SRM Institute of Science and Technology
College of Engineering and Technology
School of Computing
SRM Nagar, Kattankulathur - 603203, Chengalpattu District, Tamilnadu
Academic Year: 2023 (ODD)

A

Test/ Section: CT-1 / ALL
Course Code & Title: 21GNH013- PHILOSOPHY OF ENGINEERING
Year & Sem: I Year - I Sem

Date: 25-09-2023
Duration: 50 mins
Max. Marks: 25

Course Articulation Matrix:

S.No.	Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
1	CO1	L	-	-	H	-	L	-	L	H	H	-	H
2	CO2	H	-	-	H	H	-	-	-	H	H	-	H
3	CO3	H	-	-	H	-	-	-	-	H	H	-	H
4	CO4	H	L	M	H	H	-	-	-	H	H	-	H
5	CO5	H	H	M	H	-	H	H	H	H	H	-	H
6	CO6	H	M	L	H	M	M	L	M	H	H	-	H

Part - A
(5 x 1 = 5 Marks)

Instructions: Answer all

Q. No	Question	Marks	BL	CO	PO	PI Code
1	_____ is the discipline and profession of applying technical and scientific knowledge utilizing natural laws and physical resources to design and implement materials a) Arts b) Mathematics c) Engineering d) Science	1	1	1	1	1.6.1
2	The creative application of scientific principles to design or develop structures for economics of operation and safety to life and property is the definition of engineering by a) ECPD b) ABET c) ITEA d) NAE	1	1	1	1	1.5.1
3	Engineering is considered a branch of applied _____ a) Mathematics and science b) Physics and mathematics c) Imaginative and creative d) Art and Technology	1	1	1	1	1.6.1

4	Ontology is sometimes referred as a) Reference b) science of being c) philosophy d) Metaphysics	1	1	1	2	1.6.1
5	The Metaphysical realism of Ontology is referred to as a) The world is knowable by us b) The world is what there is c) The properties of the world is yet to be discovered d) The functions of the world are accurate and comprehensive	1	2	1	2	1.6.1
	Part – B **(2 x 10 = 20 Marks)** **Instructions: Answer any Two Question**					
6	Explain about desired attributes of an Engineer in detail.	10	2	1	1	1.7.1
7	Discuss the need for including ARTs in STEM and the motivation behind it in the context of Engineering principles	10	2	1	4	1.6.1
8	Illustrate and Explain about PLC in detail	10	3	2	1	1.7.1

Course Outcome (CO) and Bloom's level (BL) Coverage in Questions