

M. Sc. 3rd Semester Examination, 2023

CLINICAL NUTRITION & DIETETICS

PAPER -- CND-301

Full Marks : 50

Time : 2 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

GROUP—A

Answer any four of the following questions :
2 × 4

1. What do you mean by efficacy of drug?
2. Define Pharmacodynamics.

3. What is nutrigenomics?
4. What do you mean by 'Down Regulation of Receptors'?
5. What are the affinity and intrinsic activity of drug? 1 + 1
6. What is 'Food - drug interaction'?

GROUP-B

Answer any **four** of the following questions :

7. Write the drug nutrient interaction at the site of absorption. 4 × 4
8. Discuss the role of vitamin D on gene expression. 4
9. What are the differences between Competitive and noncompetitive antagonism. 4

10. What do you mean by biotransformation of drug? How does biotransformation of drug influence nutrient. 2 + 2
11. What is log dose response curve? What do you mean by bioavailability of drug? 2 + 2
12. How does drug react in our body? What do you mean by potency of drug? 3 + 1

GROUP - C

Answer any two of the following questions : 8 × 2

13. Discuss the role of carbohydrate on gene expression. What do mean genomics and proteomics? 4+2+2
14. Discuss the drug nutrient interaction at the site of fecal clearance. What is LD₅₀? 6 + 2

15. What is retinoic acid? How does folic acid influence the gene expression? 2 + 6
16. Define metabolomics. "Metabolomics is the direct study of Carbohydrate - fat interactive metabolic disorder detection"- Justify. 2 + 6

[Internal Assessment — 10 Marks]
