 1964</li> <li>• Revised Leave Rules, 1980</li> </ul>

S. No	Case No. F.4-	Particulars of Post(s)	Qualifications for Posts	Test Specification	Topics of Syllabi
35.	95/2014	Psychologist (BS-18), Federal Public Service Commission, Islamabad	<p>Second Class or Grade 'C' Master's Degree in Psychology or Applied Psychology or equivalent qualification from a University recognized by HEC.</p> <p>Five (5) years post qualification experience in any of the following fields:</p> <p>i. <b>Research.</b> Research experience of carrying out empirical research in one of the fields/areas i.e. Psychometrics, or Clinical, or Test Construction and Measurement or Personnel Selection or Job analysis or Counseling.</p> <p>ii. <b>Professional.</b> Experience in Armed Forces or Public Service Commissions or other institutions engaged in work related to selection of personnel or recruitment or Test Construction and Measurement or report writing.</p> <p>iii. <b>Teaching.</b> Teaching experience in one of the fields/ areas i.e. Psychometrics or Clinical or Test Construction and Measurement or Organizational/Personnel Psychology or Counselling Psychology. Teaching experience should be at post graduate level.</p> <p><b>Note:</b> - Must qualify the written test in the areas. (a) Theory and practice of test development/ construction and related research. (b) Use and interpretation of Psychological tests for assessment and evaluation in various fields (c) Application of Statistical methods, Experimental designs and research methodology in Psychology (d) Essentials of conducting and writing of research reports.</p>	<p>_Objective Type Test (MCQ)</p> <p>Professional Test =100 Marks</p>	<ul style="list-style-type: none"> <li>• Theory and practice of test development/ construction and related research,</li> <li>• Use and interpretation of psychological tests for assessment and evaluation in areas like clinical, personnel selection and counseling,</li> <li>• Application of statistical methods and experimental design, computer packages like SPSS for psychological research,</li> <li>• Research Methodology/Techniques and Report Writing,</li> <li>• Theories of Personality and latest trends</li> <li>• Personality disorders, anxiety disorder, mood disorders</li> <li>• Projective and Objective Tests and Techniques of Personality Assessment</li> </ul>

S. No	Case No. F.4-	Particulars of Post(s)	Qualifications for Posts	Test Specification	Topics of Syllabi
36.	97/2014	Nautical Instructor (BS-19) Pakistan Marine Academy, Ministry of Ports and Shipping.	i) Certificate of Competency or Certificate of service as Master of Foreign-going ships. ii) At least two (2) years post qualification experience in Command or three (3) years post qualification experience as Second-in Command/Chief Officer of ships.	Objective Type Test (MCQ) Professional Test = 100 marks	<ul style="list-style-type: none"> <li>• Professional Theoretical Instructions in the Classroom</li> <li>• Practical Instructions in General Seamanship</li> <li>• Training visits alongwith Cadets</li> <li>• Planning and Development of Training Courses and Material</li> <li>• Classroom Management and Discipline</li> </ul>