Roll	No.	

Total Pages: 2

322306

Jan. 2022 B.Sc. (Chemistry) 3rd Semester Green Chemistry (SECC-02)

Time: 90 Minutes] [Max. Marks: 25

Instructions:

- 1. It is compulsory to answer all the questions (1 mark each) of Part-A in short.
- 2. Answer any three questions from Part-B in detail.
- 3. Different sub-parts of a question are to be attempted adjacent to each other.

PART-A

1.	(a)	Define Green Chemistry.	(1)
	(b)	Give examples of some ozone depleting solvents.	(1)
	(c)	Atom economy is a measure of of a reac	tion.
			(1)
	(d)	What is surfactant in chemistry?	(1)
	(e)	What do you mean by marine Antifoulant?	(1)
	(f)	Give the structure of D-limonene.	(1)
	(g)	What is mechanochemical method?	(1)
	(h)	What is a byproduct of producing biodiesel?	(1)
	, ,		

	(i)	Who is the Father of Green Chemistry?	(1)
	(j)	What is an azo pigment?	(1)
		PART-B	
2.	(a)	Give the synthesis of poly lactic acid from corn.	. (3)
	(b)	"Green chemistry is sustainable chemistry". Exp	olain
		the statement.	(2)
3.	(a)	How can you improve Atom Economy of a react	ion?
			(2)
	(b) Define Rightfit pigment. Give the difference be		een
		organic and inorganic pigments.	(3)
4.	Briefly discuss the twelve principles of Green chemistry		try.
			(5)
5.	(a)	Write a note on Green solvents. Give some exam	ples
		also.	(3)
	(b)	What are the advantages of synthesis of co	pper
		phthalocyanine complex by microwave?	(2)
6.	(a)	Why surfactants are required while dry cleaning	with
		supercritical CO ₂ ?	(2)
	(b)	Discuss the characteristics of biodiesel.	(3)