

## **GUJARAT TECHNOLOGICAL UNIVERSITY**

BE - SEMESTER-VI(NEW) - EXAMINATION - SUMMER 2019

Subject Code: 2163901	Date:10/05/2019
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**Subject Name: Coating technology** 

Time: 1	10:30 AM TO 01:00 PM	Total Marks: 70

## **Instructions:**

1. Attempt all questions.

- 2. Make suitable assumptions wherever necessary.
- 3. Figures to the right indicate full marks.

	3. 1	rigures to the right indicate full marks.	MARKS
Q.1	(a) (b) (c)	Explain Conductive Coating with some Applications.	03 04 07
Q.2	(a) (b) (c)	Write Full form of DLC and Hence write Applications of DLC films.	03 04 07
	(c)	Explain Organic Coating and Anodizing.	07
Q.3	(a) (b) (c)	•	03 04 07
Q.3	(a) (b) (c)	Describe Anti-Scratch Coating and How it Works Briefly.	03 04 07
Q.4	(a) (b) (c)	Explain Non-Metallic Coating.  Define Coating. Write its Advantages and Disadvantages.  Describe Sol-Gel Coating and Radiation Cured Coating.  OR	03 04 07
Q.4	(a) (b) (c)	Define Electron Beam Hardening and its Uses.	03 04 07
Q.5	(a) (b) (c)	Describe Electroplating and it's Working Principle.  Describe Working Principle, Types and Application of Electrophoretic Deposition.	03 04 07
Q.5	(a) (b) (c)		03 04 07

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