
Contents

Nervous Tissue	4
Contents of nervous system	4
Term for packing cells in nervous system	4
Term for epithelial cells in nervous system	4
Nuroglia in nervous system	4
Ependymal in nervous system	4
Nerve in nervous system	4
Fasicula in nervous system	4
Term for bundles of nerves in nervous system	5
Endoneurium in nervous system	5
Function of endoneurium in nervous system	5
Delicate interconnective tissue surrounding the nerve fibers	5
Perineurium in nervous system	5
Function of perineurium in nervous system	5
Tubular sheath of connective tissue surrounding fascicula in nervous system	5
Epineurium in nervous system	5
Function of epineurium in nervous system	5
Connective tissue surrounding the nerve in nervous system	6
Neuron	6
Structural and functional unit of nervous system	6
Nature of origin of neuron	6
Occurrence of cell division in neuron	6
Cause of absence of cell division in neuron	6
Longest cell in human body	6
Maximum length of neuron	6
Number of parts of neuron	6
Parts of neuron	7
Cyton	7
Range of length of cyton	7
Terms for cyton in nervous tissue	7
Contents of cyton in nervous tissue	7
Nissl's granules in nervous system	7
Function of Nissl's granules in nervous system	7
Matter formed by cyton in nervous system	8

Location of grey matter in brain in nervous system	8
Location of grey matter in spinal cord in nervous system	8
Dendrites	8
Structures absent in dendrites but present in axon in nervous system	8
Approximation of Length of dendrites in nervous system	8
Branching in dendrites in nervous system	8
Quantity of dendrites in nervous system	8
Function of dendrites in nervous system	9
Axon	9
Quantity of axon in nervous system	9
Approximation of Length of axon in nervous system	9
Shape of axon in nervous system	9
Nature of process of axon in nervous system	9
Structure of origin of axon in nervous system	9
Axon hillock in nervous system	9
Term for cone shaped portion of cyton	9
Axoplasm in nervous system	10
Term for cytoplasm of axon in nervous system	10
Axolemma in nervous system	10
Term for cell membrane of axon in nervous system	10
Myelin sheath in nervous system	10
Composition of myelin sheath in nervous system	10
Colour of myelin sheath in nervous system	10
Function of myelin sheath in nervous system	10
Times by which the speed of conduction is greater in myelinated axon in nervous system	10
Schwann cells in nervous system	11
Cells secreting myelin sheath in nervous system	11
Neurilemma in nervous system	11
Term for outer covering of Schwann cells in nervous system	11
Function of schwann cells in nervous system	11
Nodes of Ranvier in nervous system	11
Term for gaps between two segments where no myelin sheath is present in nervous system	11

Telodendria in nervous system	11
Term for terminal part of axon in nervous system	12
Contents of telodendria in nervous system	12
Functions of neurotransmitters in telodendria in nervous system	12
Synapse in nervous system	12
Term for gaps between two neurons	12
Synapsis for nervous system	12
Term for process of transmission of impulse from one neuron to another in nervous system	12
Direction of flow of impulse in nervous system	12

Nervous Tissue

Contents of nervous system

- Neuron
- Processes of neuron
- Packing cells
- Epithelial cells

Term for packing cells in nervous system

Nuroglia

Term for epithelial cells in nervous system

Ependymal

Nuroglia in nervous system

Packing cells

Ependymal in nervous system

Epithelial cells

Nerve in nervous system

Elongated bundle of fibres

Fasicula in nervous system

Bundle of nerve fibres

Term for bundles of nerves in nervous system

Fasicula

Endoneurium in nervous system

Delicate interconnective tissue surrounding the nerve fibres

Function of endoneurium in nervous system

Surround nerve fibres

Delicate interconnective tissue surrounding the nerve fibers

Endoneurium

Perineurium in nervous system

Tubular sheath of connective tissue surrounding fascicula in nervous system

Function of perineurium in nervous system

Surround fascicula

Tubular sheath of connective tissue surrounding fascicula in nervous system

Perineurium

Epineurium in nervous system

Connective tissue sheath insulating nerve

Function of epineurium in nervous system

Insulate nerve

Connective tissue surrounding the nerve in nervous system

Epineurium

Neuron

Structural and functional unit of nervous system

Structural and functional unit of nervous system

Neuron

Nature of origin of neuron

Ectodermal

Occurrence of cell division in neuron

Absent

Cause of absence of cell division in neuron

Absence of centrioles

Longest cell in human body

Neuron

Maximum length of neuron

1m

Number of parts of neuron

3

Parts of neuron

- Cyton
- Axon
- Dendrites

Cyton

Cell body of neuron

Range of length of cyton

4 micro meter - 135 micro meter

Terms for cyton in nervous tissue

- Perikaryon
- Soma

Contents of cyton in nervous tissue

- Cytoplasm
- Nucleus
- Cell organells
- Nissl's granules

Nissl's granules in nervous system

RNA rich structures

Function of Nissl's granules in nervous system

Synthesize protein

Matter formed by cyton in nervous system

Grey matter

Location of grey matter in brain in nervous system

Periphery

Location of grey matter in spinal cord in nervous system

Central

Dendrites

Short branched elongated cytoplasmic processes surrounding cyton

Structures absent in dendrites but present in axon in nervous system

- Myelin sheath
- Terminal ends

Approximation of Length of dendrites in nervous system

Short

Branching in dendrites in nervous system

Branched

Quantity of dendrites in nervous system

Many

Function of dendrites in nervous system

- Conduct impulse towards cyton

Axon

- Single, long cylindrical cytoplasmic process of neuron

Quantity of axon in nervous system

Single

Approximation of Length of axon in nervous system

Very long

Shape of axon in nervous system

Cylindrical

Nature of process of axon in nervous system

Efferent

Structure of origin of axon in nervous system

Axon hillock

Axon hillock in nervous system

Cone shaped portion of cyton

Term for cone shaped portion of cyton

Axon hillock

Axoplasm in nervous system

Cytoplasm of axon

Term for cytoplasm of axon in nervous system

Axoplasm

Axolemma in nervous system

Cells membrane of axon

Term for cell membrane of axon in nervous system

Axolemma

Myelin sheath in nervous system

- White fatty substance covering axon

Composition of myelin sheath in nervous system

Fat

Colour of myelin sheath in nervous system

White

Function of myelin sheath in nervous system

Cover axon

Times by which the speed of conduction is greater in myelinated axon in nervous system

20

Schwann cells in nervous system

Cells secreting myelin sheath

Cells secreting myelin sheath in nervous system

Schwann cells

Neurilemma in nervous system

Outer covering of schwann cells

Term for outer covering of Schwann cells in nervous system

Neurilemma

Function of schwann cells in nervous system

Cover myelin sheath

Nodes of Ranvier in nervous system

Gap between myelin sheath

Term for gaps between two segments where no myelin sheath is present in nervous system

Nodes of Ranvier

Telodendria in nervous system

Terminal part of axon

Term for terminal part of axon in nervous system

Telodendria

Contents of telodendria in nervous system

Synaptic knobs

Functions of neurotransmitters in telodendria in nervous system

Conduct impulse

Synapse in nervous system

Gap between two neurons

Term for gaps between two neurons

Synapse

Synapsis for nervous system

Process of transmission of impulse from one neuron to another in nervous system

Term for process of transmission of impulse from one neuron to another in nervous system

Synapsis

Direction of flow of impulse in nervous system

Unidirectional