

CLASS: XIIth DATE:

SUBJECT: CHEMISTRY

DPP NO.: 7

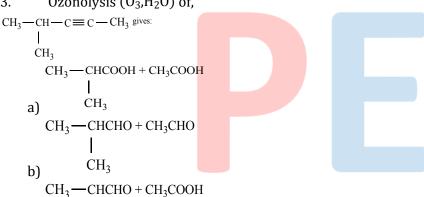
- 1. Lindlar's catalyst is:
 - a) Pd- CaCO₃ deactivated by lead acetate
 - b) $Pd BaSO_4$
 - c) Pd
 - d) None of the above
- 2. The energy of π -bond in kcal is about :
 - a) 36

b)50

c) 74

d) 140

3. Ozonolysis (O_3,H_2O) of,



- CH₃ c)
- d) None of the above
- What is the end product of the following sequences of operations?

$$\operatorname{CaC}_2 \xrightarrow{\operatorname{H}_2\operatorname{O}} A \xrightarrow{\operatorname{Dil}.\operatorname{H}_2\operatorname{SO}_4} B \xrightarrow{\operatorname{Ni}} C$$

- a) Methyl alcohol
- b) Acetaldehyde
- c) C_2H_5OH
- $d)C_2H_4$
- 5. The order of relative acidic strengths of water, ethyne and propyne is:
 - a) Water>propyne>ethyne
 - b) Propyne>ethyne>water
 - c) Water>ethyne>propyne
 - d) Ethyne>water>propyne

6.	Reaction of <i>trans</i> -2-ph a) 4-phenylcyclopenter b) 2-phenylcyclopenter c) 1-phenylcyclopenter d) 3-phenylcyclopenter	ne ne ne	tane on reaction with alo	coholic KOH produces:
7.	Ethylene reacts with sl a) Phosgene	phur monochloride to g b) Mustard gas	rive: c) Ethylene chloride	d) None of these
	oholic KOH and produmoniacal Cu_2Cl_2 . ' X'	ces another hydrocar	carbon with three carb bon which forms a rec reaction with aqueous	l precipitate with
	a) 1,3-dichloropropanec) 2,2-dichloropropane		b) 1,2-dichloropropane d) 1,1-dichloropropane	
9.	Ethylene may be prepa a) Ethyl alcohol	ared by the dehydration b) Methyl alcohol	of: c) Acetic acid	d) Oxalic acid
10.	Petroleum is formed by a) Inorganic matter	y the chemical changes i b) V <mark>egetable matte</mark> r	in: c) Animal matter	d) Both (b) and (c)
11.	Common dehydrating a a) H_2SO_4	agents for alkanes are: b) Al ₂ O ₃	c) ZnCl ₂	d) All of the above
12.	The most stable confor a) Skew	rmat <mark>ion of</mark> butane is: b) <mark>Stagge</mark> red	c) Gauche	d) Eclipsed
car			carbon and hydrogen i han 1.54Å, but more t c) 180°	n a single plane. All the han 1.34Å. The C-c d) 120°
14.	The product of acid catalysed hydration of 2-phenyl propene is: a) 3-phenyl-2-propanol b) 1-phenyl-2-propanol c) 2-phenyl-2-propanol d) 2-phenyl-1-propanol			
	When C_2H_5 , CH_4 and C_2H_4 passes through a test tube which have ammoniacal Cu_2Cl_2 , and out which gas comes out unaffected from test tube? a) C_2H_2 and CH_4 b) C_2H_2 and C_2H_4 c) C_2H_4 and CH_4 d) C_2H_2			
16.		chlorine in sunlight to b) $C_6H_6Cl_6$		d) C ₆ H ₅ Cl

- 17. When 2-butyne is treated with $Pd-BaSO_4$; the product formed will be
 - a) cis-2-butene
- b) *trans*-2-butene
- c) 1-butene
- d) 2-hydroxy butane
- 18. The overlapping of orbitals in benzene is of the type
 - a) sp sp
- b) p p
- c) $sp^2 sp^2$
- $d) sp^3 sp^3$
- 19. The product obtained when methyl magnesium bromide reacts with methyl alcohol is:
 - a) Acetone
- b) Alcohol
- c) Methane
- d) Ethane
- 20. The treatment of benzene with benzoyl chloride in the presence of AlCl₃ gives
 - a) Benzaldehyde
- b) Benzophenone
- c) Diphenyl
- d) Cyclohexane

