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Code No. : 14128 (I)

VASAVI COLLEGE OF ENGINEERING (Autonomous), HYDERABAD**B.E. (CBCS) IV-Semester Main Examinations, January-2021****Critical Thinking**

(Open Elective-II)

Time: 2 hours

Max. Marks: 60

*Note: Answer any NINE questions from Part-A and any THREE from Part-B***Part-A (9 × 2 = 18 Marks)**

Q. No.	Stem of the question	M	L	CO	PO
1.	<p>A: When did this happen?</p> <p>B: Yesterday. I was playing football and I fell down.</p> <p>A: Can you move it at all?</p> <p>B: Only a little.</p> <p>A: Can you walk on it?</p> <p>B: No. It hurts too much.</p> <p>A: I think we'll have to take an X-ray</p> <p>B: Will I be able to play in the game tomorrow?</p> <p>A: I'm afraid not.1.</p> <p>a. Where are these people?</p> <p>b. Who are they?</p> <p>c. What are the people talking about?</p>	2	2	1	12
2.	You should check your perceptions directly with the person whose behavior you observed. Try to avoid indirect perception checking. Do you think this statement is True or False? Give one reason to support your answer.	2	2	1	12
3.	What was Lewis Carroll talking about in this poem? John gave his brother James a box: About it there were many locks. James woke and said it gave him pain; So he gave it back to John again. The box was not with the lid supplied, Yet caused two lids to open wide. And all these locks had never a key - What kind of box, then, could it be?	2	2	2	12
4.	Banita came out of the room crying. There was a letter from MIT, USA in her hand. Her mother said, "South Carolina State University was also a good choice. You should have taken it." What can you logically conclude from the information available? How did you come to this conclusion?	2	3	2	12
5.	Write three benefits of Critical Thinking?	2	1	3	12
6.	<p>Suzie: I can't believe I got a B- on this marketing paper. My friend Sarah turned in this same paper in a different marketing class last semester, and she got an A</p> <p>Ali: Don't you realize it's wrong to plagiarize someone else's work?</p> <p>Suzie: That's your opinion. What's wrong for one person isn't necessarily wrong for another, and I say there's nothing wrong with plagiarism as long as you don't get caught. Which critical thinking barrier does Suzie exhibit?</p>	2	2	3	12
7.	What are the common causes of cognitive biases? Emotions is one chief cause. List three others?	2	2	4	12

Contd... 2

8.	"Animal experimentation reduces our respect for life. If we don't respect life, we are likely to be more and more tolerant of violent acts like war and murder. Soon our society will become a battlefield in which everyone constantly fears for their lives. It will be the end of civilization. To prevent this terrible consequence, we should make animal experimentation illegal right now." In this argument the arguer claims that a sort of chain reaction, usually ending in some dire consequence, will take place, but there's really not enough evidence for that assumption. What is this Fallacy called? Give another example.	2	1& 2	4	12
9.	What is Force Field Analysis and what are the benefits of Using the Force Field Analysis to solve problems.	2	1	4	12
10.	Identify a problem you want to solve or a situation you want to change, use the force field analysis to solve the problem	2	2	4	12
11.	Samantha is an Engineering student and she has not been attentive in her classes lately. Next week she has to appear for her semester end exams. Give her advice as to how to study for the exam and make a study plan.	2	3	1	12
12.	If people could not see colors, how would traffic lights work? Design a traffic system that does not rely on colors.	2	2	2	12
Part-B (3 × 14 = 42 Marks)					
13. a)	If you were the leader of our country, what changes would you make to the current state of our nation, and how would you justify those changes?	7	5	1	12
b)	If someone had a very good reason for asking you to lie for them, would you do it? Why or why not?	7	4	1	12
14. a)	The year 2020, when the pandemic began, India went under a lockdown. It changed our lifestyle and daily routine. How did you adapt to this change. What were your major challenges and how did you overcome them?	7	4	2	12
b)	Due to the pandemic this year, educational institutions have started online sessions as physical classes were not possible keeping in mind the public health safety. Riya who is a student at an Engineering college finds it difficult to adapt to this change. Give at least three suggestions to her to help her adapt to this change.	7	4	2	12
15. a)	As a part of the college assignment you have been assigned a project. When you're in a team, you can easily find differences of opinions on what direction projects should take. How do you find consensus?	7	3	3	12
b)	In an ecommerce company XYZ, an order hasn't been delivered to a customer on time, and they're furious. They cancelled the order and closed their account immediately without discussing it with customer support. They have also filed a complaint in the consumer court against the bad behaviour of the company. If you were the customer how would you handle this situation?	7	6	3	12
16. a)	Explain your answer by referencing the text. Screech! Karen stomped on the gas pedal the moment the light turned green. She looked over her left shoulder and zigged past a semi-truck. She zoomed ahead and looked over her right shoulder and then zagged past a motorbike. She glanced at the clock on the console and darted into the parking lot. Whipping into a parking spot, she grabbed her suitcase and ran through the lot, up the escalator, and into the	7	6	3	12

<p>terminal. Her heavy suitcase was bumping and bouncing the whole way. Just as she entered the terminal, she heard an announcement over the loudspeaker, "Final boarding call for flight 205 to JFK..." Karen looked at her ticket and then at the line to get through the security checkpoint, which wrapped around several turnstiles and slithered like a lethargic snake. Karen sighed and then slowly walked to the customer service desk.</p>	
<p>1. Why is Karen in a hurry? 2. Why does she start walking slowly at the end of the passage?</p>	
<p>b) An increase in the median income of the middle class does not cause average levels of education for the middle class to go up. If they did, then countries with the highest median income of the middle class would also have the highest levels of education for this class. In fact, when the median income of the middle class is made suitably comparable for different countries (accounting for inflation, currency fluctuations and purchasing power parity), there is no such co-relation. What can be inferred from the statements above? Give your reasons.</p>	<p>7 3 4 12</p>
<p>17. a) A lady by the name of Latha has been working in an insurance company for the last 5 years, joins a fast moving consumer goods company. She is a very bright prospect and does outstandingly well in her training period of one year and her colleagues during that period also vouch for that fact. After one year of training, she is given charge of a small territory in which she does very well and is again praised by her colleagues and supervisors alike. She is then given charge of a much larger territory after a few months. Her supervisor after a time complains to the senior management that Lata has not been good at her job and is finding it difficult to handle her customers. Even the person in charge of overseeing Lata's training personally, reports that she is not performing well. Lata in turn complains that her job is going on perfectly well and if there are any complaints because she is being victimized in the male dominated atmosphere. The matter is then reported to the head office. What should the head office do? Think out the case study using the Six thinking hats.</p>	<p>7 4 4 12</p>
<p>b) "Argh!" Amber exclaimed as she pulled off her sweater and threw it into a multicolored pile of clothes. She walked into her closet and swept her hand recklessly through the rows of hanging garments, her face reflecting her dissatisfaction. She huffed and grabbed a silver dress. She held it up to the mirror against her body for a moment, sighed, and then stepped into the dress. She gazed into the mirror, and then scowled and threw her fists down in disappointment. She heard her mother's voice through the door, "Amber, Scott's here. Are you almost ready?" Amber groaned, "OK, just tell him I'll be down in two minutes!" She slid the silver dress back off and threw it onto the ever-growing multicolored pile of clothes. -What problem is Amber having? -How do you know this? - Will Amber be ready to meet Scott in two minutes?</p>	<p>7 6 5 12</p>
<p>18. a) What is Critical Thinking? Who are critical thinker?</p>	<p>7 3 5 12</p>
<p>b) Have you ever had an Amygdala Hijacking? Mention a few situations?</p>	<p>7 1 1 12</p>

19.	Answer any <i>two</i> of the following:	
a)	<p>The Marshmallow Kids Grow Up</p> <p>There were two groups of children who were part of an experiment at Stanford University known as the, "Marshmallow test." Four-year-olds in the Stanford preschool were brought into a room one by one, a marshmallow was put on the table in front of them, and they were told, "You can have this marshmallow now if you want, but if you don't eat it until after I run an errand, you can have two when I return." Fourteen years later, as they were graduating from high school, the children who ate the marshmallow right away were compared with those who waited and got two. Those who grabbed, compared to those who waited, were more likely to fall apart under stress, tended to become irritated and pick fights more often, and were less able to resist temptation in pursuit of their goals. Those children who had waited for the marshmallow, compared to those who hadn't, had scores averaging a remarkable 210 points higher (out of a possible 1600) on the SAT, the college entrance exam. As the children in the Stanford study grew into adulthood and joined the workforce the differences became even more pronounced. In their late twenties, those who had resisted the marshmallow in childhood were still more intellectually skilled, more attentive, and better able to concentrate. They were better able to develop genuine and close relationships, were more dependable and responsible, and showed better self-control in the face of frustration. By contrast, those who grabbed the marshmallow at four were now, in their late twenties, less cognitively adept and strikingly less emotionally competent than those who had restrained themselves. They were more often loners; they were less dependable, more easily distracted, and unable to delay gratification in pursuing their goals. When stressed, they had little tolerance or self-control. They responded to pressure with little flexibility, instead repeating the same futile and overblown responses time and again.</p> <p>List two differences that Goleman found between the children who ate the marshmallow and those who waited?</p>	7 2 3 12
b)	What biases are you influenced by? Name them and mention how your thinking is influenced by them?	7 2 4 12
c)	What is SWOT analysis? Give a situation where you have used SWOT analysis to take a decision.	7 3 5 12

M: Marks; L: Bloom's Taxonomy Level; CO: Course Outcome; PO: Programme Outcome

S. No.	Criteria for questions	Percentage
1	Fundamental knowledge (Level-1 & 2)	35%
2	Knowledge on application and analysis (Level-3 & 4)	35%
3	*Critical thinking and ability to design (Level-5 & 6) (*wherever applicable)	30%
