(iv) Discuss the applications of photochemical reactions?

solvents with respect to green chemistry.

Give the advantages of supercritical fluid over other organic

(iii)

	(b)	Expla techn	in the Process Intensification (PI) and In Process Monitoring (IPM) ique with respect to green chemistry. OR	4
	(b)		are photochemical reactions? Explain the advantages of chemical reactions.	4
4	(a)			8
		(i)	Give an account of supporting media used in zone electrophoresis.	
		(ii)	Explain capillary electrophoresis, with the emphasis on the method of detection.	
	. *	(iii)	Describe principle and applications of SDS page and iso-electric focusing.	
		(iv)	What is miscellar electrokinetic capillary chromatography? Give its applications?	
	(b)		are nano materials classified? Explain carbon nano tubes with	4
		special reference to dimensions. OR		
	(h)	Give	detailed account of instrumentation used in gel electrophoresis.	4
	(0)	Give	detailed account of instrumentation poor in get electrophic electron	4
5	Atte	Attempt any Four of the following:		
		(i)	Give details of care to be taken in storage of hygroscopic materials.	
		(ii)	What is ASTM? What information it has about the material?	
		(iii)	Differentiate between the discrete and continuous flow analyzers.	÷
		(iv)	Discuss the applications of multi layer films in the determination of possium ions in serum sample.	
		(v)	Explain the terms:	
		•	(a) Sustainable development (b) Atom economy	
		(vi)	What are ionic liquids? List the applications of ionic liquids as a solvent.	
		(vii)	Discuss the applications of capillary isoelectric focusing methods.	
		(viii)	What are the applications of nano materials?	