

EXPERIMENT 12: COORDINATION**Course Learning Outcome:**

Solve basic problems related to transport system processes, mechanisms for adaptations in living things, ecological and environmental issues in biology.

(C3, PLO 2, CTPS 3, MQF LOC ii)

Learning Outcomes:

At the end of this lesson, students should be able to:

- i. Define coordination
- ii. State the component of nervous system
- iii. Describe the concept of reflex action

Student Learning Time:

Face-to-face	Non face-to-face
1 hour	1 hour

Direction: Read over the lab manual and then answer the following questions.

**Check this out:**

After year of multiple broken bones, Michael J. Fox says he has one mission: "Don't fall down". Known for his roles as Alex Keaton in the sitcom "Family Ties" and Marty McFly in the "Back to the Future" franchise, Fox was diagnosed with Parkinson's disease in 1991 when he was 29 years old. He went public with his diagnosis seven years later and has been vocal and active in raising awareness about the illness ever since. In his 2020 memoir "No Time Like the Future: An Optimist Considers Mortality," Fox, now 61, said 2018 was the worst year of his life, according to People Magazine, as he had a tumor removed in a spinal-cord surgery and broke his left arm. But this past year, he told People, "got worse."

Find out more about Parkinson's disease, scan the QR code.

**Introduction**

1. Define coordination

2. (a) List the component of central nervous system.

(b) List the component of peripheral nervous system.

3. Give examples of sensory organs and state the function of sensory organs

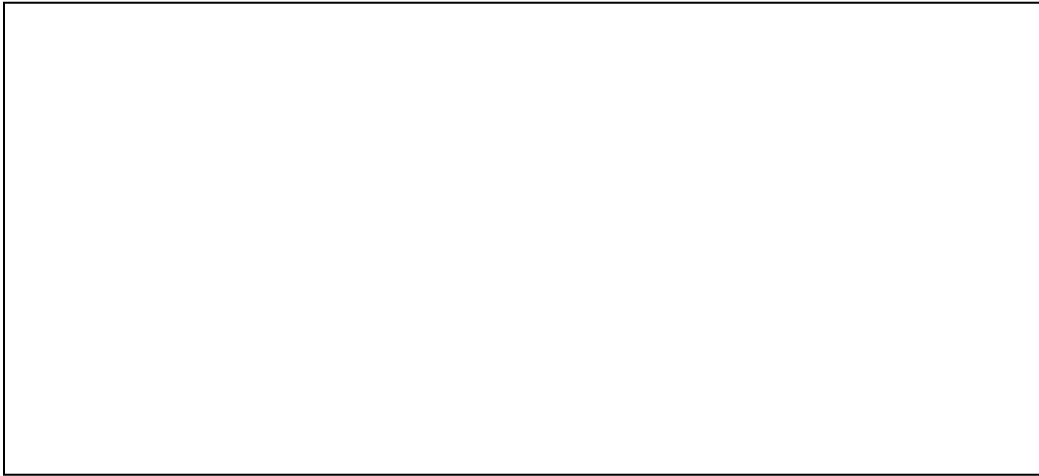
4. Explain how an effector can bring about response in coordination.

5. State the type of tastes that our tongue can detect.

6. Where are taste bud location and how are they different over the tongue?

7. State the **TWO** types of reflex action.

8. Draw and label a diagram of reflex arc.



9. Explain a knee jerk reflex.

10. What happen to the eye when someone look at an object that is in the dark?
