

Hall Ticket Number:

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Code No. : 14146 AS (G)

VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS), HYDERABAD

Accredited by NAAC with A++ Grade

B.E. IV-Semester Advanced Supplementary Examinations, September-2022.

Critical Thinking (OE-II)

Time: 3 hours

Max. Marks: 60

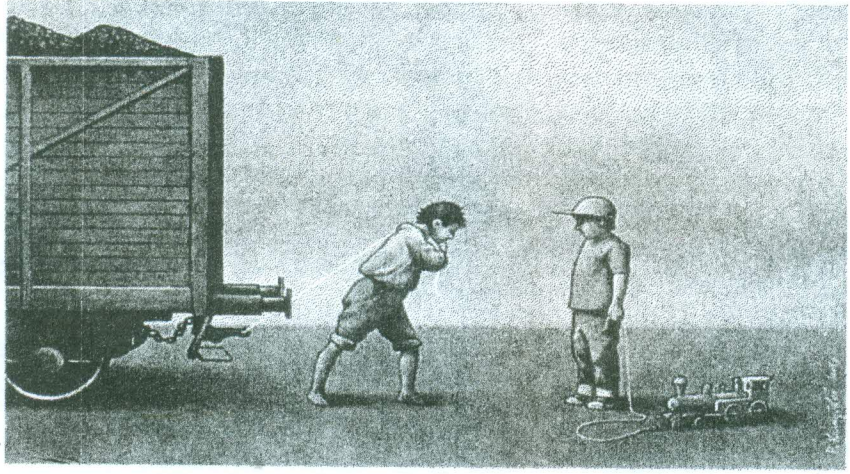
Note: Answer all questions from Part-A and any FIVE from Part-B

Part-A (10 × 2 = 20 Marks)

Q. No.	Stem of the question	M	L	CO	PO
1.	<p>Answer the question based on the information given in the passage.</p> <p>An increase in the level of serotonin levels in the human body is known to significantly enhance the mood of the person and in some cases, help people overcome depression. Serotonin taken orally does not pass into the pathways of the central nervous system, because it does not cross the blood-brain barrier. However, tryptophan and its metabolite 5-hydroxytryptophan (5- HTP), from which serotonin is synthesized, does cross the blood-brain barrier. These agents are available as dietary supplements, and may be effective serotonergic agents.</p> <p>Which of the following can be correctly inferred from the statements above?</p> <p>Individuals who do not consume enough tryptophan can develop depressive tendencies</p> <p>Individuals who consume tryptophan can metabolize enough serotonin and do not run the risk of depression</p> <p>Consumption of serotonin laced foods can help cure depression in some cases</p> <p>Tryptophan is an effective agent that can help cure depression in some cases</p>	2	2	1	10,12
2.	<p>Rohan: Let's call off our wedding. We don't love each other and hence there is no point in getting married. Do you agree with me?</p> <p>Rupa: I know we don't love each other. But, if we don't get married it will crush my mother. You know she has a weak heart. Do you really want to do that to her?</p> <p>Is Rupa's argument logical? Which Fallacy is being used here?</p>	2	3	1	10,12
3.	<p>While on safari in the wild jungles of Africa, Professor White woke one morning and felt something in the back pocket of her shorts. It had a head and a tail but no legs. When White got up she could feel it move inside her pocket. White however showed little concern and went about her morning rituals. Why such a casual attitude toward the thing in her pocket?</p>	2	3	2	10,12

Contd... 2

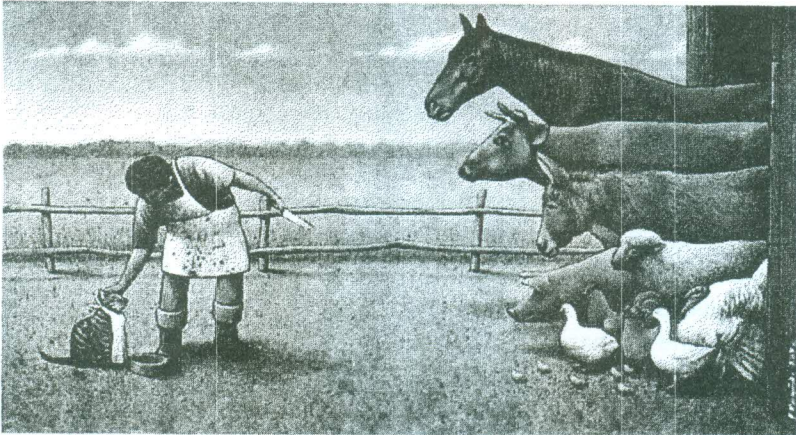
4.	Name all the uses for a Handkerchief?	2	5	2	10,12
5.	A man enters an expensive restaurant and orders a meal. When the waiter brings him his meal the man takes out a slip of paper and writes down 102004180, then leaves. The cashier hands the slip of paper to the cashier who understands it immediately. What did the slip of paper say?	2	4	3	10 12
6.	Solve this Riddle. Two sisters we are, one is dark and one is fair, In twin towers dwelling we're quite the pair, One from land and one from sea, Tell us truly, who are we?  Select three or more clues to solve the riddle.  Non living Living Bird  One is Black and the other white Talks about twin babies Dwells in houses  Used in food one is sourced from land and one from sea Plays and cries Is not available in every house	2	3	3	10,12
7.	“It is our goal and mission to serve <b>mankind.</b> ” “Approve all <b>man hours</b> under his/her area of responsibility. “What are these sentences an example of? Read the highlighted words. What should be the correct word to avoid bias?	2	3	4	10,12
8.	How does Emotional Intelligence help in Critical Thinking?  For example, try shifting from:  Thought: I don't like Skill Development classes. I will probably get terrible grades/not do well in this course. I am worried about my placements. Feeling: Anger (10/10), Frustration (10/10), Fear (9/10) Behavior: Skipping classes. Not doing assignment and assessments	2	5	4	10,12

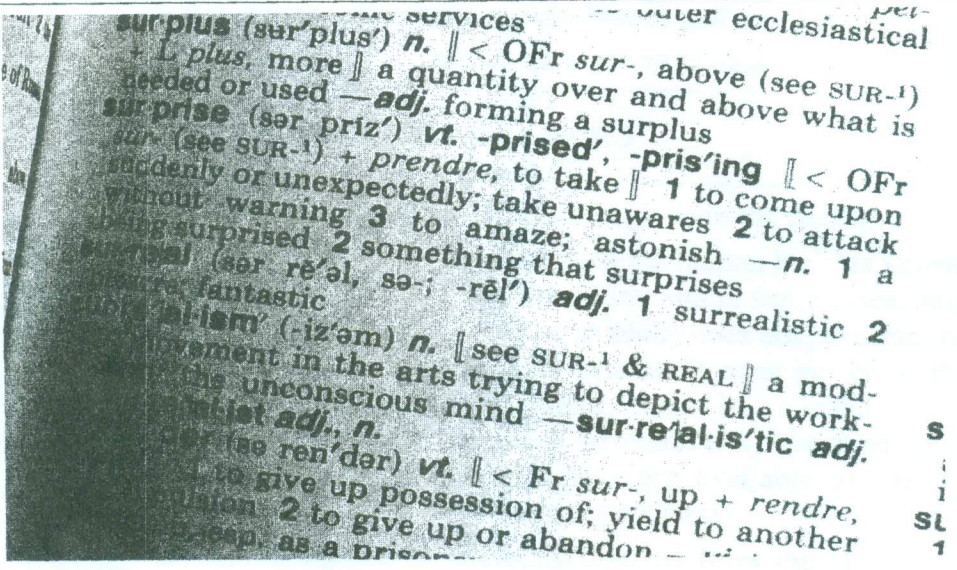
	<p>TO</p> <p>Thought: Thought: I don't like Skill Development classes. I will probably get terrible grades/not do well in this course. I am worried about my placements.</p> <p>Feeling: Anger (7/10), Frustration (8/10), Fear (5/10)</p> <p>Behavior:</p> <p>Fill in the behaviour expected from an emotionally intelligent student.</p>				
<p>9.</p>	<p>When should you use the SCAMPER tool?</p> <ul style="list-style-type: none"> <li>A. When you need to run away from bees.</li> <li>B. When you want to SCAM and PAMPER someone at the same time.</li> <li>C. When you are struggling to be creative, but need a quick strategy to come out with a few exciting ideas for SNEAKERS bar.</li> <li>D. When you need to research and validate an information.</li> </ul> <p>Which of the following is the correct application of SCAMPER</p> <ul style="list-style-type: none"> <li>A. Reverse : change the colour from black to red</li> <li>B. Substitute : change the material from metal to wood</li> <li>C. Combine : make the size bigger than normal</li> <li>D. Modify : turn paper clip upside down</li> </ul>	<p>2</p>	<p>3</p>	<p>3</p>	<p>10,12</p>
<p>10.</p>	 <p>You Never See The World The Same Way. Write in two lines your perspective of what you see?</p>	<p>2</p>	<p>4</p>	<p>5</p>	<p>10,12</p>

<p>b)</p>	<p>Imagine you are teaching a child to ride a bicycle. You make sure his helmet, elbow and knee pads are on correctly. You help him onto the bike and give him a gentle push and he peddles away for the first time.</p> <p>15 seconds later, the bike starts to wobble and the child falls off the bike. You catch up to him and he is looking up to you, waiting for you to give him some feedback.</p> <p>Would you say?</p> <p>“I can’t believe you fell off. You’ll never learn to ride a bike!”</p> <p>Of course you wouldn’t.</p> <p>You’d probably focus on what worked and give a suggestion for improvement. Maybe, you’d say something like, “Way to go. You rode the bike for 15 seconds. Try again and this time focus on holding the handle bars straighter.”</p> <p>Now, why is this second approach much more useful to a child? Because it encourages him to do what’s working and to improve what is not.</p> <p>And here’s the thing. The same principle holds for yourself and for those you work with. If you want more creative output, give feedback in a way that supports and nurtures what is working and encourages to change what isn’t. Give one tough situation in your life and how you will use the PPCO technique yourself and get feedback in a way that supports creative thinking.</p>	<p>4</p>	<p>4</p>	<p>2</p>	<p>10,12</p>
<p>13. a)</p>	<p>When is the last time you’ve heard a young child say: “Okay, I understand”. Never! They keep on asking questions. Why is it that children, especially between the four to five year old mark, are the best question askers in the world? That is exactly what led to the invention of the Polaroid camera back in the 1940’s when Edwin Land’s four-year-old daughter asked an amazing, yet very simple question: “Why do we need to wait for the picture?”. I’m not quite sure why age four to five is our questioning peak period for human beings.</p> <p>Answer the following questions.</p> <p>Why do we outgrow that?</p> <p>Do our education process and culture place certain boundaries around us?</p> <p>Why don’t we use inquiry to our advantage as we grow older?</p> <p>Write your answers to the questions asked in brief.</p>	<p>2</p>	<p>2</p>	<p>3</p>	<p>10,12</p>

<p>b)</p>	<p><b>Drawing Conclusions</b>                  Read each passage and select the best answer.                  He had always wanted to serve his country, but this seemed like madness. He was supposed to fight a war in a foreign land, helping to protect people whom he didn't even know. Michael had a strong sense of patriotism, but he was worried about the bombs, death, and carnage that could await him in Iraq. He pondered whether he would ever see his family again.</p> <p>1. Summarize what this passage is about...</p> <hr/> <p>2. What conclusions can you draw about how Michael is feeling about going to war?</p> <p>a) he regrets joining the military                  b) he is afraid of going into battle                  c) he is looking forward to the challenge of being in the military                  d) he feels proud of his country</p> <p>The detective had planned to pull all of the suspects into a room. He had already questioned each of them thoroughly and it was something Mr. Mooney had said that really made him think. Mooney had mentioned how horrible it was that Ms. Hitchens had been killed with a knife while the information on the murder weapon was never public. When the detective questioned him on how he knew about the murder weapon he said he had just assumed that was the case. Now with all the possible suspects in the room, detective Williams was ready to make an arrest.</p> <p>3. Who most likely killed Ms. Hitchens?</p> <hr/> <p>What conclusions can you draw about Mr. Mooney's feelings?</p> <p>a) he thinks he had gotten away with the crime                  b) he is ready to run and try and get away                  c) he thinks that detective Williams will probably accuse him                  d) he thinks Ms. Hitchens could have committed suicide</p>	<p>6</p>	<p>3</p>	<p>3</p>	<p>10,12</p>				
<p>14. a)</p>	<p>Given Below are examples of Active Listening Responses match the following:</p> <table border="1"> <tr> <td> <p>1. Building trust and establishing rapport:</p> </td> <td> <p>a) "So, you're saying that the uncertainty about who will be your new supervisor is creating stress for you." "So, you think that we need to build up our social media marketing efforts."</p> </td> </tr> <tr> <td> <p>2. Demonstrating concern:</p> </td> <td> <p>b) "I understand that you'd like more frequent feedback about your performance." "Thank you. I appreciate your time in speaking to me."</p> </td> </tr> </table>	<p>1. Building trust and establishing rapport:</p>	<p>a) "So, you're saying that the uncertainty about who will be your new supervisor is creating stress for you." "So, you think that we need to build up our social media marketing efforts."</p>	<p>2. Demonstrating concern:</p>	<p>b) "I understand that you'd like more frequent feedback about your performance." "Thank you. I appreciate your time in speaking to me."</p>	<p>4</p>	<p>3</p>	<p>4</p>	<p>10,12</p>
<p>1. Building trust and establishing rapport:</p>	<p>a) "So, you're saying that the uncertainty about who will be your new supervisor is creating stress for you." "So, you think that we need to build up our social media marketing efforts."</p>								
<p>2. Demonstrating concern:</p>	<p>b) "I understand that you'd like more frequent feedback about your performance." "Thank you. I appreciate your time in speaking to me."</p>								

3. Paraphrasing:	c) "I can see that John's criticism was very upsetting to you. Which aspect of his critique was most disturbing?" "It's clear that the current situation is intolerable for you. What changes would you like to see?"				
4. Brief verbal affirmation:	d) "How long do you expect your hiring process to last?" "What is your average rate of staff turnover?"				
5. Asking specific questions:	e) "I'm eager to help; I know you're going through some tough challenges." "I know how hard a corporate restructuring can be. How is staff morale at this point?"				
6. Waiting to disclose your opinion:	f) Building trust and establishing rapport: "Tell me what I can do to help." "I was really impressed to read on your website how you donate 5% of each sale to charity."				
7. Asking open-ended questions:	g) "Tell me more about your proposal to reorganize the department." "Can you please provide some history for me regarding your relationship with your former business partner?"				
8. Disclosing similar situations:	h) "I was also conflicted about returning to work after the birth of my son." "I had the responsibility of terminating some of my personnel, due to downsizing, over the last two years. Even if it's necessary, it never gets easier."				
<p>b) Unconscious biases can have a big influence on our limiting beliefs and behaviors. When this translates to our professional lives, it can affect the way we hire, interact with colleagues, and make business decisions.</p> <p>If not properly addressed, these biases can negatively impact a company's workplace culture and team dynamics.</p> <p>Example 1, a product developer comes up with a product idea for the athletic market. Although market research shows little interest in the product, they try to validate the idea by reaching out to athlete friends who they know will support the idea.</p> <p>Example 2, a team is deciding between two proposals. One person thinks proposal A is better, but the rest of the team is leaning towards proposal B. That person is swayed by their opinions and ends up voting for proposal B because everyone else did.</p> <p>Example, 3 the first thing a recruiter finds out about a candidate they're interviewing is that they were unemployed for the past year. The recruiter focuses on this fact rather than the candidate's solid qualifications and skills.</p>	4	3	4	10,12	

	Example 4, if a team member unquestionably follows their manager's instructions to write a report in a way that matches the manager's opinions, this could jeopardize the integrity of the report.														
15. a)	<p>We do not see the world from the same perspective. What do you see in this picture? Write your opinion in not more than 50 to 75 words.</p> 	4	4	5	10,12										
b)	We all look at the world from one perspective -- our own. What are the limitations to solving problems using only one view point?	4	2	5	10,12										
16. a)	<p>Give an example for each of these fallacies?</p> <table border="1"> <thead> <tr> <th>Fallacy</th> <th>Example</th> </tr> </thead> <tbody> <tr> <td>Ad hominem</td> <td></td> </tr> <tr> <td>Bandwagon</td> <td></td> </tr> <tr> <td>Post hoc</td> <td></td> </tr> <tr> <td>Slippery Slope</td> <td></td> </tr> </tbody> </table>	Fallacy	Example	Ad hominem		Bandwagon		Post hoc		Slippery Slope		4	2	1	10,12
Fallacy	Example														
Ad hominem															
Bandwagon															
Post hoc															
Slippery Slope															
b)	<p>Imagine your dream destination landscape, fictional or real.</p> <p>On a sheet of paper, draw the landscape you imagine from memory alone.</p> <p>Try to fill your landscape with as much detail as possible.</p>	4	6	2	10,12										
17.	Answer any <i>two</i> of the following:														
a)	<p>A best friend with whom you have shared all of your secrets for years has recently changed when around you. The former casual conversations about school and home have not been the same; and on occasion you've had to talk up and/or repeat what you previously said a couple of times just to grab his/her attention.</p> <p>Describe the behavior you observed</p> <p>Provide at least two possible interpretations of the behavior</p> <p>Ask for clarification</p> <p>Write out your draft of a perception check here.</p>	4	3	3	10,12										

b)	Biases result from our brain's efforts to simplify the incredibly complex world in which we live. Confirmation bias, hindsight bias, self-serving bias, anchoring bias, availability bias, the framing effect, and inattentional blindness are some of the most common examples of cognitive bias. What are some of th biases that you have? Write giving relevant examples?	4	5	4	10,12
c)	 <p>surplus (sar'plus') <i>n.</i> [ &lt; OFr <i>sur-</i>, above (see SUR-1) + <i>L plus</i>, more ] a quantity over and above what is needed or used — <i>adj.</i> forming a surplus</p> <p>surprise (sar 'priz') <i>vt.</i> -<i>prised'</i>, -<i>pris'ing</i> [ &lt; OFr <i>sur-</i> (see SUR-1) + <i>prendre</i>, to take ] 1 to come upon suddenly or unexpectedly; take unawares 2 to attack without warning 3 to amaze; astonish — <i>n.</i> 1 a being surprised 2 something that surprises</p> <p>surreal (sar re'al, sə; -rēl') <i>adj.</i> 1 surrealistic 2 fantastic</p> <p>surrealism (-iz'əm) <i>n.</i> [ see SUR-1 &amp; REAL ] a movement in the arts trying to depict the workings of the unconscious mind — <i>sur-re'al-is'tic adj.</i></p> <p>surrender (so ren'dər) <i>vt.</i> [ &lt; Fr <i>sur-</i>, up + <i>rendre</i>, to give up possession of; yield to another ] 1 to give up possession of; yield to another 2 to give up or abandon — <i>n.</i> a resp. as a prisoner</p> <p>You have randomly chosen this word " Surprise "from the dictionary. Use the word you chose, the word above it, and the word below it to create a short story from the beginning, middle to end.</p>	4	6	5	10,12

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

i)	Blooms Taxonomy Level – 1 & 2	25%
ii)	Blooms Taxonomy Level – 3 & 4	75%

\*\*\*\*\*