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# P P SAVANI UNIVERSITY

## Third Semester of B. Tech. Examination December 2018

### SEPD2010 Critical Thinking, Creativity and Decision Making

17.12.2018, Monday

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	Match the following:		[05]
(i)	( )	opinion or feedback	
(ii) (iii)		ility to examine known relationships knowledge gained in new ways	
(iv)		gine that drives moral reasoning.	
(v)		sions are drawn from the data	
(1)		ng in terms of interactions, time, and system	
Q - 2	Attempt any Two.		[10]
0-2 (a)	Define the term <i>Critical Thinking</i> and discuss the importance of it with suitable examples.		
Q - 2 (b)	Write a note on Bloom's Taxonomy with suitable example.		
Q - 2 (C)	Discuss any two types of Socratic Questioning with appropriate examples.		
Q - 3 (a)	'21st Century Engineer should be critical thinker.' Justify the statement in your own words.		
Q - 3 (b)	'People should be vegetarian'. Do you a arguments to support your point of view	gree with the statement? Why? Write your	[04]
		OR	
Q-3(a)	Discuss the role of Engineers in making	India superpower by 2030.	[04]
Q3 (b)	We need smart villages rather than smart cities'. Do you agree with the statement? [04 Why? Write your arguments to support your point of view.		
Q - 4	Attempt any One.		[07]
(i)	"Positive attitude leads to creativity"- Discuss the said statement with appropriate		
(II)	justification.		,
(ii)	"Believe what you like, but don't believe everything you read without questioning it."-		

Discuss the said statement with appropriate justification.

	Section - II	[05]		
Q-1	Answer the following: (Any Five)  What number should come next?			
(i)	Look at this series: 58, 52, 46, 40, 34, What humber			
(-)	A) 26 B) 28 C) 30 D) 32  A) 26 B) 28 C) 30 D) 32  What number should come next?			
(ii)	A) 26 B) 28 C) 30 D) 32 Look at this series: 544, 509, 474, 439, What number should come next?			
	A) 404 B) 414 C) 420 D) 445  Look at this series: QPO NML KJI EDC What letter should be in blank?			
(iii)	Look at this series: QPO NML RJI EDC What reserve			
	A) HGF B) CAB C) JKL D) GHI Which word does NOT belong with others?			
(iv)	A) Book B) Index C) Glossary D) Chapter			
	Which word does NOT belong with others?			
(v)	A) Heading B) Body C) Letter D) Closing			
(vi)	Find the word that names a necessary part of the word: WEDDING			
(vi)	A) love B) church C) ring D) marriage			
(vii)	Careful is to cautious as boastful is to			
( )	A) arrogant B) humble C) joyful D) suspicious			
		[10]		
Q - 2	Attempt any Two.	[10]		
- 2 (a)				
- 2 (b)				
- 2 (c)	Discuss the strategies to develop creativity.			
- 3 (a)	Ethical Decline has been evident in each field of Engineering. Discuss the statement	[04]		
	with reference, examples of your branch. What will be your attitude for it in future?			
- 3 (b)	I live four miles from work. My car gets 30 KM per liter. I want to use less fuel in my	[04]		
	commute for financial and conservation reasons. Money is no object. What options			
	do I have to reduce my fuel consumption? Provide minimum four options with			
explanation.  OR				
3 (a)	Production of the state of the	[04]		
( )	competitive world. Provide the list of skills required to be employable with	[04]		
	justification.			
3 (b)	In Mahabharata, during a war with Arjuna, Karna's chariot wheel stuck in the mud.	[04]		
	With Karna trying to retrieve his chariot wheel, armed with no weapons, Krishna	,		
	commanded Arjuna to kill him now, because there may not be another opportunity.			
	He dismissed all pleas for mercy by Karna, saying he lost all his opportunity to ask			
	for mercy earlier, and that there was no need to discuss about virtues at this stage,			
	since he too was unjust when it make to virtuousness. Arjuna killed Karna. Was it			
	right moral decision to kill Karna in the said situation? What are your opinions with reference to Moral Reasoning?			
	-yer ence to moral neusoning?			

Q

