2019

Part – II

NUTRITION

(General)

Paper – III

(Practical)

Full Marks – 100

Time : 5 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 – 05

[Marks : 50]

1. Identify two (2) unknown nutrients from your supplied samples by a series of biochemical qualitative tests along with a confirmative test for each. 10×2

   [Marks distribution : Sequential tests – 5×2, Correct identification – 2×2, Confirmative test – 3×2]

2. Identify any one nutrient (mentioned in the card, picked up by lottery), present in the food stuff supplied to you by a suitable qualitative tests. 5

[Marks distribution : Correct test with description – 3, Correct identification – 2]

3. Identify any two adulterants present in the supplied food samples by qualitative biochemical tests. 5×2

[Marks distribution : Correct tests for two – 3×2, Correct identification of two adulternants – 2×2]

4. Submit your laboratory note book, duly signed by the teachers on regular basis of Practical Works as per syllabus. 5

More credits will be given on regular signature and on the basis of all experiments as per syllabus.

No marks will be given without signature of the teachers.

5. Viva-Voce. 10

UNIT – 06

[Marks : 50]

6. Determine haemoglobin concentration of blood by Sahil's haemo-globinometer. 5

[Marks distribution : Correct method – 3, Results with correct unit – 2]

7. Estimate the percentage of lactose present in the supplied sample by Benedict's method and mention the principle and procedure of the protocol. 15

[Marks distribution : Principle – 2, Procedure –2, Results with units & tabulation – 2, Calculation –1; Accurate amount in percentage of error – 8, Error upto 5% – 8, Error about 5% to 10% – 6, Error above 10% to 15% – 4, Error above 15% –2]

8. Calculate the daily energy requirement of your own by computing PAL value or any other method directed by examiner. 10

[Marks distribution : Calculation of PAL–4, Total daily energy–6]

9. Calculate BMI and Upper arm circumference of your subject and interpret your results. 5

[Marks distribution : Correct measurement – 2+1, Calculation –1, Interpretation –1]

10. Submit your Laboratory note book duly signed by your teachers on regular basis of practical works as per syllabus. 5

More weightage will be given on regular signature as well as the performance of all experiments as per syllabus.

No marks will be given without signature of the teachers.

11. Viva-Voce. 10
