NEW

Part II 3-Tier

2018

NUTRITION

(Honours)

PAPER—V

(PRACTICAL)

Full Marks : 100

Time : 6 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.

Unit—09

[Marks—50]

(*Nutritional Physiology & Anthropometry*)

1. Identify five (5) permanent histological slides marked (A — E), focussed under the Compound Microscope and mention one identifyeing prominent character of each section (slide). 5×2

[Marks distribution : *(a) one appropriate and major character in each slide* — 1×5,

(b) correct identification — 1×5

* Marks are deductable for spelling mistake.]

2. Stain a blood film from your own blood and identify the WBC as dirrected by the examiner. 10

[Marks distribution : *Smear preparation* — 2, *Staining* — 3, Identification — 3, Field description — 2,]

3. Assess the nutrition status of the subject from BMI and W/H ratio. 10

[Marks allotment : *BMI measurement wih correct surface marking of height and measurement — 3, W/H mesurement with correct surface marking of waist and hip — 4, Reference value and Interpretation — 1+2,*

4. Plot a growth curve from supplied data as directed in the provided card (Picked up by lottery) 5

[Marks distribution :
(a) Perfect Plotting with remarks — 3,
(b) Interpretation — 2]

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

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

6. Viva-Voce. 10

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Unit—10

[Marks—50]

(*Nutritional Biochemistry*)

7. Identify the specific unknown biomolecule present in supplied sample by a series of qualitative experiment along with confirmative test. 10

[Marks distribution : *(a) Correct sequence of test* — 5, *(b) Identification* — 2, *(c) Correct confirmative test with correct description* — 3]

8. Estimate total protein by binret method using supplied sample mentioning the principle, protocol (flow chart [schematic]) and interpretation. 15

[Marks distribution : (a) Principle — 2, (b) Protocal — 2, (c) Result with standard readings tabulation — 2, (d) Accurate amount — 7, (Error upto 5% – 7%, within > 5% – 10% – 5, within > 10% – 15% – 3, > 15% – 0), (e) Calculation — 1 (f) Interpretation — 1]

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. 5

[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.*]

11. Viva-Voce. 10

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