

NEW

Part-II 3-Tier

2015

NUTRITION

(General)

PAPER—III

(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.

Answer all questions.

Unit—05

[Marks—50]

1. Identify two (2) unknown nutrients present in the supplied samples by sequential biochemical qualitative

(Turn Over)

tests 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 present in the supplied food stuff by qualitative tests. Choose the sample by Lottery system from selected card. 5

[Marks distribution : Correct test & 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—2×2]

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

5. Viva-voce. 10

Unit—06**[Marks—50]**

6. Determine the percentage of haemoglobin present in blood of a subject provided to you by Sahli's haemoglobinometer.

5

*[Marks distribution : Correct matching of the colour—2,
Correct value \bar{c} units interpretation—3]*

7. Estimate the percentage of Fructose in the supplied sample by Benedict's quantitative method, mentioning with Principle and Procedure.

10

*[Marks distribution : Principle—2, Procedure—2,
Result—2, Calculation \bar{c} unit—2,
Error upto 10%—7, Error above 10% to 15%—5,
Error above 15% to 20%—3, Error above 20%—2]*

8. Calculate your own daily energy requirement considering on the basis of non-occupational, occupational activities and after computation of BSA, BMR (ICMR Prediction equation for male = $14.5 \times \text{B.wt}(\text{kg}) + 645$ /
Female = $14 \times \text{B.wt}(\text{kg}) + 471$)

Formulate diet chart.

10

[Marks distribution : Calculation of BMR & BSA

\bar{c} correct units—2+2, Requirement of Energy

Calculation—3,

Diet chart preparation \bar{c} interpretation—3]

9. Prepare a moderate-cost tiffin for school-going children with supplied ingredients and calculate its market value.

5

[Marks distribution : Correct preparation—3,

Correct market value—2]

10. Submit your Laboratory note book duly signed by the teachers on regular basis of Practical Works.

5

11. Viva-voce.

10