

**BEHAVIOURAL SCIENCE – III****Course Code: BSU 343****Credit Units: 01****Total Hours: 10****Course Objective:**

To enable the students:

- Understand the process of problem solving and creative thinking.
- Facilitation and enhancement of skills required for decision-making.

**Course Contents:****Module I: Thinking as a tool for Problem Solving****(02 Hours)**

- What is thinking: The Mind/Brain/Behavior
- Critical Thinking and Learning:
  - Making Predictions and Reasoning
  - Memory and Critical Thinking
  - Emotions and Critical Thinking
- Thinking skills

**Module II: Hindrances to Problem Solving Process****(02 Hours)**

- Perception
- Expression
- Emotion
- Intellect
- Work environment

**Module III: Problem Solving****(02 Hours)**

- Recognizing and Defining a problem
- Analyzing the problem (potential causes)
- Developing possible alternatives
- Evaluating Solutions
- Resolution of problem
- Implementation
- Barriers to problem solving:
  - Perception
  - Expression
  - Emotion
  - Intellect
  - Work environment

**Module IV: Plan of Action****(02 Hour)**

- Construction of POA
- Monitoring
- Reviewing and analyzing the outcome

**Module V: Creative Thinking****(02 Hours)**

- Definition and meaning of creativity
- The nature of creative thinking
  - Convergent and Divergent thinking
  - Idea generation and evaluation (Brain Storming)
  - Image generation and evaluation
  - Debating
- The six-phase model of Creative Thinking: ICEDIP model

**Student learning outcomes**

- Student will be able to understand and solve the problems effectively in their personal and professional life.
- Students will outline multiple divergent solutions to a problem,
- Student will able to create and explore risky or controversial ideas, and synthesize ideas/expertise to generate innovations.

**Examination Scheme:**

<b>Evaluation Components</b>	<b>Attendance</b>	<b>Journal of Success (JOS)</b>	<b>Social Awareness Program (SAP) SAP Report/SAP Presentation</b>	<b>End Semester Exam</b>	<b>Total</b>
<b>Weightage (%)</b>	<b>5</b>	<b>10</b>	<b>15</b>	<b>70</b>	<b>100</b>

**Suggested Readings:**

- Michael Steven: How to be a better problem solver, Kogan Page, New Delhi, 1999
- Geoff Petty: How to be better at creativity; Kogan Page, New Delhi, 1999
- Richard Y. Chang and P. Keith, Kelly: Wheeler Publishing, New Delhi, 1998.
- Phil Lowe Koge Page: Creativity and Problem Solving, New Delhi, 1996
- J William Pfeiffer (ed.) Theories and Models in Applied Behavioural Science, Vol 3, Management (1996); Pfeiffer & Company
- Bensley, Alan D.: Critical Thinking in Psychology – A Unified Skills Approach, (1998), Brooks/Cole Publishing Company.