

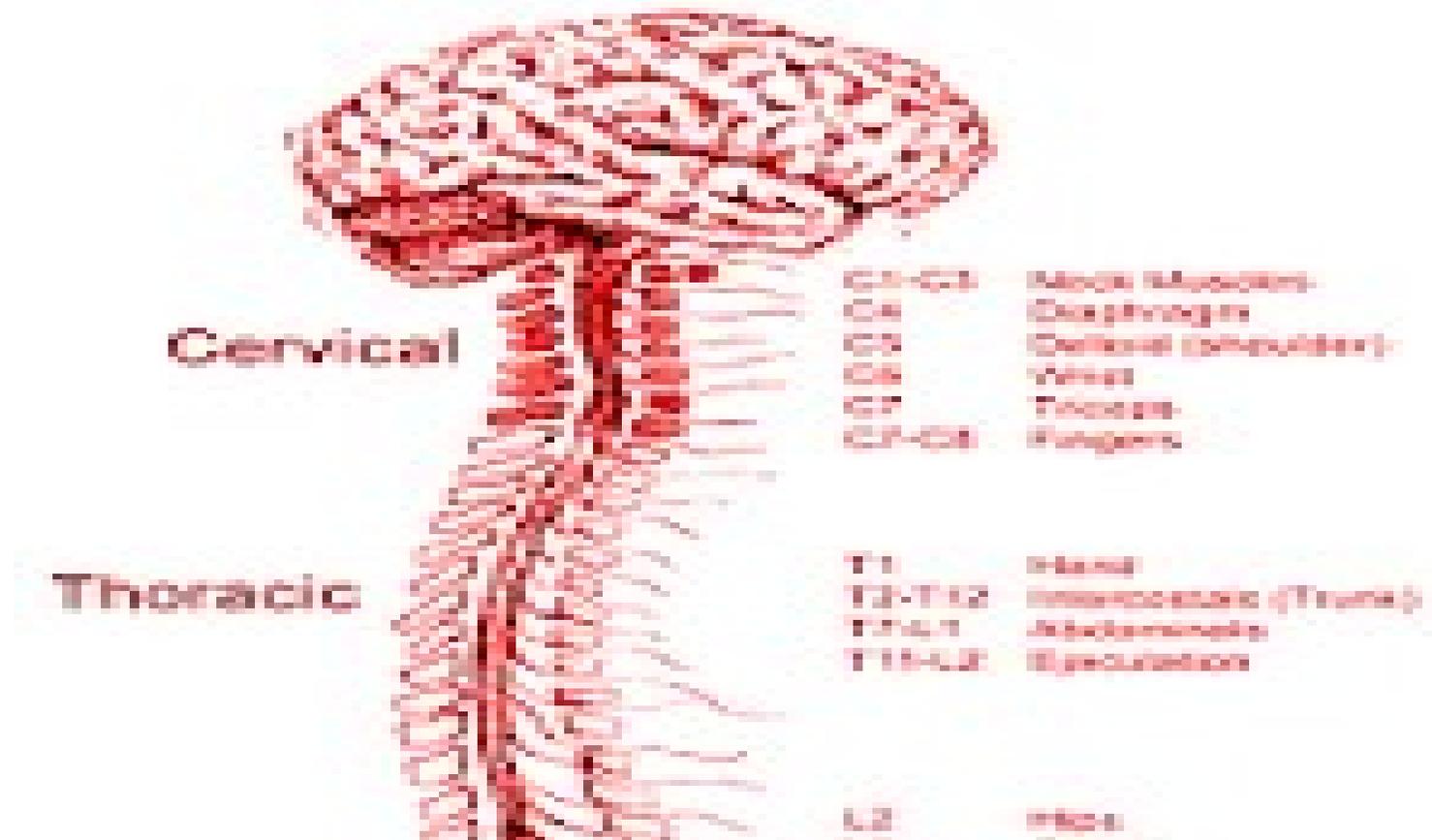
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# CNS( Spinal cord)

U. G. Sem –6  
MJC Paper – 11  
Biopsychology

# Spinal cord



# Spinal cord

- ▶ Spinal cord is a cylinder-shaped tube of tissue that runs through the center of your spine, from your brainstem to your lower back.



## Cont...

- ▶ It's made of nerves and cells that carry messages from your brain to the rest of your body.



# Main parts

- ▶ Spinal cord has three areas that match the three sections of spine:
- ▶ Cervical ( neck).
- ▶ Thoracic ( upper back).
- ▶ Lumbar ( lower back).



# Cont...

- ▶ There are 31 nerves connected to spinal cord.
- ▶ Eight cervical nerve pairs
- ▶ Twelve thoracic nerve pairs
- ▶ Five lumbar nerve pairs
- ▶ Five sacral nerve pairs



# Main function

- ▶ Controlling your body's movements and functions
- ▶ Reporting senses to brain
- ▶ Managing reflexes



# Cont...

- ▶ spinal cord is covered in layers of tissue called meninges . These protective tissues include:
- ▶ Dura mater: The outer layer that protects your spinal cord from injury.
- ▶ Arachnoid mater: The middle layer.
- ▶ Pia mater: The deepest inner layer.

