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## SECTION - A

QNO 1

PART → A

The possible diagnosis is Cerebrovascular disease or cerebrovascular accident (CVA)

PART → B

If left side of the patient brain is damaged, Right side of the visual field will damage.

L hemiparesis = R CVA  
R hemiparesis = L CVA

→ L side damage = loss of R visual field

Why?

When any artery of the brain is damaged, the bleeding occurs inside the brain and blood clots form. This damage results in weakness and paralysis on the opposite side of the body due to the

Crossover of the Cortico-spinal tracts in the medulla.

QNO21

PART → A +

(Beta-amyloid protein) is the protein that penetrates the neuron's membrane and cause damage to the brain leading to Alzheimer's disease.

PART → B +

Amphotrophic lateral sclerosis (ALS) is the disease that is caused due to a mutation in SOD<sub>1</sub> gene. So due to mutation the superoxide radicals are not neutralized, which attack on the motor neuron and degrade them. So the muscles work get damage and can't be stimulated.

# SECTION - B

## Multiple choice Questions (MCQs)

1. Psoriasis.
2. Osteoclasts are bone macrophages.
3. Osteosarcoma
4. History and examination.
5. Cancer of epithelial origin.
6. Osteoblastoma.
7. Metaphysis.
8. Osteomyelitis.
9. Degenerative
10. Grading
1. Both A and B (Autoimmune + inflammatory)
2. Osteoarthritis.
3. Symmetric joint involvement is there.
4. Staph aureus.
5. Osteoarthritis
6. Anti CCP antibodies.
7. Metaphysis.
8. Left ventricular hypertrophy.
9. Cardiac arrhythmia
10. All of these options.

21. Three types.
  22. Aschoff bodies
  23. Arrhythmias
  24. Sympathetic nervous system.
  25. Parasympathetic nervous system
  26. Psoriasis
  27. Endocarditis.
  28. A Failure at right side of heart
  29. Arthritis
  30. Calcific aortic stenosis.
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