Sher-e-Kashmir
University of Agricultural Sciences & Technology of Kashmir (SKUAST-K)
OFFICE OF THE CONTROLLER OF EXAMINATIONS
Main Campus, Shalimar, Srinagar – 190025
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Subject: Issuance of Syllabus for Written Examinations.

Notice

This is for the information of all the concerned candidates who have applied for the various posts against the University advertisement notice No. 07 of 2026 dated: 16.06.2026, that the syllabus for OMR based written examination is available on the University website https://www.skuastkashmir.ac.in.

Prof. (Dr.) K. N. Qaisar
Controller of Examinations

No. AU/CoE/R-5(AICRP)/2026/ 1445-1447
Dated: 01.09.2026

Copy for information/necessary action to the:

- Registrar, SKUAST-K, Shalimar.
- Officer In-Charge ARIS for uploading the syllabus on the University Website.
- Secretary to Vice-Chancellor for information of Hon'ble Vice-Chancellor.

Syllabus for the post of Farm Manager

English | 25-Marks

(i) Pronoun and Person-Types and Uses
(ii) Conjunction-Types and Uses
(iii) Models-Model Auxiliaries and their uses
(iv) Direct and Indirect Speech
(v) Clauses-Types and their Uses
(vi) Sentence Patterns (Sentence Variations and rewriting of sentences)
(vii) Past Perfect-Uses
(viii) To-infinitive and ING forms
(ix) Corrections and Cohesion.

MENTAL ABILITY TEST | 25-Marks

(i) Number series
(ii) Letter series
(iii) Coding decoding
(iv) Direction sense
(v) Blood relations
(vi) Mathematical reasoning
(vii) Speed, Distance and Time
(viii) Statements and conclusions.

Syllabus Domain Knowledge – Farm Manager | 50-Marks

Agronomy: Botanical classification, cropping system, essential nutrients, plant competition, deficiency and excess symptoms and control measures, water management, nutrient management, conservation tillage, irrigation scheduling, critical stages, irrigation methods, seed rate, seed testing methods, planting distance, diseases and insect management, harvesting, yield components.

Soil Science: Definitions, type of soil, classification, physical, chemical and biological properties, soil fertility management, acidic, alkaline, saline and sodic soils, soil reclamation practices. Role of biofertilizers in fertility management.

Genetics and plant breeding: Definitions, cell structure and its components, chromosome, law of heredity, mendelian genetics, qualitative and quantitative traits, pollination and fertilization, apomixis, parthenocarpy, polyembryony, breeding methods and achievements in agricultural crops.

Plant protection: Insect taxonomy, classification of insects, pest surveillance, diseases of cereals, legumes, oil seeds and horticultural crops, etiology of diseases, disease forecasting systems and integrated disease and pest management. Pesticides, Maximum Residue Levels.

Horticultural crops: Classification of horticultural crops, training and pruning, training systems, temperate, subtropical and tropical fruits, diseases of horticultural crops and their management, commercial vegetables, seed rate, planting and their management, flower and ornamental crops, value addition of flower crops, garden types, formal and informal gardens, use of plant growth regulators in horticulture production, postharvest physiology of horticultural crops.

Agriculture Mechanization: Machines used in farm operations, AI in Agriculture Mechanization, Water conservation, Precision Agriculture, Protected cultivation, Pesticide applications. Government scheme for Agriculture Mechanization.

Farm Economics, Marketing, inputs and Resource use efficiency: Farm Business Management, economic principles applied to farm management, Farm Planning, records and accounts, input and output marketing, resource use efficiency in agriculture.

Post Harvest management: Maturity and Ripening-Maturity indices of fruit and vegetables, changes during ripening, Post harvest handling and packaging of horticulture crops, controlled atmospheric storage of temperate fruits. Quality evaluation of fruits and vegetables.

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Syllabus for Written Test for **Sr. Technician / Field-Cum-Laboratory Assistant**

Examination Type and Time Allotted	Name of the Subject	Distribution of (Total points 100)
100-Questions MCQs 1 hour forty minutes (100 minutes)	General English	20
	General Awareness	10
	Mental Ability Test	10
	General Science	20
	Mathematics	20
	Computer Applications	20

1. GENERAL ENGLISH

(i) Paragraph writing / Comprehension

(ii) Editing / Proof Reading.

(iii) Rearranging of jumbled sentences

(iv) Dialogue

(v) Narration

(vi) Models

(vii) Articles

(viii) Paragraph writing with blanks to be filled in with the following

i. Phrases
ii. Pronouns
iii. Homonyms/Homophones etc.

(ix) Clauses

(x) Punctuation

(xi) Synonyms and antonyms

(xii) Pairs of words and their use in meaningful sentences.

(xiii) Idioms and phrases.

(xiv) Uses of Prepositions

2. ***GENERAL AWARENESS/ MENTAL ABILITY TEST***

(i) Current events of National Importance.

(ii) GDP, GNP, Per capita Income etc

(iii) Weather, Climate, Crops, Means of Transport.

(iv) History, Geography, Economy and Culture of J&K UT

(v) Flora and Fauna of J&K UT

(vi) Rivers and Lakes J&K UT.

(vii) J&K Reorganization Act, 2019

(viii) Popular names of personalities (Religion, Politics, Scientific Discoveries, Geographical, Sports, History)

(ix) National Awards- in science, literature, sports

(x) Democratic institutions, Forms of Government.

3. ***MENTAL ABILITY TEST***

(i) Number series

(ii) Letter series

(iii) Coding decoding

(iv) Direction sense

(v) Blood relations

(vi) Mathematical reasoning

(vii) Speed, Distance and Time

(viii) Statements and conclusions.

4. ***GENERAL SCIENCE***

(i) Gravitation / Heat / Light / Matter / Acids / Salts / Elements / Cells.

(ii) Various sources of energy; conventional sources of energy; improvement in technology for using conventional source of energy (Biomass and wind energy)

(iii) Non-conventional sources of energy (Solar energy, Energy from sea).

(iv) Physical properties of metals and non-metals.

(v) Chemical properties of metals like action of water, air, acids, salts;

(vi) Reactivity series of metals.

(vii) Occurrence of metals; their extraction, enrichment of ores. Extraction of metals in accordance with activity series; refining of metals.

(viii) Life processes: Nutrition and its types, Respiration, Transportation of water, food and minerals in plants, Excretion with reference to plants and animals.

(ix) Environmental pollution.

(x) Ecosystem – Its components, Food chains and Food webs.

(xi) Ozone layer, its depletion, Green House Effect.

(xii) Mendal's contribution and experiments on pea plant.

(xiii) Types of reproduction in Plants and Animals.

(xiv) Classification of Plants and Animals.

5. MATHEMATICS

(i) Sets and their representations, finite and infinite sets, empty sets, subsets, subset of real numbers, Venn diagram, Union and Intersection of sets
(ii) Statistics: Measures of central tendency, measure of dispersion, parametric tests.
(iii) Profit and loss
(iv) Simple / Compound interest.
(v) Linear equations with two variables.
(vi) Progression / BODMAS
(vii) Probability: Simple problems on Single event.

6. *COMPUTER APPLICATIONS*

(i) Fundamentals of computer sciences
(ii) Hardware & Software
(iii) Input and output devices
(iv) Operating system
(v) M.S Word, M.S Excel, M.S Access and Power point Presentation
(vi) E-mail & Internet

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Syllabus for Written Test for Technical Assistant

A. English | 20-Marks

(i) Pronoun and Person-Types and Uses

(ii) Conjunction-Types and Uses

(iii) Models-Model Auxiliaries and their uses

(iv) Direct and Indirect Speech

(v) Clauses-Types and their Uses

(vi) Sentence Patterns (Sentence Variations and rewriting of sentences)

(vii) Past Perfect-Uses

(viii) To-infinitive and ING forms

(ix) Corrections and Cohesion

B. Agriculture and Allied Sciences | 60-Marks

- **Crop Science (10)**: Classification of crops, major cereals, pulses, oilseeds, millets, cash crops, and their production techniques.
- **Soil and Water Conservation (10)**: Properties and components of soil, soil formation processes, types of soil erosion, and conservation techniques.
- **Plant Breeding and Biotechnology (10)**: Importance and utility of biotechnology in agriculture, principles of genetics, and plant breeding.
- **Crop Protection (10)**: Basic principles of pest management, major pests and diseases of crops, and integrated pest management strategies.

- **Agriculture Engineering (10)**

  I.C. engines, working principles, two stroke and four stroke cycle engines, Study of different components of I.C. engine, Tillage implements, sowing and harvesting equipment, Soil and Water Conservation measures, causes of soil erosion, Measurement of soil loss, Green house equipment, materials of construction for traditional and low -cost green houses. solar energy gadgets, types of biogas plants

- **Animal Husbandry and Veterinary Sciences (10)**

  Study of major breeds of cows, buffaloes, goat, sheep and poultry; elementary physiology; estimate of their age; characteristics of good milch cows and buffaloes, bulls and bullocks. Care and management of pregnant cow, during calving, newborn calves, young calves, mulch cows; poultry management. Classification of feedstuffs and proximate principles.

C. COMPUTER APPLICATIONS | 10-Marks

(i) Fundamentals of computer sciences

(ii) Hardware & Software

(iii) Input and output devices

(iv) Operating system

(v) M.S Word, M.S Excel, M.S Access and Power point Presentation

(vi) E-mail & Internet

D. GENERAL AWARENESS/ MENTAL ABILITY TEST | 05-Marks

(i) Current events of National Importance.

(ii) GDP, GNP, Per capita Income etc

(iii) Weather, Climate, Crops, Means of Transport.

(iv) History, Geography, Economy and Culture of J&K UT

(v) Flora and Fauna of J&K UT

(vi) Rivers and Lakes J&K UT.

(vii) J&K Reorganisation Act, 2019

(viii) Popular names of personalities (Religion, Politics, Scientific Discoveries, Geographical, Sports, History)

(ix) National Awards- in science, literature, sports

(x) Democratic institutions, Forms of Government.

E. MENTAL ABILITY TEST | 05-Marks

(i) Number series

(ii) Letter series

(iii) Coding decoding

(iv) Direction sense

(v) Blood relations

(vi) Mathematical reasoning

(vii) Speed, Distance and Time

(viii) Statements and conclusions.

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