

HUMAN PHYSIOLOGY (P.G.)
M.Sc. Third Semester Practical End Examination-2023
(Regular & Supplementary Paper)
PAPER-306

Full Marks: 50

Time: 03 Hrs

The figures in the right hand margin indicate marks
Candidates are required to give their answers in their own words as
far as practicable

Illustrate the answers wherever necessary

[Use separate answer script for each unit]

Unit - 31

[Microbiological Techniques]

F. M-25

1. Examine the amylase production of the supplied bacteria. Interpret your result. Write down the principle and the procedure of the experiment.

[Result-3, Interpretation-1, Principle-1 & Procedure-3]

2+1+1+3=8

2. Determine the catalase activity of the given bacteria. Interpret your results . Write the principle and the procedure of the experiment.

[Principle-1, Procedure-2, Result-3, Interpretation - 1]

1+2+3+1=7

3. Submit the duly signed Laboratory Note Books.. 5
4. Viva - voce 5

Unit – 32

[Experimental Immunology]

F. M-25

*Full Marks: 25**Time: 02 Hrs*

*The figures in the right hand margin indicate marks
Candidates are required to give their answers in their own words as
far as practicable*

Illustrate the answers wherever necessary

1. Write the principle of SRID. Prepare a standard curve for SRID assay from the provided data and calculate the concentration of test antigen P and Q by the kit provided. Interpret your result.
[Principle–2, Standard curve–3, Ag. Cone–P & Q – 1+1, Interpretation–1] 8
 2. Perform DNA agarose gel electrophoresis of the supplied DNA sample. Interpret your result.
[Electrophoresis–5, Interpretation - 2] 7
 3. Submit the duly signed Laboratory Note Books.. 5
 4. Viva - voce 5
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