

SEMESTER – I**CPS 2 a Part I -PEDAGOGY OF HOME SCIENCE****Credits: 4****Internal: 40 marks****Hours/Week: Theory-4hrs&Practical- 4hrs****External: 60 marks****Total: 100 marks****Course Learning Outcomes:****At the end of the course, the student-teachers will be able to**

- explain the nature and scope of Home Science;
- formulate the aims and objectives of teaching Home Science;
- apply the teaching skills appropriately in the classroom;
- identify the diverse needs of learners in Home Science;
- explore the various methods of teaching and learning Home Science;
- organize the utility of various learning resources;
- integrate the teaching skills effectively in the classroom;
- observe the classes of subject experts and reflect on the demonstration of concepts in Mathematics with reference to General and Special schools; and
- prepare Mini teaching record related to major disciplines and disability specializations.

Unit I: Nature and Scope of Home Science

Nature, Need and Scope of Home Science Education in the world setting, family setting and educational setting-Home Science as a subject in the academic structure-Relationship with other subjects. Career options and Entrepreneurship in Home Science.

UnitII: Aims and Objectives of Home Science Education

Goals and Objectives of teaching Home Science with reference to Anderson's and Krathwohl of Classification - General and Specific Objectives of teaching Biological Science – Writing Objectives in behavioral terms- Aims of teaching Home Science at Higher Secondary Level.

Unit III: Development of Skills through Mini Teaching

Mini teaching: Meaning, Characteristics, Phases of Mini teaching, Mini teaching cycle, Teaching Skills : Skill of set induction, Skill of explaining, Skill of blackboard writing, Skill of illustrating with examples, Skill of probing questions, Skill of fluency in questioning, Skill of Stimulus Variation, Skill of reinforcement, Skill of achieving closure, Advantages and Limitations of Mini teaching.

Unit IV: Exploring Learner in Teaching and Learning Home Science

Introduction –Class as a heterogeneous group-the need to cater to the individual differences. Gifted learners – Need and identification of gifted children, characteristics of gifted children, enrichment programme for gifted children, National Talent Search Examination, steps to enhance the abilities of the gifted children in science. Slow learners- Need and problem faced by the slow learners, special care to cater to the slow learners, Diagnostic tests, Remedial teaching to help the slow learners.

Unit V: Methods of Teaching Home Science

Teacher and Student-centered Methods- Lecture Method- Lecture Demonstration Method- Heuristic Method- Project Method- Biographical Method- Inductive-deductive Method- Historical Method- Assignment Method- Significance of employing different Methods in teaching of Home Science- Augmented and Virtual Reality.

Unit VI: Teaching Aids

Introduction: Meaning & Advantages – Edgar Dales Cone of Learning Experience – Projective and Non Projective aids – current trends in educational technology – Different types of Boards, SMART Interactive Whiteboard, film, filmstrips, OHP, Motion pictures, Documentaries, graphs, internet usage E-Content Development and Digital tools for Online Teaching and Learning- LMS: Google Classroom, digital tool: Kahoot.

Suggested References:

- Bhatia, K.K. (1990). *Measurement and Evaluation in Education*. Ludhiana: Prakash Brothers.
- Jha, J.K. (2001). *Encyclopaedia of Teaching of Home Science. (Vol. I & II)*, New Delhi: Anmol Publications Private Limited.
- Kalra, R. M. (2009). *Teaching of Science*. New Delhi: Rakhi Prakashan Publishers.
- Lakshmi, K. (2006). *Technology of Teaching of Home Science*. New Delhi: Sonali Publishers.
- Nibedita, D. (2004). *Teaching of Home Science*. New Delhi: Dominant Publishers and Distributors, New Delhi
- Seshaih, P.R. (2004). *Methods of Teaching Home Science*. Chennai: Manohar Publishers & Distributors.
- Shah, A. Et al. (1990). *Fundamentals of Teaching Home Science*. New Delhi: Sterling Publishers Private Limited.
- Shalool, S. (2002). *Modern Methods of Teaching of Home Science*. New Delhi: Sarup & Sons.
- Sharma, S. (2009). *Modern Methods of Teaching Home Science*. New Delhi: Rakhi Prakashan Publishers & Distributors.
- Yadav, S. (1997). *Text book of Nutrition and Health*. New Delhi: Anmol Publishers.
- Yadav, S. (1997). *Teaching of Home Science*. New Delhi: Anmol Publishers.
- Yadav, V.K. (2009). *Biochemistry & Biotechnology: A Laboratory Manual*. New Delhi: Pointer Publishers.
