INTERNATIONAL CENTRE FOR APPLIED SCIENCES
(Manipal University)
IV SEMESTER B.S. DEGREE EXAMINATION - OCT. / NOV. 2017
SUBJECT: CREATIVE THINKING (HS 241)
(BRANCH: MECH.)
Saturday, 11 November 2017

Time: 3 Hours   **Max. Marks: 100**

✓ **Answer ANY FIVE full Questions.**

1A. Explain the concept of divergent thinking with an example and list the mechanisms of divergent thinking

1B. Discuss the various creative abilities.

1C. Explain the common blocks to creativity.   **(5+5+10)**

2A. Write the model of creative intelligence.

2B. Explain the brain storming technique of creative problem solving.

2C. Discuss the Synectic technique of creative problem solving with an example.
                                                                (4+6+10)

3A. Explain the following techniques of creative problem solving with examples.
   i) Attribute Listing
   ii) Morphological Analysis

3B. Explain the factors influencing the effectively functioning teams.   **(10+10)**

4A. Explain the following techniques of creative problem solving with example.
   i) Brainstorming
   ii) Checklist of questions

4B. Explain the following creative intelligence abilities with example.
   i) Problem restructuring
   ii) Fluency
   iii) Flexibility   **(10 + 10)**

5A. Explain the following environment congenial to creativity of an individual.

   (i) Childhood home environment
   (ii) School environment
  (iii) Adult learning environment

5B. Explain the determinants of creativity. **(10+10)**

6A. Discuss the different types of interactions possible between individuals'

6B. Explain the factors influencing the culture of an organisation more innovative.

6C. Explain the facets of environment that stimulate creativity in an individual.

(4+6+10)

7A. Explain the various organisational choices in the design of an innovative organization.

7B. Explain how a hostile environment can be harnessed for creativity.

(14 + 6)

8A. Discuss the elements of the model of a creative society.

8B. Explain the various skills necessary for sponsoring innovation. **(10+10)**

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