<u>CONTROL AND CO - ORDINATION</u> <u>FORMATIVE ASSESSMENT I</u> <u>Q. PAPER</u>

MARKS-30

TIME- 70 MINUTES

Instructions:

- Questions : 1 to 5 1 Mark each
- Questions : 6 to 9 2 Marks each
- Questions : 10 to 13 3 Marks each
- Question 14 5 Marks
- 1. Which endocrine gland is unpaired?
- 2. Which part of the brain controlled posture and balance of the body?
- 3. Where in a neuron, conversions of electrical signal to a chemical signal occur?
- 4. Which gland secretes digestive enzyme as well as hormones?
- 5. We suddenly withdraw our hand when a pin pricks. Name the type of response involved in this action.
- 6. What is a tropic movement? Explain with an example.
- 7. What will happen if intake of iodine in our diet is low?
- 8. Draw the structure of neuron and label the following on it:
 - a. Nucleus
 - b. Dendrite
 - c. Cell body
 - d. Axon
- 9. Why are some patients of diabetes treated by giving injections of insulin?
- 10. Why is the flow of signals in a synapse from axonal end of one neuron but not the reverse?
- 11. What are reflex actions? Explain reflex arc.
- 12. What are the major parts of the brains? Mention the functions of each.
- 13. How does chemical co ordination take place in animals?

14.

- a. Name the various plant hormones.
- b. Give physiological effects of hormones on plant growth and development.

HOTS QUESTIONS (SOLVED / UNSOLVED)

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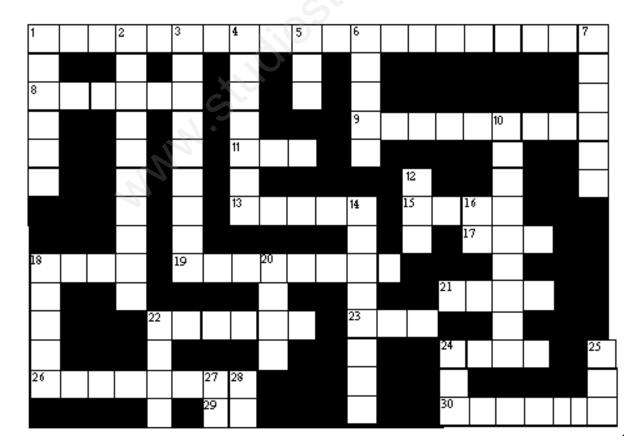
- Q1. Which hormone:
- 1. prepares the body for action?
- 2. controls the amount of sugar (glucose) in blood?
- 3. brings about changes in boys at puberty?
- 4. brings about changes in girls at puberty?
- Ans. a) Adrenaline b) Insulin
 - c) Testosterone d) Oestrogen
- Q2. i) Name the hormone produced by thyroid gland.
 - ii Which mineral is necessary for the synthesis of the above hormone?
 - iii Name the disease suffer from the deficiency of this mineral.
 - iv Write the function of the above hormones?
- Q3. What is chemotropism? Give one example of chemotropism.

ORAL QUESTIONS

- 1. What is the basic unit of nervous system?
- 2. How do neuron conduct message from brain to other parts?
- 3. What do you mean by CNS?
- 4. What are its main parts?
- 5. Which part controls reflex action?
- 6. What are endocrine glands?
- 7. What is the secretion of endocrine gland called?
- 8. Name a gland of human body which secretes both enzymes and hormone.
- 9. Which plant hormone helps in cell division?
- 10. Which hormones help on stem elongation?

<u>QUIZ</u>

- 1. Which system of our body is made of organised network for conducting information in the body?
- 2. Which part of the neuron receives information?
- 3. What is the name of the neuron which remains between the sensory neuron and the motor neuron? Where is it located?
- 4. Which part of the brain helps us to do activities like riding a cycle and walking in a straight line?
- 5. What are two major types of muscles we have?
- 6. What causes change in leave of 'touch me not' plant?
- 7. Which hormone helps us to prepare to combat adverse condition?
- 8. Name a female sex organ which produces gametes as well as female hormone.



CROSS WORD PUZZLE: NERVOUS SYSTEM

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ACROSS

Clues

- 1. Composed of the brain and spinal cord (3 words).
- 8. Contains photoreceptors; on the inner posterior portion of eye.
- 9. "Inside the mouth"
- 11. Electrical brain activity recorded with scalp or brain electrodes (abbreviation).
- 13. Necessary for hearin
- 17. Neurotransmitter in brain, spinal cord and peripheral nervous system (abbreviation).
- 18. Outermost layer of meninges.
- 19. Neurotransmitter lacking in patients with Parkinson's disease.
- 21. Supportive cells of the nervous system; "glue".
- 22. Nerve cell.
- 23. Photoreceptor that is not used for color vision.
- 24. Photoreceptor that is used for color vision.
- 26. The sense of hearing.
- 29. Opposite of "Yes"
- 30. Junction between two neurons.

DOWN

- 1. In the brain, it is the outermost layer of the gray matter.
- 2. The fifth cranial nerve.
- 3. The middle layer of the meninges.
- 4. The part of the cell containing chromosomes.
- 5. Period of sleep when dreams occur (abbreviation).
- 6. The second cranial nerve.
- 7. Fat-like substance that surrounds some axons.
- 10. The first cranial nerve.
- 12. Fluid that fills the ventricles (abbreviation).
- 14. Part of neuron that takes information TO the cell body.
- 16. Short for "mother".
- 18. Electrical brain activity between 2 and 4 Hz.
- 20. Part of neuron that takes information AWAY from the cell body.
- 22. A short written letter.
- 24. Abbreviation for 1 across.
- 25. Organ for vision.
- 27. Opposite of "off".
- 28. Opposite of "yes".

ANSWERS: CROSS WORD PUZZLE: NERVOUS SYSTEM

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