Reg No.:		: Name:	_	
		APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY EIGHTH SEMESTED B TECH DECREE EXAMINATION MAX 2010		
		EIGHTH SEMESTER B.TECH DEGREE EXAMINATION, MAY 2019		
		Course Code: FS482 Course Name: RESPONSIBLE ENGINEERING		
Ma	Max. Marks: 100 Duration: 3			
		PART A		
		Answer all questions, each carries 2 marks.	Marks	
1		Describe the types of courage.	(2)	
2		Define engineering ethics.	(2)	
3		What are the two elements of informed consent?	(2)	
4		Define risk.	(2)	
5		List down any four elements of Intellectual Property Rights.	(2)	
6		List the types of employee rights with example.	(2)	
7		What does code of conduct mean in an organisation?	(2)	
8		What are the qualities required for an engineer as an expert adviser?	(2)	
		PART B Answer all questions, each carries 3 marks.		
9		<b>-</b> <i>i</i>	( <b>2</b> )	
		Explain the relation between moral, ethics and law.	(3)	
10		List down the professional roles to be played by an engineer.	(3)	
11		Define the benefits of standards.	(3)	
12		State the drawbacks of Lowrence's initial definition of safety. How was it modified?	(3)	
13		Explain occupational crimes with examples.	(3)	
13		Write short note on professional rights with examples.	(3)	
15		Discuss the role of engineers in defence industry.	(3)	
16		Brief on corporate social responsibility with example.	(3)	
10		PART C	(3)	
		Answer six full questions, each carries 10 marks.		
17	a)	Explain service learning and its characteristic features.	(5)	
	b)	Explain role of time management in professionalism.	(5)	
		OR		
18	a)	Explain civic virtue and its importance.	(5)	
	b)	Explain the term integrity and its need for an engineering professional.	(5)	

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19	a)	Explain the types of moral inquiry.	(6)
	b)	Explain the terms ethical pluralism and ethical relativism.	(4)
		OR	
20		Explain the various ethical theories.	(10)
21	a)	Explain the responsibilities of engineer as an experimenter.	(8)
	b)	List any four societies with codes of ethics.	(2)
	- /	OR	
22		Explain the functions and limitations of codes of ethics.	(10)
23		Discuss the case study of "The Bhopal Gas Tragedy." List the causes which	(10)
		resulted into the accident and its impact.	
		OR	
24	a)	Explain risk benefit analysis.	(5)
	b)	Explain the elements for reducing risk.	(5)
25		Explain conflicts of interest, its types and methods to avoid it.	(10)
		OR	()
26		Explain the responsibility of engineers towards employer.	(10)
27		Explain the role of engineers as professional consultants.	(10)
21		OR	(10)
28		Explain in detail about computer ethics.	(10)
20		****	(10)