

YBC-15309

www.FirstRanker.com

www.FirstRanker.com AW-1741

(Contd.)

B.Sc. (Part—III) Semester—V Examination 5S: PETROCHEMICAL SCIENCE

Tim	e : Tł	ree I	Hours	s]		[Maximum Marks :	80
Note :—(1)				Question No. 1 is compulsory and carries 8 marks.			
		(2) The remaining SIX questions carry 12 marks each.					
		(3) Draw a diagram and chemical equation wherever necessary.					
1.	(a)	Fill	in the	e blanks:			
		(i) The molecular weight of large polymer depends on their number ofp that polymer.					
		(ii) Diene polymer comprisely known as					
		(iii) enhance the crystalisability of wax without dissolving oil.					
		(iv) The chain of consist of only one type of monomer units.					
	(b)	Cho	ose c	correct alternatives:			
		(i) Polyisoprene is well known polymer.					
			(a)	Plastics	(b)	Rubber	
			(c)	Fiber	(d)	All above	
		(ii) In suspension polymerization process play an important role for remheat.					of
			(a)	Air	(b)	Salt	
			(c)	Water	(d)	Caustic	
		(iii) High pressure polyethylene manufacturing process was developed by					
			(a)	ICI	(b)	TCS	
			(c)	MDCC	(d)	UDP	
		(iv)	Poly	yvinyl acetate is mainly used in	_•		
			(a)	Cement	(b)	Paint	
			(c)	Bitumen	(d)	None of these	2
	(c)	c) Answer in one sentence each :(i) Which are three distinct stages of chain polymerization ?					
		(ii) Which two steps are involved in production of diisobutylene?					
		(iii)	Wh	at is Polymides?		Ε	
		(iv)	olymer?	4			
2.	(A)		mple.	6			
	(B)	OR Classify the polymers with the structure.					

YBC 15309 2 75

(Q) What is bitumen? Which tests and properties are prescribed for biturien? Discuss any one

Wax

(ii) Bitumen.

of them.

(i)

3