



Q.1. Give short answers of the following: (15x2=30)

- i. What is the role of vitamin A for formation of Rhodopsin?**
- ii. What is umami taste?**
- iii. What is polyblocksperry?**
- iv. Draw a graph about action potential?**
- v. What is cross bridges? How does it work?**
- vi. Give functions of parathyroid gland hormones?**
- vii. What is heterotrimeric GTP complex? Write its function?**
- viii. What is the chemical nature of pancreatic hormones? Write its function?**
- ix. Enlist hypothalamic inhibitory and releasing hormones?**
- x. What is follicle atresia?**
- xi. What are paracrine and endocrine gland?**
- xii. What are photopigments?**
- xiii. What is second messengers? Enlist some.**
- xiv. What do you know about taste blindness?**
- xv. Write down characteristics of rods and cones photoreceptors?**

Answers the following questions. (3x10=30)

- Q. No. 2: What is pituitary gland? Describe its different hormones along with functions?**
- Q. No. 3: Write a note on signal transduction pathways?**
- Q. No. 4: Describe different physiological roles of thyroid hormones.**