**Out of the following scientists, who is associated with the theory of enzyme?**

1. Lamarck
2. Charles Darwin
3. Har Govind Khorana
4. **Emil Fischer**

Enzymes are

1. Protein and lipids
2. **Only proteins**
3. Only lipids
4. Proteins and carbohydrates

The apoenzyme and coenzyme collectively produce

1. Co-factor
2. Proenzyme
3. Isoenzyme
4. **Holoenzyme**

The word enzyme was coined by

1. **F.W. Kuhne**
2. Louis Pasteur
3. Traube
4. Willstatter

The specific region of the enzymic protein which is involved in biochemical reaction is called as

1. Active region
2. **Active site**
3. Both a) and b)
4. None of the above

Transfer of photosynthates from sieve tube element to receiver cells of sink is called

1. Phloem loading
2. **Phloem unloading**
3. Translocation of photosynthates
4. All of the above

Which is not a Phloem Component?

1. Sieve plate
2. Sieve tube
3. Companion cell
4. **Tracheids**

Mass flow or pressur flow hypothesis was put forward by

1. Craft
2. **Munch**
3. De vries
4. None of the above

Which of the following is not related to translocation of organic solute in higher plants

1. Protoplasmic streaming theory
2. Interfacial flow hypothesis
3. Activated diffusion hypothesis and electro-osmotic theory
4. **None of the above**

Photosynthates are translocated from sources to sink organs mainly in the form of

1. Glucose
2. Fructose
3. **Sucrose**
4. starch