



The Islmia University of Bahawalpur

Examinations Department

Scheme of Studies BS (2 Years) 7th Semester (Session 2024-2026)

Sr#	Program (BS 7th Semester)	I	II	III	IV	V	VI
1	BS-BOTANY	Expeimental Design and Computer Applications (2+1)	Plant Bio-Chemistry-II (2+1)	Plant Ecology-II (2+1)	Plant Physiology-II (2+1)	Introduction to Biotechnology (2+1)	---
2	BS-CHEMISTRY	Reactive Intermediates & Photochemistry/ Luminescence and Laser Spectroscopy/ Nuclear and Radiochemistry / Nutritional Biochemistry/ Surface Chemistry and Catalysis (4+0)	Chemistry of Natural Products / Analytical Methodologies in Industry / Spectroscopic Techniques and Its Applications/ Techniques in Molecular Biology/ Quantum Chemistry (4+0)	Spectroscopy in Organic Chemistry-I/ Advanced Separation Techniques / Chemical Kinetics and Inorganic/ Laboratory Techniques and Biochemical Calculations/ Group Theory & Symmetry (4+0)	Organic Chemistry-VII (Lab. Work-I)/ Analytical Chemistry-VII (Lab. Work-I)/ Inorganic Chemistry-VII (Lab. Work-I)/ Biochemistry-VII (Lab. Work-I)/ Physical Chemistry-VII (Lab. Work-I) (0+3)	Applied Chemistry Elective-II (3+0)	---
3	BS-COMMERCE	Strategic Management (3+0)	Business Taxation (3+0)	E-Commerce (3+0)	Corporate Finance (3+0)	Islamic Banking & Finance / Corporate Reporting (3+0)	---
4	BS-COMPUTER SCIENCE	Data Mining and Warehousing (3+0)	It Project Management (3+0)	Machine Learning (3+0)	Object Oriented Software Engineering (3+0)	Final Year Project-I (0+3)	---
5	BS-EDUCATION	Teaching of English (3+0)	Teaching of General Science (3+0)	Teaching of Math (3+0)	Teaching of Social Studies (3+0)	Teaching of Urdu (3+0)	Teaching Practice (0+3)
6	BS-ENGLISH	Research Methods and Term Paper Writing (3+0)	Introduction to Applied Linguistics (3+0)	Introduction to Stylistics (3+0)	Literary Theory and Practice (3+0)	Pakistani Literature in English (3+0)	---
7	BS-INFORMATION Technology	Visual Programing + Lab (3+1)	Big Data and Business Inteligence (3+0)	Object Oriented Software Engineering (3+0)	Network Security (3+0)	Final Year Project-I (0+3)	---
8	BS-ISLAMIC STUDIES	Al-Dawah wal Irshad (3+0)	Usul al-Fiqh (3+0)	Methodology of Research in Islamic Studies (3+0)	History of Islamic Culture and Civilization (3+0)	Study of Islamic Fiqh-I (3+0)	Study of Islamic Fiqh-II (3+0)

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9	BS-MATHEMATICS	Probability Theory (3+0)	Numerical Analysis (3+0)	Mathematical Methods (3+0)	Theory of Rings and Fields (3+0)	Ideal Fluid Dynamics/ Introduction to Combinatorics/ Geometric Modeling (3+0)	Quantum Mechanics / Advanced Group Theory/ Approximation Theory and Splines (3+0)
10	BS-PHYSICS	Nuclear Physics-I (3+0)	Electrodynamics-I (3+0)	Quantum Mechanics-I (3+0)	Physics Lab-VII (0+3)	Advanced Solid State Physics (3+0)/ Lasers (3+0)/ Digital Electronics (2+1)	Seminar(about Project) (0+3)
11	BS-PHYSICAL EDUCATION	Sports Injuries, Treatment & Rehabilitation (Major 6) (Theory + Practical) (2+1)	Exercise Physiology (Major 7) (Theory + Practical) (2+1)	Scientific Sports Coaching (Foundation 6) (Theory + Practical) (2+1)	Specialization in one Game (Electiv 2) (Theory + Practical) i. Cricket ii. Squash iii. Wrestling iv. Kabaddi v. Cycling vi. Soft Ball vii. Baseball viii. Handball ix. Lawn Tennis (1+2)	Development of Research Proposal (3+0)	Physical Efficiency Test (Theory + Practical) (1+2)
12	BS-PSYCOLOGY	Statistics in Psychology	Research Methods-I (Quantitative)	Research Methods-II (Qualitative)	Positive Psychology	---	---
13	BS-URDU	Iqbalat-I (3+0)	Tareekh e Adab urdu-III (3+0)	Urdu Afsana-I (3+0)	Ghair Afsanwi Nasar-I (3+0)	Classical urdu Nazam (3+0)	Optional Subjects, Chose One, i. Mintoo ka Khasosi Mutaila ii. Asool e Tehqeeq wa Tadween iii. Khasosi Mutaila of Khawaja Fareed (3+0)
14	BS-ZOOLOGY	Fish Culture (2+1)	Developmental Biology (2+1)	Mammalogy (2+1)	Haematology (2+1)	Introduction to Biotechnology (2+1)	---

Note: The exam of BS 7th semester will be conducted according to this scheme of studies.

Colleges are requested to Communicate the scheme of studies to all teachers and candidates.

Controller of Examinations