

OLD

Part-II 3-Tier

2017

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 present in the supplied samples by sequential biochemical qualitative tests 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 (mention in the card, picked up by lottery), present in the supplied food stuff by qualitative tests. 5

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

3. Identify any two adulterants present in the supplied food stuffs 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 without signature of the teachers.

5. Viva-voce. 10

Unit—06**[Marks—50]**

6. Determine the total hardness of supplied water by soda reagent. 5

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

7. Estimate the percentage of lactose in the supplied sample by Benedict's quantitative method and mention Principle and Procedure of the method. 15

*[Marks distribution : Principle—2, Procedure—2,
Result with units and tabulation—2, Calculation—1,
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 your own by computing PAL value or any other method. 10

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

9. Prepare a middle-cost tiffin for school children with supplied ingredients and calculate the present market value. 5

[Marks distribution : *Correct proportion after taste—2,*
Correct market value—3]

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 without signature of the teachers.

11. Viva-voce. 10
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