King Saud University
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Department of Pharmaceutical Chemistry

PHC 251

Student Name:	No:

1. Carbonyl group shows I.R. peak at:
   a- 3500-3200 b- 3100-3000 c- 3000-2900 d- 1750-1700

2. I.R. Peak at 3400-2400 cm^{-1} being related to:
   a- aromatic CH b- Carboxylic OH c- Phenolic OH d- NH

3. Acetophenone is:
   a- acidic b-basic c-neutral d- amphoteric

4. Action of resorcinol on litmus paper:
   a- blue turns red b- red turns blue c- changes both d- no change

5. How can you differentiate between Benzoic acid and methanol ? by reacting with:
   a- 2,4-dinitrophenylhaydrazine
   b- sodium carbonate
   c- nitrous acid
   d- hydroxylamine hydrochloride

6. Schiffe,s reagent is used to detect:
   a- aldehyde and ketones
   b- phenols
   c- aromatic amines
   d- aromatic esters

7. A compound has I.R. Peak at 3500-3100 cm^{-1} is::
   a- N,N-dimethylaniline
   b- phenyl salicylate
   c- aniline
   d- glycerol

8. Biuret test is used to confirm:
   a- catechol
   b- acetone
   c- urea
   d- *N-methylaniline*

9. Azodye test is used to confirm:
   a- aniline
   b- phthalic acid
   c- ethanol
   d- formamide

10. How can you different between aldehyles and ketones? By using:
   a- 3,5-dinitrobenzoyl chloride
   b- 2,4-dinitrophenylhaydrazine
   c- Tollen's reagent
   d- *Ferric chloride*