

RANCHI COLLEGE, RANCHI

M.Sc Sem IV

Paper (EC-4) Org. Chem.

Model Questions.

Q1. Establish the structure of atropine. 25.

Q2. Establish the structure of Quinine 25.

Q3. Establish the structure of Vit C 25.

Q4. Establish the structure of Vit A. 25.

~~Q5. Establish the structure of~~

Q5. Give the synthesis of Quinine 25

Q6. Give ~~the~~ ^{two} syntheses of Vit C -10.

Q7. Give the synthesis of tropic acid and tropinone. -10

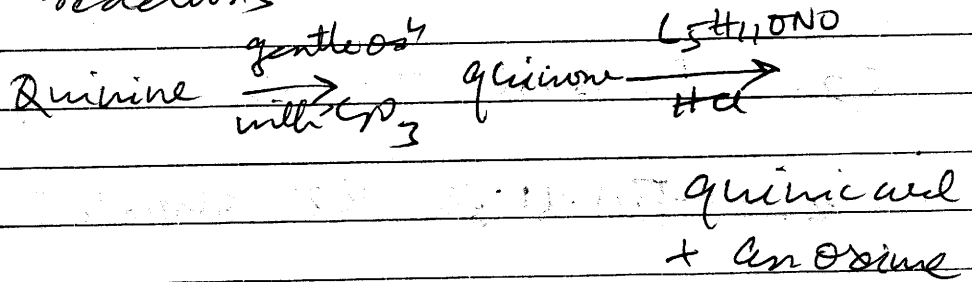
Q8. (a) How you can prepare 2-ethylpyridine from tropine?

(b) How you can prepare cycloheptatriene from tropine? 5x2 = 10

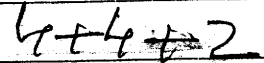
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Q9. How can you prepare
(a) lipoic acid and cinchotopone
from neoguinene?

(b) Explain the following through
reactions



(c) What happens when
this osine is hydrolysed in
acidic condition?



Q10. Write short notes on
general method of structural
elucidation of alkaloids.

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