

9

**Department of Pathology**  
**Azra Naheed Medical College**  
**Grand test 2**  
**MBBS 4<sup>th</sup> Year (SEQs )**

**Time Allowed: 70 min**

**Total Marks: 40**

Q-1 A 60 year old smoker presents for advice to stop smoking. He has productive cough and barrel shaped chest. He sits leaning forward to facilitate his breathing. Biopsy reveals dilatation of alveoli with destruction of alveolar walls.

- a- What is the diagnosis 1 *Emphysema*
- b- What are its different types 2
- c- Give pathogenesis of this condition. 2

Q-2 A 30 year old alcoholic man had severe road side accident and was brought unconscious to hospital, He had previous history of productive cough. A chest X-ray revealed a cavitating lesion. Post mortem examination confirmed the cavitating lesion with destruction of mostly lung parenchyma. Foul smelling suppurative inflammation was there.

- a- What is the diagnosis and justify your answer 1.5 *lung abscess*
- b- Give morphology of lobar and bronchopneumonia along with stages 2+1.5

Q-3 a- What is Pneumoconiosis. Enlist different diseases included in this condition. 2  
b- Discuss the pathogenesis of granulomatous diseases of lung. 3

Q-4 Classify lung tumours 1.5

b- Give gross and microscopic appearance of adenocarcinoma lung. 1.5

- c- Write a short note on mesothelioma 1
- d- Name techniques used to diagnose a lung cancer 1

Q-5 A 18 years girl has complaint of pain and x-ray showed densely sclerotic lesion in distal femur, elevating the periosteum and forming the angle with cortex.

- a- What is most likely diagnosis 1 *Osteosarcoma*
- b- Enumerate the common sites involved by this lesion. 1
- c- Give the gross and microscopic features of this lesion. 3

Q-6 A 24 years male visited the hospital with painful discharging sinus from tibia after a road traffic accident. Examination of the site reveals inflammation.

a- What is most likely diagnosis and how will you confirm it 2 *Osteomyelitis*

b-What are its complications 2

C- Define Sequestrum and involucrum. 1

Q-7 A 06 years old child presented with painful, enlarged mass over the lateral aspect of of the thigh. X-ray showed destructive lytic tumorous lesion with onion skin like appearance.

a- What is diagnosis 0.5 *Ewing sarcoma*

b- Give the gross and microscopic pictures of the lesion 1.5

c- classify bone tumours . 3

Q-8 A 35 years old female presented with morning joint stiffness.

a- Give morphology of Rheumatoid arthritis and gouty arthritis 2.5

b- Eneumerate differences between Rheumatoid arthritis and osteoarthritis. 2.5