

**UNIVERSITY OF THE PUNJAB, LAHORE**  
**Chemistry (Sample paper)**  
**Part-II A/2020**

**Online Examination:- Associate Degree Prog./B.A-B.Sc**

**Subject:- Chemistry-II**  
**Paper:- B (Applied Chemistry)**

**MAX. MARKS: 40**

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Encircle the most suitable answer from the given options.

1. The possible pH of acid rain is
  - a) 7
  - b) 6.5
  - c) **4.2**
  - d) 5.6
  
2. Starch is a polymer of
  - a)  **$\alpha$ -D-Glucose**
  - b)  $\beta$ -D-Glucose
  - c) Sucrose
  - d) Fructose
  
3. Which of the following analytical technique is used to determine the surface functional groups in organic compounds?
  - a) UV/Vis spectroscopy
  - b) Atomic Absorption spectroscopy
  - c) **FTIR spectroscopy**
  - d) All of these
  
4. When the extraction process is more favourable?
  - a) When the value of  $K_D$  of substance between water and extracting solvent is more in the favour of extracting solvent
  - b) The number of lots are more
  - c) When the extracting solvent is most suitable volatile or crystallizing liquid
  - d) **All of these**
  
5. Five significant figures are there in which of the following?
  - a) **2.3256**
  - b) 13.5678
  - c) 280.021
  - d) 22.00031
  
6. Relative error is
  - a) The difference of measured and accepted value

- b) The difference of measured and true value
  - c) **Ratio of measured minus accepted value divided by true value**
  - d) Express as percent and not ppt.
7. The purification of Brine in Solvay process is
- a) To remove  $\text{CaSO}_4$  only
  - b) **To remove salts of Ca, Mg and Fe**
  - c) To remove dirt particles
  - d) To extract NaCl from brine
8. In manufacturing of iron from haematite, lime stone is added to act as a/an
- a) Slag
  - b) **Oxidizing agent**
  - c) Reducing agent
  - d) Flux
9. Which of the following products is not derived from cellulose
- a) Paper
  - b) Rayon
  - c) Gun Cotton
  - d) **Insulin**
10. Complete hydrolysis of protein produces
- a) Ammonia and carbon dioxide
  - b) Urea and uric acid
  - c) **Mixture of amino acids**
  - d) Glycogen and fatty acids