	٦
Seat Number	-

DAGDU-13

		(7233		game enemistry 11	
Total Pages	s : 2]		,		
Time: 3 Ho		The same		Max. Marks: 75	
		andidates:			
		te anything on question paper exc ons are compulsory.	ept Se	eat No.	
	7	right indicate full marks.			
		nould note, no supplement will be	*		
5. Grap	on or a	iagram should be drawn with the	ыаск	ink pen or black HB pencil.	
1.	Mult	tiple Choice Questions			10
. 1	The	degree of unsaturation of lipids ca	n be r	neasured as	
	a)	Reichert Meissl value	b)	Saponification value	
	c)	Iodine value	d)	Polenske value	
2	Wha	t is the general formula of cycloal	kane		
	a)	CnH <sub>2</sub> n	b)	CnH <sub>2</sub> n+2	
	c)	CnH <sub>2</sub> n-2	d)	None of these	
3	All carbon atoms in naphthalene are				
	a)	sp hybridized	b)	sp <sup>2</sup> hybridized	
	c)	sp <sup>3</sup> hybridized	d)	None of these	
4	Aron	natic hydrocarbons are also called			
	a)	Hukel's compounds	b)	Arenes	
	c)	Alkoxy Compounds	d)	Trienes	
5	Phen	ol is acidic because of			
	a)	Resonance	b)	Electromeric effect	
	c)	Inductive effect	d)	Peroxide effect	
6	Anth	racene is a polycyclic aromatic hy	droca	urbon composed of three fused rings	
	a)	Ethylene	b)	Alkane	
	c)	Pyridine	d)	Benzene	
7	Fatty	acids are			
	a)	Unsaturated dicarboxylic acids			
	b)	Long-chain alkanoic acids			
	c)	Aromatic carboxylic acids			
	d)	Aromatic dicarboxylic acids			

Saccharine is used as..... a) Preservative b) Artificial sweetener Flavoring agent Colouring agent c) d) According to Baeyer strain theory, which of the following cycloalkanes is stable Cyclopropane Cyclobutane b) Cyclopentane c) d) Cyclohexane Anthracene undergoes electrophilic substitution reactions mainly at...... a) C-1 b) C-9 C-2 c) d) C-4Write the answer to the following 10 1. Define fat and oil. 2. Explain, why aromatic acids exhibit an acidic nature 3. Give synthetic uses of aryl diazonium salts 4. Draw the structure of resorcinol 5. Give the medicinal uses Triphenylmethane Solve any two out of three. 20 Explain in detail the nitration and halogenation reaction of benzene. Give the methods of preparation and reaction of Anthracene b. Explain the concept of acidity of phenol i) C. ii) Write chemical reactions of phenol Solve any seven out of nine 35 Give the synthesis and chemical reaction of Naphthalene a. Explain the concept of the basicity of aromatic amine b. Define Cycloalkane, explain Coulson & Moffitt's modification theory Write adetailednote on friedal craft alkylation d. Draw the structure of Diphenylmethane, Phenanthrene, and Anthracene, and give medicinal uses forany one of them Write note on: i) Saponification value ii) Ester value Write a note on the effect of substituents on reactivity and orientation of monosubstituted benzene. Draw the structure of DDT, Saccharin, and BHC and give uses of DDT h. Explain Huckel's rule for aromaticity

2 101/26

2.

3.