SEMESTER - III

CPS 2c – Part III - PEDAGOGY OF HOME SCIENCE

Credits: 2 **Internal: 20 marks**

Hours/Week: Theory-2hrs& Practical- 4hrs **External: 30 marks**

Total: 50 marks

Course Learning Outcomes:

At the end of the course, the student-teachers will be able to

- incorporate the various learning resources to support effective teaching;
- execute Action Research and disseminate the results;
- analyze the use of Cybernetics in Education;
- prepare reflective journals on observation of peer teaching;
- prepare reflective journals on co-teaching with mentors;
- observe classroom proceedings other than major disabilities and inclusive schools;
- design lesson plans in Home Science for both general and special schools;
- prepare teaching learning materials for general, special, inclusive and other than major disabilities;
- acquire skills in teaching competency for both general and special schools;
- prepare a reflective journal on School Internship for both general and special schools; and
- prepare power point presentations in Home Science for General, special, inclusive and other than special schools.

Unit I: Learning Resources

Introduction-Home Science- Laboratory-Structure and design-Organization and maintenance of the Home Science-Laboratory-Maintenance of various registers- Improvised Apparatus-Science Text book, Qualities of a good science text book- Science Library-Web Based learning- Multimedia, Use of the internet, e-learning, Tele and Video-Conferencing.

Unit II: Action research

Action Research- Meaning, need for classroom research- difference between action research and fundamental research- steps in action research- journaling the results of classroom research.

Unit III:ICT and Cybernetics in Education

ICT meaning- growth and origin of ICT - traditional and modern ICT application of ICT in – teaching. Cybernetics- meaning- definition- theory and mechanism- use in the development of instrumental design- application in Computer Science Education- advantages and disadvantages.

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 Distributers, 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.

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