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XI – BIO-ZOOLOGY

WORKSHEET - II

I. Choose the correct answers:

50X1=50

1. Statoreceptors are meant for sensing

- (1) Taste (2) Heat (3) Balance (4) Sound waves

2. The part of the neuron through which information travels as an impulse is

- (1) Dendrite (2) Axon (3) Cell body (4) Nerve ending

3. The sequence of a reflex arc is

- (1) Receptor → Sensory neuron → Motor neuron → Effector → Response
(2) Effector → Sensory neuron → Motor neuron → Receptor → Response.
(3) Effector → Motor neuron → Interneuron → Receptor → Response
(4) Receptor → Motor neuron → Sensory neuron → Effector → Response

4. The respiratory centre of the brain is located in

- (1) Medulla oblongata (2) Pons (3) Cerebellum (4) Cerebrum

5. Spinal cord is the part of

- (1) Autonomous nervous system (2) Peripheral nervous system
- (3) Somatic nervous system (4) Central nervous system

6. The largest and well developed part of the brain is

- (1) Cerebellum (2) Cerebrum (3) Mid brain (4) Medulla

7. The part of brain which is known as 'master of master gland'.

- (1) Hypothalamus (2) Pituitary gland
- (3) Cerebrum (4) Cerebellum

8. Which part of the brain control the posture and balance of the body?

- (1) Cerebrum (2) Medulla (3) Cerebellum (4) Pons varoli

9. The cells which help in colour vision is

- (1) Cones (2) Ganglion cells (3) Bipolar cells (4) Pods

10. Find out the incorrect statement.

- (1) The organ of corti is present on the basilar membrane in the cochlea.
- (2) Rods contain pigmented protein called rhodopsin which helps in dim light vision.
- (3) The tongue contains gustatory receptors for sweet, salt, sour and bitter.
- (4) Macula and cristae are present in the inner ear which function in hearing.

11. The hormone known as 'birth hormone' is

- (1) Prolactin (2) Oxytocin (3) Progesterone (4) Relaxin

12. Somatotropins are secreted by

- (1) Hypothalamus (2) Pineal (3) Thymus (4) Pituitary

13. The hormones with antagonistic action are

- (1) Adrenaline and Non-adrenaline
(2) Glycocorticoid and Mineralocorticoid
(3) Insulin and Glucagon
(4) Thymosin and Parathormone

14. The hormone responsible for changes in female at puberty is

- (1) Estrogen (2) Progesterone (3) Testosterone (4) Oxytocin

15. Dwarfism results due to deficiency of the hormone

- (1) Somatostatin (2) Thyroxine
(3) Somatotropin (4) Mineralocortodoid

16. The follicle stimulating hormone (FSH) is secreted by

- (1) Thyroid (2) Anterior pituitary
(3) Posterior pituitary (4) Hypothalamus

17. Ovulation in female is controlled by

- (1) Estrogen (2) Progesterone
(3) Follicle Stimulating Hormone (4) Lutenising Hormone

18. The hormone produced by intermediate lobe of pituitary is

- (1) Oxytocin (2) Vasopressin
(3) Melanocyte stimulating hormone (MSH)
(4) Follicle stimulating hormone (FSH)

19. Dwarfism results due to

- (1) Excess secretion of thyroxine
- (2) Lower secretion of growth hormone
- (3) Higher secretion of growth hormone
- (4) Hypo secretion of adrenaline

20. The type of vision which helps organisms to be visualized at dim light is

- (1) Scotopic vision
- (2) Photopic vision
- (3) Mosaic vision
- (4) Binocular vision

21. Select the wrong paired match from the following.

- (1) CNS – Site of information processing and control
- (2) PNS – Transmission of impulses to and from the CNS
- (3) SNS – Relays impulses from the CNS to skeletal muscles
- (4) ANS – Transmission of impulses from the CNS to voluntary organs

22. The main mineralocorticoid seen in human is

- (1) Adrenaline
- (2) Testosterone
- (3) Androsterone
- (4) Aldosterone

23. The hormone which regulates basal metabolic rate (BMR) of the body.

- (1) Thyroid hormone
- (2) Thymosin
- (3) Corticoid
- (4) Pituitary hormone

24. Select the incorrect pairs from the following.

- A. Melanocyte stimulating hormone regulates skin pigmentation.
- B. Diurnal rhythm of our body is regulated by the hormone melatonin.
- C. The main glucocorticoid present in our body is cortisol.
- D. Calcitonin is secreted by parathyroid gland.
- E. Iodine is essential for the synthesis and secretion of parathyroid hormones.

(1) A, C and D

(2) A, B and D

(3) D and E

(4) B and D

25. Choose the peptide hormone from the following.

- (1) Adrenaline (2) Insulin (3) Testosterone (4) Thyroxine

26. The hormone known as pregnancy hormone is

- (1) Prolactin (2) Oxytocin (3) Estrogen (4) Progesterone

27. The brain is responsible for

- (1) Thinking (2) Regulation of heart beat
(3) Thermo regulation (4) All 1, 2 and 3

28. Salivation at the sight of smell of food is

- (1) Peristalsis (2) Reflex action
(3) Sympathetic action (4) Parasympathetic action

29. Diabetes insipidus is due to the deficiency of hormone

- (1) ADH (Anti Diuretic Hormone) (2) Insulin
(3) Glucagon (4) Cortisol

30. Which of the following statements about nerve impulse transmission is incorrect?

- (1) Nerve impulse travels from dendrites end to axonal end.
- (2) The chemical released from axonal end of one neuron crosses the synapse and generates impulse in dendrite of other neuron.
- (3) At dendrite end, electrical impulses bring about the release of neurotransmitters which generate an electric impulse at the axonal end of another neuron.
- (4) A neuron transmits electrical impulses not only to another neuron but also to muscle and gland cells.

31. Spinal cord originates from

- (1) Cerebrum
- (2) Medulla
- (3) Pons
- (4) Cerebellum

32. The activity of brain is generally recorded by

- (1) ECG
- (2) MRI scan
- (3) CT scan
- (4) EEG

33. The source of progesterone is

- (1) Corpus luteum
- (2) Ovary
- (3) Ovarian follicle
- (4) Uterus

34. Select the wrongly paired match.

- (1) Parietal lobe – Touch, smell, temperature and conscious association
- (2) Occipital lobe – Visual reception
- (3) Frontal lobe – Sexual behaviour and emotions
- (4) Temporal lobe – Auditory reception

35. Hormone responsible for the development of moustache and beard in man is

- (1) Sex corticoid (2) Testosterone (3) Thyroxine (4) Thymosin

36. The impulse of sound is conducted to the brain by

- (1) Olfactory nerve (2) Auditory nerve
(3) Optic nerve (4) Trachea nerve

37. The waxy substance which coats the surface of auditory canal is

- (1) Mucus (2) Plasma (3) Endolymph (4) Cerumen

38. Tectorial membrane is found in

- (1) Brain (2) Eye (3) Ear (4) Digestive tract

39. Short sightedness is otherwise known as

- (1) Myopia (2) Hypermyopia (3) Astigmatism (4) Presbyopia

40. An animal having more rods will be

- (1) Active during day (2) Active during night
(3) Have colour vision (4) Equally active during day and night.

41. Circadian rhythm is regulated by

Melatonin

42. The two lateral lobes of the pituitary gland is connected by

Isthmus

43. goitre is a genetic disorder.

Sporadic goitre

44. Iodine deficiency causes.....

Hypothyroidism

45. PTH is a

Hypercalcemic hormone

46. Hypothalamus and pituitary are connected by

Hypothalamic hypophyseal portal blood vessel

47. The posterior pituitary is connected with hypothalamus by a nerve bundle called

Hypothalamic hypophyseal axis

48. MSH induces.....

Pigmentation of the skin

49. ACTH secretion is regulated by

Negative feedback mechanism

50. Epiphysis cerebri or conarium otherwise called as.....

Pineal gland

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