Cleavage of multiple bords (c=c, c=c) with the help of c3 is called oranolysis. Alkene when undergoes : Ozonolysis: reaction with ozone, it gives mixture g

depending on 03 with a) Alderyde I ketone.

b) Carboxylic acid/ Ketone. Oher systams.

c) (02 + 420

RCH=CHR' 03 RCH=0+ R'CH=01 Reductive

O3

RCH=0+ R'CH=0.) 07-onohyci.

M(2S/Ph3P)

RCH=0+ R'CH=0.) 03+1+202, RCO2H + P'CO2H Joridaline
03+1+202, RCO2H + P'CO2H Joronolyus
/ RCO3H

R2(= clb 03 R2(=0+ 1/200. M25/Ph3P P2(=0+12(=0. 03+ 1+20 3 R2 (=0+ (02+120 03+ 1h02 > R2 (=0+ C02+ H20. /RLU2/14.

RCH = CHR - syn RCH - # CHR

Good of addition. RCH - # CHR

addition. Book of Molozomia

dipolarion/2m/He sian. RCH CHR CHOOM OF OTOMICE.

In absence of zn/, if we use only 1620/1420g/Right. Then mexture g aldehyde is oxidized to acid. Ketone remains as ketone, formal dehyde is converted einh (0,+160.

a)
$$\frac{O_3}{2n/1h0} 1h_1 (=0 + CH = 0 + CH = 0)$$

$$-(H = 0)$$

$$\frac{O_3}{Ph_3 P} 7 (=0 + CH_3 CH = 0 + CH = 0)$$

e) (10)
$$\frac{o_3}{2n/1h0}$$
 (15)

9) A (+vetest with Br. / Baeyer's reagent).

103/7n.

103/7n.

2,3 dimethyl butane.

12(=0+2, diketone.

Ans. A: 42 = CH - CH = CH2

i) A ((19 H38) = 1/mys = 0 + 16 (arbon Aldehyde. L +2 (Pt) = 2,6 10, 14 Le tramethyl pentadle ane

Q. X => ETCH == C= CHICH3

Q. A 10.02 mg sample takes 84 ml Itz gas at STP. On 07 onolysis it gives 16 (=0 & gly exal. Mol. weightg A = 80. What is the sample?

Ans: 1/2 (= CH-CH = CH-CH = CH2 [M·W = 80].

1, 3, 5 hexabiene

1, 3, 5 hexabiene

Que acetica with 03 + 14202, how many allene give acetic acid, acetone & pryrunic acid.

Clyco2H, clycocky clyco-co2H.

 $CH_{SCH} = C - CH = C - CH_{SCH}$ (26.5 possible). (26.5 possible). (26.5 possible).

Total 4 aluenes ene possible.

8. A((8H2) [+ve test with Bz | Bayer's reagent? Br21cdy Tetrobromo problet. 1031 mg D G-uz + Co2H + co2 + 120. H20

Ans:

9. No of moles of + H202 co2 evolved.

CO2+40 B-Metoacid \ \D 2002 more releaser.

Ans: 5.

a. Limonene 1+2/Ni 1 isoproprol-4-methyl cydrhexane The structure of dimonene. Q. There are 6 aluene A, B, C, D, E, F which reacts with H2/Ni to give alle with lonest molecular weight optically outire Compound. [no Dis used in alkene] & there is in are general formula 6 1412. How mary allens give autone on ozonblyes: g. cH3-CH=CH-Et -03 > Nagoroniols. C13-CH C4-C4-C11 CH-C4 E1-CH CHER

4 polts. 3 polts. 3 polts.

9. city-cit= letty 150=0/ memanentis unexpected (P)
used as solvent openide: (P)

the cy-ch green religional product in unit is shared isostational unexpected law temp (8)

0=) (13-CH-0-0H)