

## SHAMBHUNATH INSTITUTE OF PHARMACY

### Assignment – 2 (on-line): PHARMACEUTICAL ORGANIC CHEMISTRY (III)[BP-401T]

#### UNIT- 4 and 5

#### IMPORTANT INSTRUCTIONS:

\*For preparing solutions to the given questions, the students should **FIRST GO THROUGH** the following in detail and prepare their own notes.

- (a) [www.slideshare.net](http://www.slideshare.net) (strongly recommended)
- (b) [www.wikipedia.org](http://www.wikipedia.org)
- (c) Reference book issued to you through the college library
- (d) Pdf file uploaded to you all on *c portal login* as well as sent via WhatsApp in your class group.
- (e) Audio supports of various topics sent via WhatsApp in your class groups.

\*The completed assignment should be mailed to me at [nameer@siet.in](mailto:nameer@siet.in) latest by 15<sup>th</sup> May positively.

\*Kindly put in the subject line:

#### **SUB: Online Assignment 2 (Unit 4 and 5): B Pharm Section A/B(your section)**

- Q 1. Compare the Electrophilic reactivities of 1,2 and 1,3- Azoles.
  - Q 2. Discuss the Structure and Medicinal uses of Indole in detail.
  - Q 3. Discuss the Medicinal applications of TWO 6-membered heterocyclics having 2 heteroatoms.
  - Q 4. Compare the Chemical properties of any TWO 6-membered heterocyclics having 1 heteroatom.
  - Q 5. Give the synthetic applications of Sodium Borohydride.
  - Q 6. Give the mechanism and applications of Birch reduction, Oppenauer oxidation and ClaisenSchmidt condensation.
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