Seat No.

T.Y. B.Sc. (Semester – III) Examination, 2012 CHEMISTRY (Paper – III) CH – 333 : Organic Chemistry (2008 Pattern)

Time: 2 Hours

Max. Marks: 40

- N.B.: i) All questions are compulsory.
 - ii) Figures to the right indicate full marks.
 - iii) Draw the structures and neat diagram if necessary.
- Answer the following:
 - i) Why urea is neutral though it contains NH2 group?
 - ii) Write the trivial and IUPAC name for ph CH = CH C ph.
 - iii) Draw Zig-Zag structure of hepta, 3-5-dione.
 - iv) Arrange the following in decreasing order of S_N2 reactivity. Explain your reasoning.

- v) Guanidine is extremely strong base-explain in brief.
- vi) 2-phenyl ethyl bromide on heating with NaOCH3 gives 95 % styrene.
- vii) Write the reaction of Ethyl thiol with benzaldehyde.
- viii) 1-Butene treated with HBr in presence of peroxide. Write the product.
 - ix) What is S_N1 reaction?
 - x) Salicylic acid is stronger acid than m-hydroxy benzoic acid why?

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