

**DAV Public school,(ECL), S.P Mines Chitra
Deepawali and Chhath holiday home assignments(16-17)**

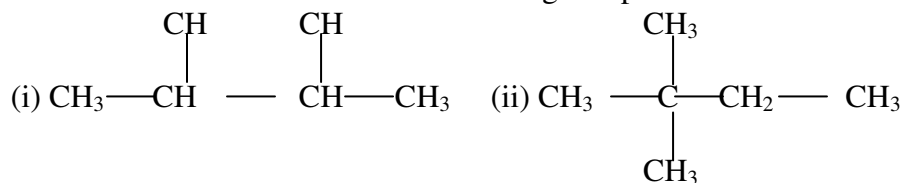
CLASS- XA

Subject- Physics

1. Solve numerical problems based on mirror from NCERT book.
2. Write sign convention of the mirror .
3. Write uses of mirror.
4. Draw ray diagram from mirror for different position of the object.

Subject- Chemistry

1. Who synthesized first organic compound and how? (02)
2. Explain Vital force theory? Who proposed this theory? (02)
3. write down the IUPAC name and structure of all the isomers of butane and pentane. (05)
4. Draw Lewis dot structure of cyclopentane, cyclohexane and cyclobutane.(03)
5. Write down the IUPAC name of following compounds.



6. What is homologous. Name the homologous of methanol, Ethanol and propanal. (03)
7. Write down the general formula of alkane, alkene and alkyne. Give example of each compound. (03)

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PROJECT WORK

Subject- Biology

1. Explain double fertilization in plants.
2. Draw and label the structure of bisexual flower.
3. What is pollination? Differentiate self and cross pollination.
4. Explain different phases of menstrual cycle in human females.
5. Explain the birth control methods in human.
