

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

**PAPER-305**

*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 – 29**

**F.M- 25**

**[Histochemical and Histometric Techniques]**

1. Properly stain and identify the glycogen in the supplied tissue section by PAS staining method. Interpret your observation..  
[Principle–2, Procedure–4, Result and interpretation–2] 2+2+2=8
2. Identify the proteins in the supplied liver section using Mercury Bromophenol Blue method.  
[Principle–2, Procedure–3, Result and interpretation–2] 2+3+2=7
3. Laboratory Note Book. 5
4. Viva - voce 5

**[Experimental Immunology]**

1. Write down the Principle of SRID Prepare a standard curve for SRID assay from the data provided & calculate the concentration of test antigen A & B, by the kit provided.  
[Principle–2, Standard curve Preparation–4, Antigen cone A – 1 & Antigen Cone B – 1] 2+4+1+1=8
  2. Write down the Principle of agglutination test. Determine your own blood group & Rh factor.  
[Principle–2, Blood group determination-3, Rh factor determination–2] 2+3+2=7
  3. Laboratory Note Book. 5
  4. Viva - voce 5
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