

NEW
Part-III 3-Tier
2016

PHYSIOLOGY

PAPER—VII

(Honours)

(PRACTICAL)

Full Marks : 100

Time : 6 Hours

The figures in the right-hand margin indicate full marks.

Answer all questions.

1. Determine the dissolve CO_2 of the supplied water sample through tritemetric method and calculate the CO_2 concentration of your sample.

Write down the principle, procedure of the method and interpret your result. 15

(Principle — 03, Interpretation — 04, Result & Calculation — 05, Interpretation — 03.)

(Turn Over)

2. Estimate the concentration of serum urea by DAM method.

Write down the principle, schematic procedure of the method and interpret your result with clinical significance. 25

(Principle — 04, Schematic procedure — 05, Tabulation & Calculation — 05, Result (on the basis of accuracy) — 06, Interpretation — 05.)

[Error upto 10% — 06 marks, Error above 10% to 20% — 05 marks, Error above 20% to 30% — 04 marks, Error above 30% — 03 marks]

3. Estimate the total proteins of the supplied milk by Lowry method.

Write down the principle, schematic procedure of the method and interpret your result. 20

(Principle — 03, Schematic procedure — 05, Tabulation & Calculation — 04, Result (on the basis of accuracy) — 06, Interpretation — 02.)

[Error upto 10% — 06 marks, Error above 10% to 20% — 05 marks, Error above 20% to 30% — 04 marks, Error above 30% — 03 marks.]

4. Draw the Bar diagram / Pie chart / Line diagram with complete legend by using MS Excel from the supplied data (obtained by lottery) and submit the print out from a file of word document of your presentation with Roll No. & Data series. 10

(Chart preparation — 04, Legend & Axis title — 04, Roll No. with Data series — 02.)

5. Submit your Diet Survey report as per ICMR specifications duly authenticated by the concerned teacher or head of the department. 10

(Report Preparation — 04, Remarks & Recommendation — 03, Viva on Report — 03.)

6. Submit your Laboratory Note Books duly signed by the respective teachers. 10

(Environmental Physiology — 02, Blood Biochemistry — 03, Analytical Biochemistry — 03, Computer Application — 02.)

[Regularly Signed note books will get more credit & No marks will be given if the LNB is not signed at all.]

7. Viva-Voce. 10
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