

Question Paper

Exam Date & Time: 30-Nov-2019 (02:00 PM - 05:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

INTERNATIONAL CENTRE FOR APPLIED SCIENCES END SEMESTER THEORY EXAMINATION - NOVEMBER / DECEMBER 2019 IV SEMESTER B.S (ENGG) Creative Thinking [HS 241]

Marks: 100

Duration: 180 mins.

Answer 5 out of 8 questions.

- 1) Explain the concept of divergent thinking with an example and list the mechanisms of divergent thinking. (5)
 - A)
 - B) Explain the meaning of convergent thinking with an example and list the mechanisms of convergent thinking. (10)
 - C) Explain the common blocks to creativity. (5)
- 2) Explain the strategies used for unblocking an individual. (10)
 - A)
 - B) Discuss the reasons for unsatisfactory encounters in a team. (10)
- 3) Explain the following techniques of creative problem solving with examples. (20)
 - i) Attribute Listing
 - ii) Morphological Analysis
 - iii) Brain storming
 - iv) Synectic technique
- 4) Explain the following environment congenial to creativity. (10)
 - A)
 - (i) Childhood home environment
 - (ii) Childhood School environment
 - (iii) Adult learning environment
 - B) Explain the following creative intelligence abilities with example. (10)
 - i) Problem restructuring
 - ii) Fluency
 - iii) Flexibility
- 5) Explain the factors influencing the culture of an organization to be more innovative. (8)
 - A)
 - B) Write a note of the following. (12)
 - i) Technological innovations
 - ii) Management innovations

iii) Social innovations

- 6) Discuss the following choices used by the innovative organization (10)
- A) (i) Growth strategy
(ii) Competitive strategy
(iii) Innovative scanning
 - B) Explain the facets of environment that stimulate creativity in an individual. (10)
- 7) Explain how a hostile environment can be harnessed for creativity. (10)
- A)
 - B) Explain the following creative problem solving techniques. (10)
 - i) Attribute listing
 - ii) Checklist of questions
- 8) Explain the various strategies used for changing motivation. (10)
- A)
 - B) Explain the various skills necessary for sponsoring innovation. (10)

-----End-----