Part-III   3-Tier

2017

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 oxygen of the supplied water sample through tritemetric method and calculate the oxygen cocentration 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]

2. Estimate the concentration of inorganic phosphate in the supplied blood by Fiske–Subbarow method. Write down the principle, schematic procedure of this method and interpret your result with clinical singnificance. 25

> [*Principle — 04; Schematic procedure— 05; Tabulation & calculation–05; Result (on the basis of accuracy) — 06, Interpretation–05*]

*(Error upto 10%— 06; Error above 10% to 20% — 05; Error above 20% to 30% — 04 Errors above 30% — 03)

3. Estimate the acid number of the supplied oil.

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

> [*Principle — 03; Schematic procedure — 04; Tabulation & Calculation — 04; Result (on the basis of accuracy) — 07; Interpretation — 02*]

(Error upto 10% — 07; Error upto 10% to 20% — 05; Error above 20% to 30% — 04; Error above 30% — 03)

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

10

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 &
Recomendation — 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]

7. Viva-Voce.

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