

NEW
Part-II 3-Tier
2018

NUTRITION

(General)

PAPER—III

(PRACTICAL)

Full Marks : 100

Time : 5 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.

Answer all questions.

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

(Turn Over)

[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 adulterants—2×2*]

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

- More credit 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 Sahli's haemo-globinometer. 5

[Marks distribution : *Correct method—3,*
Result with correct unit—2]

7. Estimate the percentage of any suitable monosaccharide or disaccharide present in the supplied sample by Benedict's qualitative method and mention the Principle and Procedure of the protocol. 15

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

8. Calculate the daily energy requirement of a person on the basis of BMR and physical activity as directed by examiners. 10

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

9. Calculate BMI and upper arm circumference of your subject and interpret your result. 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
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