

[LF 0212]

AUGUST 2014

Sub.Code : 2411

B.Sc. PROSTHETICS AND ORTHOTICS
SECOND YEAR
PAPER I – PATHOLOGY
Q.P. Code: 802411

Time: Three hours

Maximum : 100 Marks

Answer All questions

I. Elaborate on:

(3 x 10 =30)

1. Describe the pathogenesis, pathology and complications of thrombosis.
2. Classify anaemias. List the clinical features and lab diagnosis of iron deficiency anaemias.
3. Describe the process of wound healing. Mention the factors involved and the complications.

II. Write notes on:

(8 x 5 = 40)

1. Subdural haematoma.
2. Myasthenia Gravis.
3. Metastasis.
4. Type II hypersensitivity diseases.
5. Pathogenesis of systemic lupus erythematoses.
6. Pathogenesis of poliomyelitis.
7. Clinical effects of embolism.
8. Investigation of genetic diseases.

III. Write short answers on:

(10 x 3 = 30)

1. Gas gangrene.
2. Clinical features of shock.
3. Erythropoietin.
4. Glycated haemoglobin.
5. Cells involved in inflammation.
6. Clinical effects of thromboangitis obliterans.
7. Mutation.
8. Clinical effects of Parkinsons disease.
9. Hemiplegia.
10. Granulomatous inflammation.

[LH 0815]

AUGUST 2015

Sub. Code: 2411

BACHELOR IN PROSTHETICS AND ORTHOTICS

SECOND YEAR

PAPER I – PATHOLOGY

Q.P. Code: 802411

Time: Three Hours

Maximum: 100 Marks

Answer all questions

I. Elaborate on:

(3 x 10 = 30)

1. Define shock. Mention its types and brief about each.
2. Describe the steps involved in wound healing. Differentiate between primary and secondary wound healing. Mention the factors involving in wound healing.
3. Define Necrosis. Mention its types and pathogenesis of each.

II. Write notes on:

(8 x 5 = 40)

1. Differentiate between benign and malignant tumors.
2. Define gangrene and mention its types.
3. Define terms atrophy and hypertrophy. Mention the causes of atrophy.
4. Explain about growth factors.
5. Define embolism and mention its pathogenesis.
6. Write the cellular events in acute inflammation.
7. Describe the Stages of bone remodelling.
8. Define edema. Mention its causes.

III. Short answers on:

(10 x 3 = 30)

1. Define thrombosis.
2. What is dry gangrene?
3. Describe the causes of cell injury.
4. Define terms repair and regeneration.
5. Enumerate the stages of fracture healing.
6. Write brief note on Carcinogen and its type.
7. Define Phagocytosis.
8. What do you understand by term exudates?
9. Write the causes of hemorrhage.
10. Four sites affected by Psoriasis

[LJ 0816]

AUGUST 2016

Sub. Code :2411

**B.Sc. PROSTHETICS AND ORTHOTICS
SECOND YEAR
PAPER I – PATHOLOGY**

Q.P. Code: 802411

Time: Three Hours

Maximum : 100 Marks

Answer All questions

I. Elaborate on:

(3 x 10 = 30)

1. Etiological classification of risk factors of cerebrovascular accident.
2. Deformities of hand in Rheumatoid arthritis and its orthotic management.
3. Causes and levels of lower extremity amputation.

II. Write notes on:

(8 x 5 = 40)

1. Etiology of Thromboangitis obliterans.
2. Lab diagnosis of anemia.
3. Inheritance of hemophilia.
4. Clinical features of patient with traumatic brain injury.
5. Types of shock.
6. Pathology in muscular dystrophy.
7. Methods of fracture healing.
8. Features of acute inflammation.

III. Short answers on:

(10 x 3 = 30)

1. Clinical features of Parkinson's disease.
2. Differentiate between benign and malignant tumors.
3. Management of anemia.
4. Sarcoma.
5. Gangrene.
6. Examples of chronic inflammatory conditions.
7. Embolism.
8. Colle's fracture.
9. Sepsis.
10. Lab diagnosis of Diabetes Mellitus.

[LK 0217]

FEBRUARY 2017

Sub. Code :2411

**B.Sc. PROSTHETICS AND ORTHOTICS
SECOND YEAR
PAPER I – PATHOLOGY**

Q.P. Code: 802411

Time: Three Hours

Maximum : 100 Marks

Answer All questions

I. Elaborate on:

(3 x 10 = 30)

1. Definition, clinical features, causes and types of Gangrene.
2. Methods of wound healing.
3. Different types of hypersensitivity reactions with examples? Name any five auto-immune diseases.

II. Write notes on:

(8 x 5 = 40)

1. Hand deformities in Rheumatoid arthritis.
2. Parkinson's disease.
3. Clinical features of thromboangitis obliterans.
4. Methods of spread of malignancies.
5. Foot care in diabetes mellitus.
6. Causes of anemia.
7. Types of diabetes mellitus.
8. Complication of hemophilia.

III. Short answers on:

(10 x 3 = 30)

1. Etiology of poliomyelitis.
2. Definition of cerebrovascular accident.
3. Causes of diabetic foot ulcer.
4. Risk factors of cerebrovascular accident.
5. Clinical features of multiple sclerosis.
6. Features of chronic inflammation.
7. Callus.
8. Types of necrosis.
9. Classification of Neoplasia.
10. Pathology of Rheumatoid Arthritis.

[LL 0817]

AUGUST 2017

Sub. Code :2411

B.Sc. PROSTHETICS & ORTHOTICS

SECOND YEAR

PAPER I – PATHOLOGY

Q.P. Code: 802411

Time: Three hours

Maximum : 100 Marks

Answer All questions

I. Elaborate on:

(3 x 10 = 30)

1. Define neoplasia. Classify and write in detail the clinical and pathological differences between benign and malignant tumours.
2. What is necrosis? Write in detail about the pathology and pathogenesis of different types of necrosis.
3. Laboratory diagnosis and complications of Diabetes Mellitus.

II. Write notes on:

(8 x 5 = 40)

1. Iron deficiency anaemia.
2. Human Immuno deficiency virus.
3. Paget's disease.
4. Thromboangiitis obliterans.
5. Bone healing.
6. Multiple Myeloma.
7. Reversible injury.
8. Pulmonary embolism.

III. Short answers on:

(10 x 3 = 30)

1. Oedema.
2. Thrombosis.
3. Septic shock.
4. Atrophy.
5. Mutations.
6. Immunity.
7. Poliomyelitis.
8. Secondaries.
9. Genetic disorder.
10. Osteomalacia.

[LM 0218]

FEBRUARY 2018

Sub. Code: 2411

BACHELOR IN PROSTHETICS & ORTHOTICS

SECOND YEAR

PAPER I – PATHOLOGY

Q.P. Code: 802411

Time: Three Hours

Maximum : 100 Marks

Answer All questions

I. Elaborate on:

(3 x 10 = 30)

1. What are the types of inflammation? Write in detail about the cellular and vascular changes in acute inflammation.
2. Describe in detail about the stages involved in primary and secondary wound healing.
3. Write in detail about the clinical features, pathology and pathogenesis of different types of gangrene.

II. Write notes on:

(8 x 5 = 40)

1. Coagulation necrosis.
2. Pathological fracture.
3. Megaloblastic anaemia.
4. Osteogenic sarcoma.
5. Air embolism.
6. Granulomatous inflammation of bone.
7. Auto immune disorders.
8. Multiple Myeloma.

III. Short answers on:

(10 x 3 = 30)

1. Causes of oedema.
2. Hypertrophy.
3. Autolysis.
4. Ischemia.
5. Metastasis.
6. Universal Donor.
7. Mutation.
8. Aplastic anaemia.
9. Gouty arthritis.
10. Abscess.

[LN 0818]

AUGUST 2018

Sub. Code: 2411

BACHELOR IN PROSTHETICS & ORTHOTICS

SECOND YEAR

PAPER I – PATHOLOGY

Q.P. Code: 802411

Time: Three Hours

Maximum : 100 Marks

Answer All questions

I. Elaborate on: **(3 x 10 = 30)**

1. Classify anaemias. Write in detail about iron deficiency anaemia.
2. Write in detail about the causes and levels of lower leg amputations.
3. Describe fracture healing and remodelling with diagrams.

II. Write notes on: **(8 x 5 = 40)**

1. What is diabetes? Write about laboratory diagnosis of diabetes.
2. Cellular and vascular events of acute inflammation.
3. Differences between benign and malignant tumours.
4. Types of necrosis.
5. Lower leg amputations.
6. Clinical effects of embolism.
7. Metastasis.
8. Cerebrovascular accidents.

III. Short answers on: **(10 x 3 = 30)**

1. Mutations.
2. Poliomyelitis.
3. Immunodeficiency virus.
4. Autoimmune disorders.
5. Gas gangrene.
6. Septic shock.
7. Haemophilia.
8. Foot care in diabetes.
9. Repair and regeneration.
10. Vitamin D deficiency.

[LO 0219]

FEBRUARY 2019

Sub. Code: 2411

BACHELOR IN PROSTHETICS & ORTHOTICS

SECOND YEAR

PAPER I – PATHOLOGY

Q.P. Code: 802411

Time: Three Hours

Maximum : 100 Marks

Answer All questions

I. Elaborate on:

(3 x 10 = 30)

1. Write in details about causes and levels of lower leg amputation.
2. What is necrosis? Describe different types of necrosis in detail.
3. What is neoplasia? Write in detail about the differences between benign and malignant tumours.

II. Write notes on:

(8 x 5 = 40)

1. Laboratory diagnosis of diabetes.
2. Auto immune disorders.
3. Acute inflammation.
4. Bone healing and remodelling.
5. Iron deficiency anaemia.
6. Pathological fracture.
7. Human Immuno deficiency virus.
8. Thromboangitis obliterans.

III. Short answers on:

(10 x 3 = 30)

1. Glycated haemoglobin.
2. Phagocytosis.
3. Mention six chronic inflammatory conditions.
4. Chronic inflammation.
5. Genetic disorders.
6. Callus.
7. Embolism.
8. Define phagocytosis.
9. Atrophy and hypertrophy.
10. Pathogenesis of poliomyelitis.
