

KARIMPUR PANNADEVI COLLEGE  
UG 5th Semester Examination 2022  
Internal Assessment  
CHEMISTRY [HONOURS]  
Course Code: HDSE-T-2A (Analytical)  
Full Marks: 10

Answer any five questions from the following: [2x5=10]

1. What do you mean by stratum of population?
  2. If the letter 'M' is chosen as a random sample without replacement from the consonants of English alphabet, then what will be the probability of picking up 'X' as a sample from rest of the consonants?
  3. What is the difference between accuracy and precision?
  4. Find the median and standard deviation of the following burette readings obtained in a titration process. 14.8 ml, 14.8 ml, 14.7 ml, 15.0 ml, 14.9 ml, 14.9 ml, 14.8 ml.
  5. State Lambert-Beer's law.
  6. In a sample with an absorbance of 1 at a specific wave length, what is the percentage of light was absorbed by the sample?
  7. What is confidence limit?
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