2017

M.Sc.

1st Semester Examination

CLINICAL NUTRITION & DIETETICS

PAPER—CND-101

Subject Code—25

Full Marks : 40

Time : 2 Hours

The figures in the right-hand margin indicate full marks.

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

Illustrate the answers wherever necessary.

Answer *Question No 1* and any *three* of the following.

1. Answer any *ten* of the following :   10×1

(a) Write the full forms of TBP and CBP.

(b) What is 'TATA BOX'?

(c) Write the full form of 'STAT' with respect to signal transduction.

(Turn Over)

(d) Write one marker of antiapoptotic and another for preapoptotic.

(e) Write the names of any two growth marker.

(f) Write the full form DAG & IP_3.

(g) Define Genoestrogen.

(h) What do you mean by 'Wastage' of muscle from the view point of under untrition.

(i) Write one example of PUFA and one for MUFA.

(j) What do you mean by negative immunomodulation ?

(k) Write one basic difference between primary and secondary response.

(l) Write any two features of nongenonic signal transduction process.

(m) What do you mean by growth monitoring ?

(n) What do you mean by 'Bio-energetics ?

(o) Write the name of any two oncogenes.

(Continued)

2. (a) Write any two features of genomic signal transduction pathway.

(b) State the cyclic transformation of inhibitory G-Protein to stimulatory G-Protein and Vice-versa with respect to fixed model reaptor.

(c) How AMP can modulate gene expression ?   2+3+5

3. (a) Describe the features of ICMR growth chart.

(b) State the applied value of ICMR growth chart for nutrition status monitoring.

(c) Write in brief about pubertal growth.   4+4+2

4. (a) Write the different phases of atheroscelerosis.

(b) State the clues for nutritional protection from atheroscelerosis.

(c) Write the normal level of lipid profile of an adult male.
   4+4+2

5. (a) How cellular immunity modulates humoral immunity ?

(b) Describe the role of nutrients on cellular immunity.

(c) Write the role of T_H, T_K and T_M cells.   3+4+3

6. (a) Classify different categories of ergogenic aids with example.

(b) Name two supplementary ergogenic aids and mention its role as performance enhancer.

(c) What is doping ? Mention the side effects of doping ?

2+4(2+2)

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