

2019

Part – II

NUTRITION

(Honours)

Paper – V

(Practical)

Full Marks – 100

Time : 6 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.*

UNIT – 09

[Marks – 50]

(Nutritional Physiology & Anthropometry) 5×2

1. Identify five(5) permanent histological slides marked (A-E), focussed under the compound microscope and mention one identifying prominent character of each section (slide).

P.T.O.

[Marks distribution : (a) one appropriate and major character in each slide – 1, (b) correct identification – 1 of each slide – 1. Marks are deductable for spelling mistake.]

2. Determine the blood haemoglobin level from the supplied sample by cyanmethemoglobin method.

[Marks distribution : (a) Principle – 2, (b) Results and calculation – 5+1 (Error upto 5% – 5, more than 5% up to 10-% – 4, more than 10% upto 15% – 2, exceeding 15% – 0) (c) Interpretation – 2].

10

3. Assess the nutritional status of the subject by measuring MUAC and W/H ratio.

[Marks distribution : MUAC measurement-2, waist measurement – 2, Hip measurement-2, Reference value and Interpretation – 2+2.]

10

4. Plot a growth curve from supplied date as directed in the provided card (Picked up by lottery)

[Marks distribution : (a) Perfect plotting with remarks – 3, (b) Interpretation – 2.]

5

5. Submit your Laboratory Note Books duly signed by the teachers on regular basis of practical work following the syllabus.

[Marks distribution : (a) Histology & Haematology – 3, (b) Anthropometry & Growth Chart – 2.]
More weightage will be given for regular signature and overall coverage of the practical work in the syllabus.] 5

6. Viva - voce. 10

UNIT – 10

[Marks – 50]

(Nutritional Biochemistry)

7. Identify the specific unknown biomolecule present in supplied sample by a series of qualitative test along with confirmative test. [Marks distribution : (a) Correct sequence of test – 5, (b) Identification – 2 (c) Correct confirmative test with correct description – 3] 10

8. Determine acid value of supplied butter/oil sample with principle, protocol (Schematic flow chart and interpret your result.

[Marks distribution : (a) Principle – 2, (b) Protocol – 2, (c) Result with tabulation of reading – 2, (d) Calculation – 2 (e) Accurate amount as per error – 5, (Error up to 5% – 5, within 5 – 10% – 3, within 10% – 15% – 2, exceeding 15% – 0), (f) Interpretation – 2] 15

9. Estimate the amount of calcium present in supplied sample with principle, protocol (Schematic flow chart) and interpret your result. 10

[Marks allotment : (a) Principle and protocol – 2, (b) Tabular presentation of reading – 1, (c) Calculation – 1 (d) Accurate result / amount as per error – 5, (Error upto 5% – 5, within 5% – 10% – 3, within > 10% – 15 – 2, exceeding 15% – 0) (e) Interpretation – 1]

10. Submit your Laboratory Note Books duly signed by the teachers on regular basis of overall practical works as per syllabus.

[Marks distribution : (a) Qualitative biochemistry – 2, (b) Quantitative biochemistry – 3.

More weightage will be given for regular signature and overall coverage of the practical work in the syllabus. 5

11. Viva - voce. 10

