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B.Sc. RNLK-/Chemistry/SEC-IT/21

2021

Pharmaceutical Chemistry

[3rd Semester]

Paper - SEC-IT

Full Marks : 20

Time : 1 hours

The figures in the right-hand margin indicate marks.

Candidates are required to give their answers in their own words as far as practicable.

Illustrate the answers wherever necessary.

Group - A

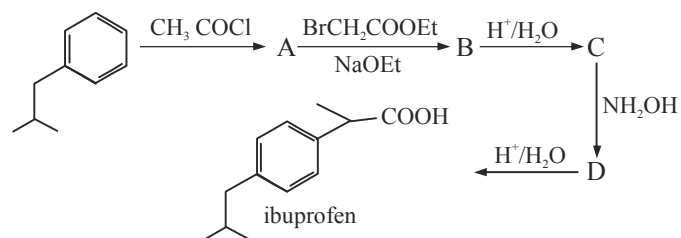
A. Answer any five from the following questions : 5×2=10

1. What are the differences of aerobic and anaerobic fermentation?
2. Illustrate the processes of drug delivery methods.

(Turn Over)

(2)

3. Fill in the blank A to D



4. Define the term FGI and FGA.
5. Write down the name and structure of CNS and cardiovascular drug.
6. What do you mean by antiinflammatory drug? Give example.
7. What is antifungal agent? Give example.
8. Give the chemical reactions for the preparation of paracetamol from benzene.

(3)

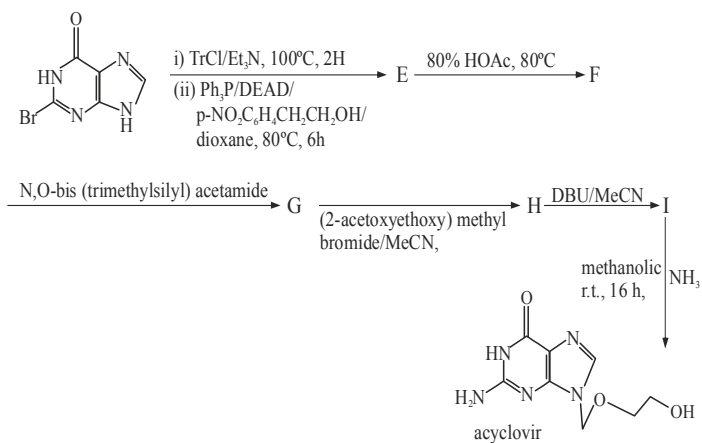
Group - B

B. Answer any two from the following questions : 2×5=10

9. (a) Prepare sulphonamide from benzene.
- (b) Prepare Phenobarbital from DEM.
- (c) What metal present in Vitamin B-12.

2+2+1=5

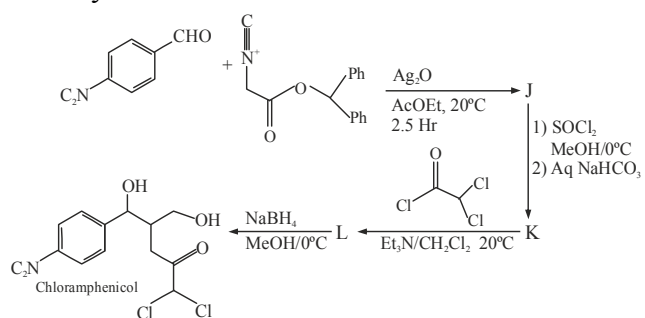
10. Fill in the blank from E to I



(4)

11. (a) What is chemical name of Vitamin C? What is its natural source?

(b) Identify J to L



4. Fill in the blank from M to Q

