

RA2211026030005



SRM Institute of Science and Technology
Delhi- NCR Campus, Modinagar
Department of Computer Science and Engineering
Academic Year: 2022-23 (odd)

Test: Theory CLA-2

Course Code & Title: 21GN1101J/ Philosophy of Engineering

Date: 23/11/2022 FN

Duration: 01:40 Hrs

Max. Marks: 50

Year & SEM: 1st & 1st

Part - A (MCQ) -10*1= 10 Marks - Answer all

Q.No	Question	Marks	CO	PO	BL
1	_____ comes from observation of the world, _____ comes from acquiring and applying knowledge, and _____ comes from repeated application and approval of the engineered tools. a. Science, Engineering, Technology b. Science, Technology, Engineering c. Science, Engineering, Philosophy d. Philosophy, Engineering, Technology	1	3	12	II
2	What reality can engineers know? Is the question of _____. a. Ontology b. Epistemology c. Methodology d. Axiology	1	2	1	I
3	What is engineering knowledge? Is the question of _____. a. Ontology b. Epistemology c. Methodology d. Axiology	1	3	1	I
4	At _____ stage, the product is widely available, and there are many competitors in the marketplace. a. Introduction b. Growth c. Maturity d. Decline	1	2	4	II
5	A new product introduced during/before the decline stage is known as _____ Product Life Cycle. a. Open loop b. Linear c. Parallel d. Closed loop	1	2	4	II
6	A _____ is a basic good used in commerce that is interchangeable with other goods of the same type. a. Product b. Service c. Commodity d. Infrastructure	1	2	12	I
7	_____ is not a Dimensions of Engineering. a. Basic Science b. Social science	1	3	1	II

	c. Arts d. Design				
8	If an engineer wants to become a sociologist, he/she needs to explore _____ dimension of engineering. a. Basic Science b. Social science c. Arts d. Design	1	3	1	II
9	RAISEC code for a person who works with and through people, providing leadership and delegating responsibilities for organizational and/or financial gain. a. R-Realistic b. E- Enterprising c. I- Investigative d. S- Social	1	3	4	II
10	RAISEC code for a person who is Creative and tend to focus on self-expression through all kinds of mediums: materials, music and words, as well as systems and programs. a. R-Realistic b. A-Artistic c. I- Investigative d. S- Social	1	3	4	II
Part - B (10*4)					
11	Explain the Product Life Cycle in detail with an example. or Explain and differentiate between reference ontology and application ontology with examples.	10	2	1	III
12	What do you mean by mind mapping? Explain it with an example relevant to engineering. or Discuss Concept Mapping and its types. Make a concept map on the engineering application of your choice.	10	2	6	III
13	Explain Four dimensions of Engineering in detail. or Differentiate between epistemology of engineering and ontology of engineering with examples.	10	3	1	III
14	Write a detailed discussion on epistemology of engineering design. or Discuss RAISEC model in detail	10	3	6	III

Name and Signature of Course Coordinator: Dr. Vikas Goyat

