



Cluster University of Srinagar

Gogji-Bagh, Srinagar – 190008

Established by the Government of Jammu & Kashmir through the Srinagar and Jammu Cluster Universities Act of 2016
Recognised by UGC under Section 2(f) of the UGC Act of 1956

Website: www.cusrinagar.edu.in

Email: registrar@cusrinagar.edu.in

Syllabus for the Objective Type Examination for Library Bearer

Maximum Marks: 100

Time: 100 Minutes

Unit I: Basic English

10 Marks

Articles; Synonyms; Antonyms; Prepositions; Verbs; Reading comprehension; Determiners; Spelling; Clauses; Punctuation; Idioms & phrases; Active & Passive Voice; Sentences.

Unit II: Numerical & Reasoning Ability

20 Marks

Percentage; Average; Ratio and Proportions; Time, Work and Distance; Problems on Ages; Probability; LCM and HCF; Analogies; Relationship Concepts; Odd One Out; Direction Sense; Figure Series Completion; Venn Diagram; Number Series; Coding and Decoding.

Unit III: General Awareness & Sciences

20 Marks

General current events (National Level); Sports; Indian Culture; Indian History; Indian Geography; General Science: Health, Hygiene and Sanitation; History, Geography and Culture of Jammu and Kashmir (UT).

Unit IV: Library Basics

20 Marks

Types of libraries and features; Five Laws of Library Science; library legislation in India; digital libraries and IPR; major organisations—Indian Library Association.

Basics of classification and cataloguing: call number, class number, book number; purpose and types of classification; Universal Decimal Classification, Colon Classification; ISBD, ISBN, ISSN; library catalogue.

Collection and circulation: book selection tools and principles; print/non-print materials; document processing; basics of journals; circulation systems; stock verification methods.

Unit V: Basics of Information Sources & Reference Services

20 Marks

Information sources: meaning, types, and importance. Reference services: types (ready and long-range), CAS & SDI; Role and skills of a reference librarian; indexing and abstracting sources; types of bibliographies.

Unit VI: ICT Basics

10 Marks

Library automation; technologies- barcode, RFID, QR code, biometric systems, smart cards (features & uses); Digital libraries and institutional repositories (national/institutional initiatives); Basics of computers (hardware & software); Internet & WWW, search engines.



Cluster University of Srinagar

Gogji-Bagh, Srinagar – 190008

Established by the Government of Jammu & Kashmir through the Srinagar and Jammu Cluster Universities Act of 2016
Recognised by UGC under Section 2(f) of the UGC Act of 1956

Website: www.cusrinagar.edu.in

Email: registrar@cusrinagar.edu.in

Syllabus for the Objective-Type Examination for Laboratory Bearer (AI & ML)

Maximum Marks: 100

Time: 100 Minutes

Unit I: Basic English

20 Marks

Articles; Synonyms; Antonyms; Prepositions; Verbs; Reading comprehension; Determiners; Spelling; Clauses; Punctuation; Synonyms & antonyms; Idioms & phrases; Active & Passive Voice; Sentences.

Unit II: Numerical & Reasoning Ability

20 Marks

Percentage; Average; Ratio and Proportions; Time, Work and Distance; Problems on Ages; Probability; LCM and HCF; Analogies; Relationship Concepts; Odd One Out; Direction Sense; Figure Series Completion; Venn Diagram; Number Series; Coding and Decoding.

Unit III: General Awareness & Science

20 Marks

General current events (National Level); Sports; Indian Culture; Indian History; Indian Geography; General Science; Health, Hygiene and Sanitation; History, Geography and Culture of Jammu and Kashmir (UT).

Unit IV: Computer Applications

20 Marks

Basic Applications of Computer and its Components; Fundamentals of Computer Science; Hardware and Software; Input and Output Devices; Knowledge of MS Office, PDF, Internet and E-mail; Role of IT in Governance.

Unit V: AI & ML Laboratory Basics

20 Marks

Introduction to Artificial Intelligence (AI) and Machine Learning (ML), Basic knowledge of computers and their uses in AI & ML laboratory; Common examples and applications of AI&ML; Basic knowledge of software and applications used in AI & ML laboratories; Basics of Generative AI and their Common Examples; Basic use and care of laboratory computers and other equipment's; Safe handling of electrical and electronic equipment; Laboratory cleanliness, safety and discipline; Data protection, safe storage of files and responsible use of computers.



Cluster University of Srinagar

Gogji-Bagh, Srinagar – 190008

Established by the Government of Jammu & Kashmir through the Srinagar and Jammu Cluster Universities Act of 2016
Recognised by UGC under Section 2(f) of the UGC Act of 1956

Website: www.cusrinagar.edu.in

Email: registrar@cusrinagar.edu.in

Syllabus for the Objective Type Examination for Laboratory Bearer (Botany)

Maximum Marks: 100

Time: 100 Minutes

Unit I: Basic English

20 Marks

Articles; Synonyms; Antonyms; Prepositions; Verbs; Reading comprehension; Determiners; Spelling; Clauses; Punctuation; Synonyms & antonyms; Idioms & phrases; Active & Passive Voice; Sentences.

Unit II: Numerical & Reasoning Ability

20 Marks

Percentage; Average; Ratio and Proportions; Time, Work and Distance; Problems on Ages; Probability; LCM and HCF; Analogies; Relationship Concepts; Odd One Out; Direction Sense; Figure Series Completion; Venn Diagram; Number Series; Coding and Decoding.

Unit III: General Awareness & Sciences

20 Marks

General current events (National Level); Sports; Indian Culture; Indian History; Indian Geography; General Science; Health, Hygiene and Sanitation; History, Geography and Culture of Jammu and Kashmir (UT).

Unit IV: Computer Applications

20 Marks

Basic Applications of Computer and its Components; Fundamentals of Computer Science; Hardware and Software; Input and Output Devices; Knowledge of MS Office, PDF, Internet and E-mail; Role of IT in Governance.

Unit V: Botany Laboratory Basics

20 Marks

Basic knowledge of Botany laboratory; Identification and uses of common laboratory apparatus; Microscope – basic parts, handling and care; Slides and coverslips – basic handling; Basic knowledge of plant parts – root, stem, leaf, flower, fruit and seed; Herbarium – basic preparation, preservation and labelling of plant specimens; Basic knowledge of seeds and seed germination; Basic laboratory practices; Cleaning and proper storage of laboratory equipment and specimens; Safe handling of glassware and biological materials; Laboratory hygiene, safety and waste disposal; Maintenance of laboratory records and materials.



Cluster University of Srinagar

Gogji-Bagh, Srinagar – 190008

Established by the Government of Jammu & Kashmir through the Srinagar and Jammu Cluster Universities Act of 2016
Recognised by UGC under Section 2(f) of the UGC Act of 1956

Website: www.cusrinagar.edu.in

Email: registrar@cusrinagar.edu.in

Syllabus for the Objective Type Examination for Laboratory Bearer (Geography)

Maximum Marks: 100

Time: 100 Minutes

Unit I: Basic English

20 Marks

Articles; Synonyms; Antonyms; Prepositions; Verbs; Reading comprehension; Determiners; Spelling; Clauses; Punctuation; Idioms & phrases; Active & Passive Voice; Sentences.

Unit II: Numerical & Reasoning Ability

20 Marks

Percentage; Average; Ratio and Proportions; Time, Work and Distance; Problems on Ages; Probability; LCM and HCF; Analogies; Relationship Concepts; Odd One Out; Direction Sense; Figure Series Completion; Venn Diagram; Number Series; Coding and Decoding.

Unit III: General Awareness & Science

20 Marks

General current events (National Level); Sports; Indian Culture; Indian History; Indian Geography; General Science; Health, Hygiene and Sanitation; History, Geography and Culture of Jammu and Kashmir (UT).

Unit IV: Computer Applications

20 Marks

Basic Applications of Computer and its Components; Fundamentals of Computer Science; Hardware and Software; Input and Output Devices; Knowledge of MS Office, PDF, Internet and E-mail; Role of IT in Governance.

Unit V: Geography Laboratory Basics

20 Marks

Basic knowledge of Geography laboratory; Identification and uses of common geographical instruments; Maps and their basic types; Directions, symbols and conventional signs; Globe and basic map reading; Basic knowledge of compass, measuring tape, thermometer, rain gauge and other simple field instruments; Basic introduction to GPS and GIS; Handling, cleaning and safe storage of laboratory and field equipment; Collection and proper keeping of basic field materials and records; Laboratory and field safety; General care and maintenance of geographical instruments and laboratory materials.
