Pre-PG SCHEME OF EXAMINATION

In the very nature of competitive examination no syllabus can be prescribed. It is an exercise to pick up the best. However, for guidance to the candidates the syllabus and standard of the Entrance Test will be that of B.Sc. (Agriculture) and B.Sc. (Home Science) examination of Agricultural Universities of Rajasthan.

<table>
<thead>
<tr>
<th>Units</th>
<th>Approximately No. of Questions in Unit</th>
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<tbody>
<tr>
<td>A. Faculty of Agriculture :</td>
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<tr>
<td>01. Agronomy</td>
<td>10</td>
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<tr>
<td>02. Soil Science</td>
<td>10</td>
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<tr>
<td>03. Plant Pathology + Nematology</td>
<td>10</td>
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<tr>
<td>04. Entomology</td>
<td>10</td>
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<tr>
<td>05. Plant Breeding &amp; Genetics</td>
<td>10</td>
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<tr>
<td>06. Horticulture</td>
<td>10</td>
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<tr>
<td>07. Animal Production</td>
<td>10</td>
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<tr>
<td>08. Ag. Economics &amp; Statistics</td>
<td>10</td>
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<tr>
<td>09. Extension Education</td>
<td>10</td>
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<tr>
<td>10. Biochemistry + Plant Physiology</td>
<td>10</td>
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<td>Total</td>
<td>100</td>
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<tr>
<td>B. Faculty of Home Science</td>
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<tr>
<td>01. Home Management</td>
<td>20</td>
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<tr>
<td>02. Child Development</td>
<td>20</td>
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<tr>
<td>03. Foods &amp; Nutrition</td>
<td>20</td>
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<tr>
<td>04. Home Science Extension Education</td>
<td>20</td>
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<tr>
<td>05. Clothing and Textiles</td>
<td>20</td>
</tr>
<tr>
<td>Total</td>
<td>100</td>
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- The Question paper will be in English only.
- The Question paper will consist of multiple choice objective type questions.
- The question paper of either faculty will be in the form of a test booklet containing 100 questions bearing number 1, 2, 3........ 100. There would be four suggested answers (1,2,3,4) for each question. The candidates are required to choose the correct answer and blacken the corresponding circle (Details for filling answer sheet is given on side I of sample answer sheet) in the answer sheet by black ball point pen.
- The test booklet may be used by the students for rough work and the squares printed in it may be used for deciding the correct answer from the various alternatives. It will be collected from them at the end of the examination along with the answer sheet. Assessment will be made only on the basis of the answer sheet. Candidates may carry question booklets with them at the end of examination.
- Four marks will be awarded for every correct answer and one mark will be deducted for every wrong answer. Thus there will be negative marking. Multiple marking will be considered wrong answer.
- Answer sheet along with answer key will be displayed on web site. Discrepancy if any may be communicated within stipulated time, thereafter no complaint will be entertained.
- Merit of Pre-P.G. examination will be notified on university website or conveyed through SMS. The candidates securing 33% marks or above (28% or above for SC/ST/OBC/SBC) would be eligible for submitting the Option Form. In case of home science if passed candidates will be less than the number of seats option forms will be call in 1:1.5 ratio on the basis of merit.
- Subject will be allotted to the candidates only on the basis of their merit and online option form except in spot counselling if any, keeping reservation under consideration.
SYLLABUS FOR PRE-PG TEST
A - Faculty of Agriculture

1. Agronomy:

2. Soil Science and Agricultural Chemistry:

3. Biochemistry/ Biotechnology:

4. Entomology:

5. Plant Pathology:

6. Nematology:
Introduction and brief history of plant parasitic nematodes, their morphological structure, biology, ecology and various physiological process. Symptomatology and nematode diseases with special reference to root-knot, reniform, citrus, ear cockle, tundu and molya and their management. Interaction of plant parasitic nematodes with other micro-organisms like fungi, bacteria and viruses, etc.

7. Plant Breeding and Genetics:

8. Horticulture:

9. Plant Physiology:

10. Animal Husbandry:

11. Agricultural Economics:

12. Extension Education:

13. Agricultural Statistics:
B - Faculty of Home Science

1. Family Resource Management:

2. Human Development and Family Studies:

3. Food & Nutrition:
   Functions, Sources, deficiency and excess intake of energy, carbohydrates, proteins, fat, fat soluble and water soluble vitamins and minerals (Classification and chemistry of amino acids and carbohydrates). Interrelationship of nutrients. Cooking methods- merits and demerits. Methods, principles and advantages of food preservation. Meal planning: importance, factors to be considered, planning meals for family, modification of diet for various age, sex and income groups and physical and physiological conditions of body. Modification of normal diet to therapeutic diet. Diet during disease like fever, liver disease, cardiovascular diseases and metabolic disorders like overweight, under weight and diabetes. Assessment of nutritional status, nutritional problems arising from food habits. Role of National and International agencies for overcoming nutritional problems in India.

4. Home Science Extension and Communication Management:
5. **Textile and Apparel Designing:**