

- **National University –SUDAN**

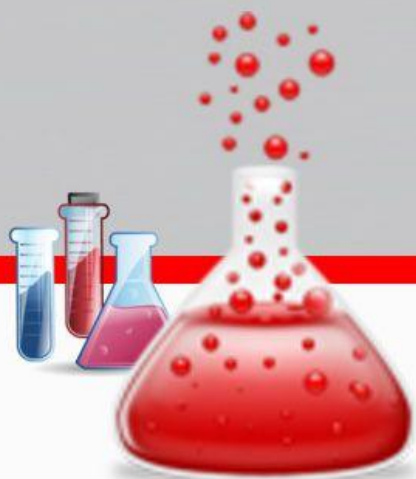
Faculty of Clinical and Industrial Pharmacy

Second Year (**Batch-PA-14**)-Semester Four

- Organic Chemistry in Pharmacy

Course Coordinator: Us. Ghada Mustafa Eltayeb,
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**Pharmaceutical Organic
Chemistry-2 (PA-ORG-216)**

Course objectives :

1. Nomenclate the organic compounds (Hydrocarbon, Functional groups, Benzene compounds and hetrocyclic compound 5,6- membred ring.).
2. Sketch the organic compound (Hydrocarbon, Functional groups and Benzene compounds and hetrocyclic compound 5,6- membred ring).

Course Objectives

3. Define the aromaticity term.
4. Explain and describe the aromaticity of aromatic compounds.
5. Define and explain the instability of rings.

Course objectives :

6. *Distinguish between stable and unstable rings.*
7. *Define the chirality term.*
8. *Define the enantiomers.*
9. *Discriminate chair and achiral center.*

- Course objectives :**
- 10. Identify and describe the stereoisomer.*
 - 11. Draw and sketch different the stereoisomer.*
 - 12. Define and explain the estrogenic center.*

Course objectives :

13. *Discover the estrogenic center in deferent compounds.*
14. *Define and explain the diastereoisomer compounds.*
15. *Sketch the diastereoisomer isomers.*
16. *Define the meso compounds.*
17. *State the physical properties of the stereoisomer's compounds.*

Course objectives :

18. Define the term of specific rotation of the optical isomers.

19. Calculate the specific rotation of the optical isomers.

20. Calculate the enantiomers isomer excess in %.

21. List the chemical properties of enantiomers isomer.

Study while

others are sleeping

work while

others are loafing

Prepare while

others are playing

and
Dream while

others are wishing

- William Arthur Ward -

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