

P P SAVANI UNIVERSITY

Third Semester of B. Tech./ B.Sc IT Examination

Nov-Dec 2021

SEPD2010: Critical Thinking, Creativity & Decision Making

30.11.2021, Tuesday Time: 09:00 a.m. to 11:30 a.m. Maximum Marks: 60

Instructions:

1. The question paper comprises of two sections.
2. Section I and II must be attempted in separate answer sheets.
3. Make suitable assumptions and draw neat figures wherever required.
4. Use of scientific calculator is allowed.

SECTION - I

Q - 1 Answer the Following.

[05]

- (i) _____ Reasoning makes broad generalization from specific observation.
- A. Inductive
 - B. Deductive
 - C. Both a and b
- (ii) Which word does not match with other?
- A. Parsley
 - B. Basil
 - C. Dill
 - D. Mayonnaise
- (iii) In Bloom's Taxonomy Understanding means _____.
- A. Use the knowledge gained in new ways
 - B. Making sense of the material you have learnt
 - C. Recalling relevant knowledge from relevant memory
 - D. Making judgments based on a set of a guidelines
- (iv) Which word does not belong with the others?
- A. Unimportant
 - B. Trivial
 - C. Insignificant
 - D. Familiar
- (v) In deductive thinking we start with _____ and move to _____.
- A. Generalities, broad sense
 - B. Generalities, Specific
 - C. Specific, generalities
 - D. Specific, narrow sense
- (vi) Which word does NOT belong with the others?
- A. Tyre
 - B. Steering wheel
 - C. Engine
 - D. Car
- (vii) _____ thinker are incapable of thinking in terms of second and subsequent steps.
- a) First Order
 - b) Second Order
 - c) Both a and b
 - d) Neither a nor b

- Q - 2 (a) Define the objectives of Critical Thinking. [05]
Q - 2 (b) Differentiate Inductive Thinking and Deductive Thinking with appropriate examples. [05]

OR

- Q - 2 (a) Explain Open Ended Questions and Outcome Based Questions. [05]
Q - 2 (b) Illustrate Questions for Clarification in detail. [05]
Q - 3 (a) Explain Hypothetical Questions and Reflective Questions. [05]
Q - 3 (b) What is Second-Order thinking and why is it needed? [05]

OR

- Q - 3 (a) Exemplify the Questions that probe assumptions and questions that probe reasons and evidence. [05]
Q - 3 (b) Write characteristics of Critical thinking. [05]
Q - 4 Attempt any One. [05]
(i) Explain Bloom's Taxonomy and each of its part in detail. [05]
(ii) Write a note on Socratic Questioning.

SECTION - II

- Q - 1 Answer the Following. [05]
(i) Whale: calf: Toad: ?
A. Foal
B. Tadpole
C. Fawn
D. peachick
(ii) Raju weighs less than Farhan.
Raju weighs more than Bunty.
Of the three friends, Bunty weighs the least.
If the first two statements are true, the third statement is
A. True
B. False
C. Uncertain
(iii) _____ thinker are incapable of thinking in terms of second and subsequent steps.
A. First order
B. Second order
C. Both
(iv) 4, 10, 28, ?, 244, 730
A. 24
B. 77
C. 82
D. 98
(v) Reasoning is using your 'gut feeling' about possible courses of action.
A. True
B. False
(vi) Which answer BEST describes creative thinking?
A. Exploring Ideas
B. Looking for new ways to solve a problem
C. Both
(vii) Moral judgments should be based on sound ethical theories.
A. True
B. False

- Q - 2 (a) Elaborate the Conceptual Thinking with suitable examples. How it will be helpful to you in future? [05]
- Q - 2 (b) 'People should be vegetarian'. Do you agree with the statement? Why? Write your arguments to support your point of view. [05]

OR

- Q - 2 (a) 'Fireworks in Diwali celebration should be banned permanently'. Do you agree or disagree with the statement? Write your arguments to support your point of view. [05]
- Q - 2 (b) What is Creative Thinking? How can you improve Creative Thinking? [05]
- Q - 3 (a) "If mankind doesn't take care of the environment, the environment may eliminate mankind." Elaborate the statement in 500 words. [05]
- Q - 3 (b) What is Moral Reasoning? Discuss the process of moral decision making. [05]

OR

- Q - 3 (a) "People without education are like weapons without bullets." Do you agree with the statement? Provide appropriate reasons to support your opinion. [05]
- Q - 3 (b) Discuss some steps of decision making process. [05]

Q - 4 Answer the following. [05]

- (i) Joe is a fourteen-year-old boy who wanted to go to summer camp very much. His father promised him he could go if he saved up the money for it himself. So Joe worked hard at his paper route and saved up the 40 dollars it cost to go to camp, and a little more besides. But just before camp was going to start, his father changed his mind. Some of his friends decided to go on a special fishing trip, and Joe's father was short of the money it would cost. So he told Joe to give him the money he had saved from the paper route. Joe didn't want to give up going to camp, so he thinks of refusing to give his father the money.

Is Joe thinking right? Why?
