



# डॉ० राजेन्द्र प्रसाद केन्द्रीय कृषि विश्वविद्यालय

DR. RAJENDRA PRASAD CENTRAL AGRICULTURAL UNIVERSITY

पूसा, समस्तीपुर, बिहार – ८४८१२५

PUSA, SAMASTIPUR, BIHAR -848125

## **PUBLIC NOTICE** (Date: July 24, 2025)

### **Important Instructions to the Candidates Applied for Various Technical Positions against Advt. No.- RPCAU/02/2024 Dated- 15/02/2024.**

#### **1. Status of the candidates**

- (a) The candidates who have applied for various Technical Positions - Field Assistant (T-1), Technical Assistant (T-3), Engineering Supervisor (T-3) & Nurse (T-3) against the Advt. No. - RPCAU/02/2024 Dated-15/02/2024, their application was scrutinized at the University level. The candidates can check their application status on the link- [https://office.rpcau.ac.in/check\\_result.aspx](https://office.rpcau.ac.in/check_result.aspx) using their login credentials which were generated at the time of submission of online application form.

#### **2. Important Note:**

- (a) The written examination for the eligible candidates shall be held tentatively during the third week of August, 2025 at Dr. Rajendra Prasad Central Agricultural University, Pusa, Samastipur, Bihar.
- (b) All recruitment-related correspondence should be made through the email: [recruitment@rpcau.ac.in](mailto:recruitment@rpcau.ac.in)

#### **3. Scheme & Syllabus of the examination:**

##### **(a) Scheme of the examination for the post of Field Assistant (T-1):**

Name of Examination	Mode & Type of Test	Medium of Examination	No. of Questions	Marks Allotted
Arithmetic/Language Test	MCQ, OMR based	Bilingual	100 (50 Arithmetic and 50 Language (Hindi))	100
General Knowledge	MCQ, OMR based	Bilingual	50	50
General Agriculture	MCQ, OMR based	Bilingual	100	100
Computer efficiency	Qualifying (Note: Only the qualified and shortlisted candidates after the written examination would be called for this test at later stage by the University)			

- The candidate must obtain at least 50% marks in qualifying test.
- No interview as per Government of India direction.
- Selection will be made on grand total marks on grand total marks in 300 (50 {Academic Score} +100 + 50 + 100).

**Note: There will be negative marking of  $\frac{1}{4}$  (0.25 marks) for each wrong answer.**

**Note: Syllabus will be of High School level.**

**(b) Syllabus**

**Arithmetic Test:** Whole Numbers, Decimals, Fractions and Relationships between Numbers, Number Series, Percentage, Ratio and Proportion, Square Roots, Averages, Simple and Compound Interest, Profit and Loss, Discount, Time and Distance, Time and Work, Number Systems, Fundamental Arithmetical Operations, Algebra, Geometry, Mensuration, Trigonometry and Statistical Charts etc.

**Language (Hindi) –** व्याकरण, अलंकार, क्रिया, अव्यय, संधि, समास, पर्यायवाची शब्द, संज्ञा, सर्वनाम, विशेषण, समानार्थक और विलोम शब्द, रिक्त स्थानों की पूर्ति, गद्यांश में रिक्त स्थानों की पूर्ति, अपठित गद्यांश, वाक्य में त्रुटि, शब्द त्रुटियाँ, वर्तनी त्रुटि, वाक्यांश के लिए एक शब्द, मुहावरे, लोकोक्तियाँ, शब्द भेद, लुप्त वाक्य आदि।

**General Knowledge/Awareness-** Current Affairs (India and World), Indian History, Indian Geography, Indian Constitution and Polity, Government Schemes and Policies, Economics and Social Development, Sports, Awards & Honors, Books & Authors, Important Days & Events, etc.

**General Agriculture:** Basic principles of crop production, including different types of crops and their cultivation techniques, Soil science, including soil types, soil fertility, and soil conservation, Agricultural economics, covering concepts like market prices, farm management, and rural development, Animal husbandry and dairy science, including different breeds of livestock and their management, Horticulture, focusing on the cultivation of fruits, vegetables, and ornamental plants, Pest and disease management, including identification and control measures for various plant and animal pests and diseases, Agricultural engineering, covering aspects like irrigation, drainage, and farm machinery, etc.

**(a) Scheme of the examination for the post of Technical Assistant (T-3) in various disciplines:**

Name of Examination	Mode & Type of Test	Medium of Examination	No. of Questions	Marks Allotted
Subject Matter	MCQ, OMR based	Bilingual	100	100
General Knowledge	MCQ, OMR based	Bilingual	50	50
Language (Hindi/English)	MCQ, OMR based	Bilingual (As chosen by the candidate in the application form)	100	100

Computer Proficiency Test	Qualifying (Note: Only the qualified and shortlisted candidates after the written examination would be called for this test at later stage by the University)
<p>➤ The candidate must obtain at least 50% marks in qualifying test.</p> <p>➤ No interview as per Government of India direction.</p> <p>➤ Selection will be made on grand total marks in 325 (75 {Academic Score} + 100 + 50 + 100).</p>	

- **There will be negative marking of  $\frac{1}{4}$  (0.25 marks) for each wrong answer.**

**Note: Syllabus will be of graduation level.**

### **(b) Syllabus**

**Subject Matter (Agriculture):-** Basic principles of crop production, including different types of crops and their cultivation techniques, Soil science, including soil types, soil fertility, and soil conservation, Agricultural economics, covering concepts like market prices, farm management, and rural development, Animal husbandry and dairy science, including different breeds of livestock and their management, Horticulture, focusing on the cultivation of fruits, vegetables, and ornamental plants, Pest and disease management, including identification and control measures for various plant and animal pests and diseases, Agricultural engineering, covering aspects like irrigation, drainage, and farm machinery, etc.

**Subject Matter (Computer Science/Computer Application):** - Programming, Data Structures, Algorithms, Operating Systems, Computer Networks and Database Management with additional topics like Software Engineering, Web Technologies, Computer Organization and Architecture, Digital Logic and Circuits and Theory of Computation etc.

**Subject Matter (Chemistry):** - Inorganic, Organic, Physical and Analytical Chemistry, Atomic Structure, Chemical Bonding, Thermodynamics, Kinetics, Electrochemistry, Spectroscopy, Organic Chemistry Basics (Alkenes, Alkenes, Etc.) and Analytical Techniques with other important areas like Solutions and Colligative Properties, Phase Equilibria, Surface Chemistry, Polymers, Environmental Chemistry and Biochemistry etc.

**Subject Matter (Microbiology):** - Core Microbiology Concepts (Microbial Diversity, Cell Biology, Genetics, Metabolism, Immunology and Various Microbiological Techniques), Practical Microbiology Techniques (Bacteriology, Sterilization and Disinfection, Microscopy, Biomedical Waste Management, Growth and Nutrition) with additional areas like Environmental Microbiology, Food Microbiology, Industrial Microbiology, Microbial Physiology, Virology, Molecular Biology, Biochemistry etc.

**Subject Matter (Fisheries):** - Fish Biology, Capture Fisheries, Aquaculture, Fish Health Management, Aquatic Environment Management with Important Areas like Fisheries Economics & Extension, Fish Genetics & Molecular Biology, Fishing Technology & Engineering etc.

**Subject Matter (Home Science):** - Foods & Nutrition, Human Development & Family Studies, Fabric & Apparel, Resource Management, Communication & Extension with Additional Areas like Basic Sciences, Physiology etc.

**Subject Matter (Horticulture):** - Horticulture Fundamentals, Plant Science, Plant Propagation, Cultivation Practices, Fruit & Vegetable Production, Post-Harvest Technology, Landscaping & Gardening, Plant Protection, Food Technology, Hi-Tech Horticulture, Specific Crop Knowledge, Basic Sciences etc.

**General Knowledge/Awareness:** - Current Affairs (India and World), Indian History, Indian Geography, Indian Constitution and Polity, Government Schemes and Policies, Economics and Social Development, Sports, Awards & Honors, Books & Authors, Important Days & Events, etc.

**Language (English)-** Grammar, Reading Comprehension, fill in the blanks, Spellings, Phrase or idiom meaning, One-word substitution, Phrase replacement/ Sentence correction, Error Spotting, Antonyms & Synonyms, etc.

**Hindi -** व्याकरण, अलंकार, क्रिया, अव्यय, संधि, समास, पर्यायवाची शब्द, संज्ञा, सर्वनाम, विशेषण, समानार्थक और विलोम शब्द, रिक्त स्थानों की पूर्ति, गद्यांश में रिक्त स्थानों की पूर्ति, अपठित गद्यांश, वाक्य में त्रुटि, शब्द त्रुटियां, वर्तनी त्रुटि, वाक्यांश के लिए एक शब्द, मुहावरे, लोकोक्तियाँ, शब्द भेद, लुप्त वाक्य आदि।

**(a) Scheme of the examination for the post of Engineering Supervisor (T-3)  
(Electrical & Mechanical):**

(Electrical & Mechanical):

Name of Examination	Mode & Type of Test	Medium of Examination	No. of Questions	Marks Allotted
Subject Matter	MCQ, OMR based	Bilingual	100	100
General Knowledge	MCQ, OMR based	Bilingual	50	50
Language (Hindi/English)	MCQ, OMR based	As chosen by the candidate in the application form	100	100
Computer Proficiency Test	Qualifying (Note: Only the qualified and shortlisted candidates after the written examination would be called for this test at later stage by the University)			
<div>➤ The candidate must obtain at least 50% marks in qualifying test.</div> <div>➤ No interview as per Government of India direction.</div> <div>➤ Selection will be made on grand total marks in 325 (75 {Academic Score} + 100 + 50 + 100).</div>				

- There will be negative marking of  $\frac{1}{4}$  (0.25 marks) for each wrong answer.

**Note:** Syllabus will be of graduation level.

**(a) Syllabus**

**General Knowledge/Awareness-** Current Affairs (India and World), Indian History, Indian Geography, Indian Constitution and Polity, Government Schemes and Policies, Economics and Social Development, Sports, Awards & Honors, Books & Authors, Important Days & Events, etc.

**Language (English)-** Grammar, Reading Comprehension, fill in the blanks, Spellings, Phrase or idiom meaning, One-word substitution, Phrase replacement/ Sentence correction, Error Spotting, Antonyms & Synonyms, etc.

**Hindi-** व्याकरण, अलंकार, क्रिया, अव्यय, संधि, समास, पर्यायवाची शब्द, संज्ञा, सर्वनाम, विशेषण, समानार्थक और विलोम शब्द, रिक्त स्थानों की पूर्ति, गद्यांश में रिक्त स्थानों की पूर्ति, अपठित गद्यांश, वाक्य में त्रुटि, शब्द त्रुटियाँ, वर्तनी त्रुटि, वाक्यांश के लिए एक शब्द, मुहावरे, लोकोक्तियाँ, शब्द भेद, लुप्त वाक्य आदि।

**Subject Matter:**

**Electrical Engineering:** Basic Concepts: Resistance, inductance, capacitance, current, voltage, power, energy, Circuit Law: Kirchhoff's laws, network theorems, AC Fundamentals: Alternating waves, series and parallel circuits, resonance, Magnetic Circuit: Flux, mmf, reluctance, electromagnetic induction, Electrical Machines: Transformers, generators, motors, Generation, Transmission, and Distribution: Power systems, substations, and distribution networks, Measurement and Measuring Instruments: Ammeters, voltmeters, watt-meters, multi-meters, Basic Electronics: Semiconductors, diodes, transistors, Estimation and Costing: Cost analysis of electrical installations, etc.

**Mechanical Engineering:** Theory of Machines: Kinematics, dynamics, gear systems, Thermodynamics: First and second law, cycles, heat transfer, Fluid Mechanics: Fluid properties, pressure, flow, Strength of Materials: Stress, strain, material properties, Internal Combustion Engines: IC engine cycles, combustion processes, Refrigeration and Air Conditioning: Refrigeration cycles, air conditioning systems, Heat Transfer: Conduction, convection, radiation, etc.

**(a) Scheme of the examination for the post Nurse (T-3):**

Name of Examination	Mode & Type of Test	Medium of Examination	No. of Questions	Marks Allotted
Aptitude Test + Nursing	MCQ, OMR based	Bilingual	50+50	100
General Knowledge	MCQ, OMR based	Bilingual	50	50
Practical Test	Offline	Bilingual	100	100
<p>➤ No interview as per Government of India direction.</p> <p>➤ Selection will be made on grand total marks on grand total marks in 300 (50 {Academic Score}+100 + 50 + 100).</p>				

- There will be negative marking of  $\frac{1}{4}$  (0.25 marks) for each wrong answer.

**Note:** Syllabus will be of Graduation level.

**(b) Syllabus**

**Aptitude Test** – Whole Numbers, Decimals, Fractions and Relationships between Numbers, Number Series, Percentage, Ratio and Proportion, Square Roots, Averages, Simple and Compound Interest, Profit and Loss, Discount, Time and Distance, Time and Work, etc.

**General Knowledge/Awareness-** Current Affairs (India and World), Indian History, Indian Geography, Indian Constitution and Polity, Government Schemes and Policies, Economics and Social Development, Sports, Awards & Honors, Books & Authors, Important Days & Events, etc.

**Nursing-** Human Anatomy & Physiology, Pharmacology, and Community Health Nursing. Additionally, candidates should study areas like Medical-Surgical Nursing, Fundamentals of Nursing, and Psychiatric Nursing etc.

#### **4. ADMIT CARD**

- Admit card would be generated for the shortlisted candidates only.
- The information regarding the date of examination and downloading of admit card would be informed in due course.
- The candidates will be able to download their Admit Card from the link provided on the University website ([www.rpcau.ac.in](http://www.rpcau.ac.in)).

**Recruitment Section  
RPCAU, Pusa**