

# Pt. Ravishankar Shukla University, Raipur ( C.G.)

## Ph.D. Entrance Examination

### Syllabus for Home Science

The entrance exam will be conducted by the study center and will be of 2 hours. Exam will be coordinated by the head of the home science of study center. The entrance exam shall be consisting of two parts carrying 100 marks in total. Part A Will be of objective type multiple choice questions of 60 marks ( 30 questions each of 2 marks) and part B will be of 8 short answer type questions of 40 marks (each of 5 marks, at the most of 50 words.). The result of the entrance exam will be announced on the same day and displayed on the notice board of the study center.

#### Syllabus:-

1. Meaning, Definition, Objective, Importance, Areas & Types Of Research, Stages in the development of research.
2. Hypothesis Meaning, Function, Formation and Importance.
3. Data Analysis, Primary and Secondary, Data collection Technique, Tabulation of Data.
4. Samplings- Meaning, Objectives and Types of samples.
5. Analysis, Interpretation and Presentation of data.
6. Writing a research Project.
7. Nutrients their sources and function, food groups, food exchange lists.
8. Nutritional requirement of various age groups.
9. Estimation of energy requirement of individuals and groups.
10. Current methodologies for assessment of nutritional status and their interpretation.
11. Improvement of nutritive value of various foods, enrichment, fortification.

*[Signature]*  
Dr. Manoj Kumar  
Dean & Professor

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17.  
Dr. Sandhya  
Verm  
Chairman.

11. Improvement of nutritive value of various foods, enrichment, fortification,
12. Food *Reservation*
13. Therapeutic adoption of normal diet.
14. Malnutrition.
15. Stages of development.
16. Factors affecting human development.
17. Methods of studying human development.
18. Exceptional children.
19. Development of personality.
20. Family in social context and socio cultural studies of family background.
21. Principles and process of counselling.
22. Etiology of mental disorders.
23. Importance and objectives of process of home management.
24. Factors affecting consumer, consumer protection, Govt. legislations.
25. Family Resources.
26. Ergonomics.
27. Principles and methods of energy *Conservation*
28. Element and principles of art and design.
29. Various colour schemes.
30. Principles of laundry science, water, soaps and detergent.
31. Fibre, its sources, classification and their manufacturing.
32. Textile finishes.
33. Colours and dyes, Dying and printing techniques.
34. Principles and types of design.
35. Construction of fabric.
36. Principles of stitching and garment construction.
37. *Preliminary* textile testing.
38. Fashion its concept, components of fashion.

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C Dr. Sandhya Vemp  
Chairman,