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Department of Food Technology
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M.Sc. Nutrition and Dietetics
Semester-IV Examination, August, 2024

Paper Title: Advance Nutrition-II; Paper Code: MDNEC-404

MSc.
2024
4th Sem.

Duration: 3 Hours

Max Marks: 60

Note: write to the point, please make sure you have mentioned question no. before answering

SECTION-A

Q. no- I. Attempt any five from the following questions:

(2mark each; 2X5=10 marks)

1)	Define Pharmacodynamics.	CO-1,2, PO-2,3
2)	What is NSAID? Give examples.	CO-1,2, PO-2,3
3)	Who are the individuals at risk of drug nutrient interaction?	CO-1,2, PO-2,3
4)	Define Nutraceuticals and functional foods?	CO-1,2, PO-2,3
5)	Specify the role of tranquilizers and analgesics.	CO-1,2, PO-2,3
6)	Give classification of anti-hypertensive drugs.	CO-1,2, PO-2,3
7)	What are prebiotic and probiotics. Give examples.	CO-1,2, PO-2,3

SECTION-B

Q. no-II. Attempt any five of the following questions:

(5 marks each; 5X5=25 marks)

1)	What is drug target interaction?	CO-1,2, PO-2,3
2)	Write a note on medicinal properties of spices.	CO-1,2, PO-2,3
3)	What is pharmacokinetics? Give the flow chart of various processes in pharmacokinetic. Enlist factors affecting drug absorption.	CO-1,2, PO-2,3
4)	Write a note on effect of food on absorption of drugs with examples.	CO-1,2, PO-2,3
5)	What are antacids? Explain how does it work?. Also give two examples of it.	CO-1,2, PO-2,3
6)	Give an overview about the factors which modify drug action.	CO-1,2, PO-2,3
7)	Write a short note on probiotics and prebiotics.	CO-1,2, PO-2,3
8)	Describe the effects of various foods and beverages on drug action.	CO-1,2, PO-2,3

SECTION-C

Q. no- III. Choose any two of the following questions:

(12.5 marks each; 12.5 X2=25)

1)	Describe the various functional components present in different fruits and vegetables and also the expected potential benefit on health.	CO-1,2, PO-2,3
2)	Define drugs. Give an insight into sources of drugs both animal and plant. Give also the classification of different animal products used as drug and surgical.	CO-1,2, PO-2,3
3)	What are anti- histamines? Explain the mechanism of action of antihistamines.	CO-1,2, PO-2,3
4)	Elaborate the dosage forms and routes of drug administration.	CO-1,2, PO-2,3