**Q1- In a synapse chemical signal is transmitted from \_\_\_\_\_\_.**

A) from dendrite of one neuron to axonal end of other neuron

B) axon to cell body of same neuron

C) cell body to axonal end of same neuron

D) axonal end of one neuron to dendrite of another neuron

**D**

**Q2- In a neuron, conversion of electric signal to chemical reaction occurs at \_\_\_\_\_\_.**

A) cell body

B) dendritic end

C) axonal terminals

D) axon

**C**

**Q3- Impulse flows from \_\_\_.**

A) dendrite to axon in same neuron

B) axon to dendrite

C) nodes of ranvier to axon

D) none

**A**

**Q4- Which statement is wrong:**

A) sudden action in response to something in environment is called reflex action

B) The path through which signals are transmitted from receptor to muscle is called reflex arc

C) Motor neurons carry signal from spinal cord to effector organs

D) Sensory neurons carry impulse from effector to receptors

**D**

**Q5- The growth of tendrils in pea plant is due to \_\_\_\_.**

A) effect of gravity

B) effect of chemicals

C) rapid cell divisions in tendriller cells that are away from support

D) rapid cell division in tendriller cells in contact with the support

D

**Q6- The shape of guard cells changes due to change in \_\_\_.**

A) Protein composition of cells

B) temperature of cells

C) amount of water in cells

D) position of nucleus in cells

**C**

**Q7- The substance that triggers the fall of mature leaves and fruits from plants is \_\_\_\_.**

A) Auxin

B) Gibberellin

C) Abscisic acid

D) Cytokinin

**C**

**Q8- Which of the following is plant hormone ?**

A) insulin

B) thyroxine

C) oestrogen

D) cytokinin

**D**

**Q9- The movement of root away from light is:**

A) Positive phototropism

B) negative phototropism

C) negative hydrotropism

D) positive hydrotropism

**B**

**Q10- Cretinism results due to :**

A) Excess secretion of growth hormone

B) under secretion of thyroxin

C) excess secretion of adrenaline

D) under secretion of growth hormone

**B**

**Q11- The gap between two neurons is :**

A) dendrite

B) synapse

C) axon

D) impulse

**B**

**Q12- The brain is responsible for -----------------.**

A) Balancing of body

B) Thinking

C) Regulating heart beat

D) All

**D**

**Q13- Which is not true about brain:**

A) there are lobes in fore brain

B) Centres of hearing, smell, memory are located in fore brain

C) Involuntary actions are controlled by medulla in hind brain

D) Cerebellum does not control postures

**D**

**Q14- Involuntary actions in the body are controlled by \_\_\_.**

A) Medulla in fore brain

B) medulla in mid brain

C) medulla in hind brain

D medulla in spinal cord

**C**

**Q15- Which of the following pairs of brain part and its function are not correctly**

**matched?**

A) Pons -consciousness

B) cerebrum-memory and intelligence

C) cerebellum -balancing and posture

D) medulla -involuntary actions

A

**Q16- In humans the life process is regulated and controlled by \_\_\_\_\_\_\_.**

A) Reproductive and endocrine systems

B) Respiratory and Nervous systems

C) endocrine and digestive systems

D) nervous and endocrine system

**D**

**Q17- Choose incorrect statement about insulin**

A) It is produced by pancreas

B) it regulates the growth and development of body

C) it regulates blood sugar level

D) deficiency causes diabetes

**B**

**Q18- Select the mismatched pairs :**

A) Adrenaline-pituitary gland

B) Testosterone -testes

C) Estrogen -ovary

D) Thyroxine -thyroid gland

**A**

**Q19- Rhythm of sleep in our body is controlled by \_\_.**

A) Thymus gland

B) Pineal gland

C) ACTH

D) ADH

**D**

**Q20- Which of the following endocrine glands is unpaired?**

A) Adrenal

B) Pituitary

C) Testes

D) Ovary

**D**

**Q21- When a person is suffering from cold, he can not \_\_\_\_\_\_\_\_.**

A) Differentiate the taste of an apple from that of ice cream

B) Differentiate the smell of a perfume from that of agarbatti

C) Differentiate red light from green light

D) Differentiate a hot object from a cold object

**B**

**Q22- Dramatic changes in body features are associated with puberty that are mainly**

**because of the secretion of \_\_\_\_\_.**

A) estrogen from testes and testosterone from ovary

B) estrogen from adrenal gland and testosterone from pituitary

C) estrogen from ovary and testosterone from testes

D) estrogen from pituitary and testosterone from thyroid

**C**

**Q23- Which of the following statements is correct about receptors?**

A) Gustatory receptors detect taste while olfactory receptors detect smell

B) Both gustatory and olfactory receptors detect smell

C) Auditory receptors detect smell and olfactory receptors detect taste

D) Olfactory receptors detect taste and gustatory receptors smell

**A**

**Q24- In a neuron, conversion of electrical signal to a chemical signal occurs in:**

A) cell body

B) axonal end

C) axon

D) dendrite

**B**

**Q25- The main function of abscisic acid in plants is to \_\_\_\_\_.**

A) increase length of plant

B) promotes growth of plant

C) inhibits growth of plant

D) promotes growth of stem

**B**

**Q26- The growth of pollen tubes towards ovules is due toV\_\_\_\_.**

A) hydrotropism

B) phototropism

C) chemotropism

D) geotropism

**C**

**Q27- The substance that triggers the fall of mature leaves and fruits from plants is \_\_\_\_.**

A) Auxin

B) gibberellin

C) cytokinin

D) Abscisic acid

**C**

**Q28- Which of the following is not an involuntary action?**

A) salivation

B) chewing

C) heart beat

D) vomiting

**B**

**Q29- Which statement is not true about thyroxin?**

A) Iron is essential for the synthesis of thyroxin

B) It regulates carbohydrates, protein and fat metabolism in the body

C) Thyroid gland requires iodine to synthesise thyroxin

D) Thyroxin is also called thyroid hormone

**A**

**Q30- Dwarfism results due to \_\_\_\_\_.**

A) Excess secretion of thyroxin

B) Less secretion of growth hormone

C) Less secretion of adrenaline

D) Excess secretion of growth hormone

B

**Q31- A doctor advised a person to take an injection of insulin because-------.**

A) His blood pressure was low

B) His heart was beating slowly

C) He was suffering from goitre

D) His sugar level in blood was high

**D**

**Q32- The hormone which increases the fertility in males is called \_\_\_\_\_\_.**

A) estrogen

B) Testosterone

C) growth hormone

D) Bile juice

B

**Q33- The nervous system is divided into the \_\_\_\_and the \_\_\_ ;the former consists of**

**\_\_\_\_**

**and the latter consists of \_\_\_\_\_.**

A) CNS, PNS, the brain and spinal cord; nerves around the body

B) CNS, PNS, the nerves around the body; the ventricles

C) ANS, PNS, the nerves around the body; the ventricles

D) ANS, CNS, the nerves around the body; the brain and spinal cord

**A**

**Q34- The brain's supporting cells are called \_\_\_\_\_.**

A) Neurons

B) Mitochondria

C) Nuclei

D) Glial cells

**A**

**Q35- Which is not a part of neuron ?**

A) synaptic cleft

B) lobe

C) dendrite

D) nucleus

B

**Q36- The point at which the terminal button and another neuron communicate is called**

**\_\_\_\_;communication here is made possible by the release of \_\_\_\_.**

A) Axon hillock,hormones

B) Presynaptic membrane ,neurotransmitter

C) synapse ,neurotransmitter

D) synapse , hormones

**C**

**Q37- \_\_\_\_ covers most of the axon, it is important because it \_\_\_**

A) Synovial fluid, facilitates electrical conduction of nerve cells

B) mylein, facilitates the release of neurotransmitter

C) CSF, increases conduction of impulse

D) membrane potential, increases conduction of impulse

B

**Q38- The spaces between the covered part of neurons :**

A) Nodes of Ranvier

B) vessicles

C) ventricles

D) synaptic cleft

**A**

**Q39- Neurons communicate by sending electrical impulses called \_\_\_\_\_.**

A) membrane potentials

B) action potentials

C) neurotransmitters

D) neuromodulators

**C**

**Q40- Adrenaline, noradrenaline, serotonin are called ?**

A) Amines

B) neurotransmitters

C) nero actors

D) none

**B**

**Q41- What is the role of schwann cells in neuron ?**

A) Thermal insulation of neural axons

B) limit the speed of action potential

C) Enhance the speed of impulse

D) All

**A**

**Q42- The skeletal muscles are controlled by which nervous system ?**

A) somatic N.S

B) Autonomic N.S

C) glial cells

D) all

**B**

**Q43- \_\_\_\_\_ consists of brain and spine.**

A) CNS

B) PNS

C) ANS

D) AAS

**A**

**Q44- Nerves throughout the body other than Brain and spinal cord form \_\_\_.**

A) CNS

B) PNS

C) ANS

D) AAS

**B**

**Q45- Groups of neurons that make hundreds of synaptic connections with each other**

**and work together are \_\_\_\_\_\_.**

A) ganglia

B) neuronal pool

C) Autonomic system

D) somatic system

**A**

**Q46- \_\_\_\_ conducts impulse from peripheral body parts to brain .**

A) sensory nerve

B) motor nerve

C) interneurons

D) microglia

**A**

**Q47- \_\_\_\_ are multipolar and conduct impulse out from spinal cord .**

A) neuroglia

B) neurolemma

C) schwann cells

D) motor neuron

**D**

**Q48- \_\_\_\_\_ receives the sensory impulses and conveys to proper part of brain for**

**further processes.**

A) Hypothalamus

B) cerebrum

C) cerebellum

D) medulla

**A**

**Q49- Damage of cerebellum will most affect the career of :**

A) architect

B) teacher

C) librarian

D) athlete

**D**

**Q50- Without \_\_\_ the two sides of brain won&#39;t work ?**

A) frontal lobe

B) cerebral cortex

C) thalamus

D) corpus callosum

D