2022

1st Semester Examination CLINICAL NUTRITION AND DIETETICS

Paper: CND 101

Full Marks: 40 Time: Two Hours

The figures in the margin indicate full marks. Candidates are required to give their answers in their own words as far as practicable.

Group - A

Answer any *four* of the following: $2 \times 4 = 8$

- 1. Define development.
- 2. What is hypertrophic growth?
- 3. Write the full form of STAT, IP, DAG and MAPK.
- 4. Write the definitions of exercise and sports.
- 5. What are 3Fs for sports performance.
- 6. Write any two features of genomic signal propagation.

Group - B

Answer any *four* of the following: $4\times4=16$

7. Write the different components of fixed model hormone receptor. What do you mean by Rs and Ri cycle? 2+2

P.T.O.

8.	How ROS can able to induce gene mutation dietary management of such gene mutation.		tate 2+2
9.	Write in brief about IP ₃ -DAG signal transpathway.	duc	tion 4
10.	State the role of vitamin D_3 as positive i modulator.	mm	uno 4
11.	Write a short note on metastasis.		4
12.	'Cancers occur due to multi-step mutational eve explain it from genetic perspective.	ents	4
Group - C			
	Answer any two of the following:	3×2=	=16
13.	Write the tyrosine kinase signal transduction path insulin receptor with schematic diagram.	ıwa	y of 8
14.	What is glycogen loading? Write the process of gloading of sports person.	lycc	gen 8
15.	Discuss the role of Bad and Bax protein in appropriate Why are caspases considered as effector propropriately apoptosis? What is angiogenesis?	tein	
16.	Functionally discriminate between oncogenes and suppressor genes.	l tur	nor
	'P ⁵³ gene functions as the last gate keeper prevention of cancer' — explain the statement.	in	the
	Define hereditary retinoblastoma	2±4	1+2