[Total No. of Pages : 2

51211

Second B.P.T.H. (2012) Examination, Summer - 2024 Phase - II
Pharmacology

Total Duration : 2 Hours

Total Marks : 40

Instructions :
1) *Use **black** ball point pen only.*
2) *Do **not** write anything on the **blank portion of the question paper.** If written anything, such type of act will be considered as an attempt to resort to unfair means.*
3) *All questions are **compulsory.***
4) *The number to the **right** indicates **full** marks.*
5) *Draw diagrams **wherever** necessary.*
6) *Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.*
7) *Use a common answerbook for all sections.*

1. Short Answer Question (Solve any five out of six) : **[5 × 3 = 15]**

a) Write a note on Disease modifying agents used in Rheumatoid arthritis

b) Write mechanism of action, uses and adverse effects of Loop Diuretic

c) Inhaled corticosteroids

d) Enumerate drugs for Parkinsonism. Add a note on Levodopa-Carbidopa combination.

e) Write note on Metronidazole.

f) Classify Skeletal Muscle Relaxants and write their therapeutic uses.

Scanned with OKEN Scanner

2. **Short Answer Questions (Solve any five out of six) :** **51211** [5 × 5 = 25]

a) Enumerate Factors modifying drug action and discuss how liver & kidney affect pharmacokinetics of drugs with examples.

b) Write classification of Antidepressant drugs and add a note on Selective Serotonin Reuptake Inhibitors.

c) Drug therapy of vomiting.

d) Write down mechanism of action, uses and adverse effects of Aminoglycoside antibiotics.

e) Classify Anticholinergic drugs. Write in short about treatment of Organo-phosphorous compound poisoning.

f) Classify Antithyroid Drugs. Compare and contrast Propylthiouracil and Carbimazole.

Scanned with OKEN Scanner

[Total No. of Pages : 2

51212

Second B.P.T.H. (2012) Examination, Summer - 2024 Phase - II
PATHOLOGY AND MICROBIOLOGY

Total Duration : 3 Hours

Total Marks : 80

Instructions :
1) *Use **black** ball point pen only.*
2) ***Do not** write anything on the **blank portion of the question paper.** If written anything, such type of act will be considered as an attempt to resort to unfair means.*
3) ***All** questions are **compulsory.***
4) *The number to the **right** indicates **full** marks.*
5) *Draw diagrams **wherever** necessary.*
6) *Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.*
7) *Use a common answerbook for all sections.*

SECTIONS - A (50 Marks)

(Pathology)

1. Short Answer Question (any five out of six) : **[5 × 7 = 35]**

a) Enumerate causes of cell injury, explain Fatty change in terms of etiology, pathogenesis, gross and microscopic features.

b) Define Hyperplasia. Explain its mechanism and various types with appropriate examples and theirclinical significance.

c) What is congestion. Explain chronic venous congestion of Liver.

d) Explain granulomatous inflammation.

e) What is Diabetes Mellitus. Describe pathogenesis of Type I diabetes. Enumerate various complications of Diabetes mellitus.

f) Explain Ankylosing spondylitis.

Scanned with OKEN Scanner

2. Long Answer Question (any one out of two) : [1 × 15 = 15]

a) Define Neoplasia. Give the characteristic features of benign neoplasia. Discuss role of oncogenic virus in pathogenesis of cancer.

b) Discuss etiology, pathogenesis and complications of Pneumonia.

SECTIONS - B (30 Marks)

(Microbiology)

3. Short Answer Question (any three out of four) : [3 × 5 = 15]

a) Draw a labelled diagram of a bacterial cell and Describe the cell wall of bacteria.

b) Define biomedical waste. Describe the different categories and colour codes used for segregation of biomedical waste under the biomedical waste management and handling rules 1998.

c) Describe the pathogenesis and laboratory diagnosis of poliomyelitis.

d) Discuss the laboratory diagnosis of Cryptococcosis.

4. Long Answer Questions (any one out of two) : [1 × 15 = 15]

a) Define pyrexia of unknown origin (PUO) _____(1 mark) Name the etiological agents of Enteric fever _____ (2 marks) Describe the pathogenesis and laboratory diagnosis of Enteric fever. (12 marks)

b) Enumerate the tissue nematodes _____ (2 marks) Draw a neat labelled diagram of wucherechia bancrofti _____ (3 marks) Describe the pathogenesis and laboratory diagnosis of filariasis. (10 marks)

Scanned with OKEN Scanner

Second B.P.T.H. (2012) Examination, Summer - 2024 Phase - II
PSYCHIATRY (INCLUDING PSYCHOLOGY)

Total Duration : 2 Hours | Total Marks : 40

Instructions :
1) *Use **black** ball point pen only.*
2) ***Do not** write anything on the **blank portion of the question paper.** If written anything, such type of act will be considered as an attempt to resort to unfair means.*
3) ***All** questions are **compulsory.***
4) *The number to the **right** indicates **full** marks.*
5) *Draw diagrams **wherever** necessary.*
6) *Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.*
7) *Use a common answerbook for all sections.*

1. Short answer questions (any five out of six) : **[5 × 3 = 15]**

a) Explain psychology as a science and the experimental method used in psychology.
b) Explain the social development and adjustment problems occuring in adolescence.
c) Explain Positive reinforcement citing examples.
d) Write a note on amnesia.
e) Define Attention and Perception. Explain the characteristics of Attention.
f) Explain any two theories of Emotions.

2. Short answer questions (any five out of six) : **[5 × 5 = 25**

a) Discuss the elements of psychiatric interview.
b) Clinical features of delusional disorder and its management.
c) Clinical features of agoraphobia and its treatment.
d) Classify anti-depressants and give its side-effects.
e) Describe alcohol withdrawal syndrome and its management.
f) Amnestic Disorders.



Scanned with OKEN Scanner

Second B.P.T.H. (2012) Examination, Summer - 2024 Phase - II
ELECTROTHERAPY

Total Duration : 3 Hours | Total Marks : 80

Instructions : 1) *Use **black** ball point pen only.*
2) ***Do not** write anything on the **blank portion of the question paper.** If written anything, such type of act will be considered as an attempt to resort to unfair means.*
3) ***All** questions are **compulsory.***
4) *The number to the **right** indicates **full** marks.*
5) *Draw diagrams **wherever** necessary.*
6) *Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.*
7) *Use a common answerbook for all sections.*

SECTIONS - A (50 Marks)

1. Short Answer Questions (any five out of six) : **[5 × 3 = 15]**

a) Enumerate advantages of IFT over low frequency currents.
b) Enlist the types of electrodes used in short wave diathermy therapy
c) Define Phonophoresis and Iontophoresis.
d) Define Rheobase and Chronaxie
e) Difference between Faradic and Galvanic current.
f) Didyanamic Current.

2. Short Answer Questions (any five out of six) : **[5 × 7 = 35]**

a) Describe the different method of application in SWD.
b) Describe different methods of application of Ultra Sound Therapy
c) Describe the usage of UVR in infected and non infected wounds.
d) Describe about High pressure Mercury vapour burner.
e) Define Biofeedback.Discuss the Principles and Uses of Biofeedback.
f) Describe techniques of application of Luminous Infrared lamp and mention its precautions .

Scanned with OKEN Scanner

SECTIONS - B (30 Marks)

3. Long Answer Question (any one out of two) : [1 × 15 = 15]

   a) Describe in details the physiological effects of UltraViolet Radiations. Write a short note on PUVA therapy. Explain test dose and its progression.

   b) Define Pain. Describe different pain gate theories with a labeled diagram.

4. Long Answer Questions (any one out of two) : [1 × 15 = 15]

   a) Define Strength Duration Curve. Write down interpretations of all curves with graph.

   b) Write in details on principles of methods of application in short wave diathermy.Enumerate its Indication and Dangers.

Scanned with OKEN Scanner

Second B.P.TH. (2012) Examination, Summer - 2024 Phase - II
KINESIOTHERAPY

Total Duration : 3 Hours

Total Marks : 80

Instructions :
1) Use **black** ball point pen only.
2) **Do not** write anything on the **blank portion of the question paper.** If written anything, such type of act will be considered as an attempt to resort to unfair means.
3) All questions are **compulsory.**
4) The number to the **right** indicates **full** marks.
5) Draw diagrams **wherever** necessary.
6) Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.
7) Use a common answerbook for all sections.

SECTION - "A" SAQ (50 Marks)

1. Short answer questions : [5 × 3 = 15]

a) Write a note on a 3-point gait pattern using axillary crutches.
b) Enumerate any six precautions for joint mobilization.
c) Write a note on Passive insufficiency of muscles.
d) Define step length and step width.
e) Enlist contraindications to Hydrotherapy.
f) What is a Break test?

2. Short answer questions : [5 × 7 = 35]

a) Write in detail about different resistance training protocols.
b) Write a note on Motor strategies to maintain balance.
c) Describe effects and uses of spinal traction.
d) Define Gait. Write a note on spatial gait parameters.
e) Write a note on different types of strengthening exercises.
f) Diaphragmatic exercises

Scanned with OKEN Scanner

SECTION - "B" LAQ (30 Marks)

3. Long answer questions (Solve any 1 out of 2) : **[1 × 15 = 15]**

a) Describe various types of mobility exercises. Write a note on exercises to improve hip mobility. **[7 + 8]**

b) Define contracture. Describe the different types of contractures. Describe the Hold-relax technique for the quadriceps muscles. State the precautions for the same. **[2 + 4 + 6 + 3]**

4. Long answer questions : **[1 × 15 = 15]**

a) What is Active Cycle of Breathing Technique (ACBT). Describe various postural drainage positions for the right lung. Enumerate any 3 contra-indications for postural drainage. **[4 + 8 + 3]**

b) Define posture and write about postural mechanism. Write Sagittal plane analysis of optimal erect standing posture and possible physiological deviations from it. **[5 + 10]**



Scanned with OKEN Scanner

Second B.P.T.H. (2012) Examination, Summer - 2024 Phase - II
KINESIOLOGY

Total Duration : Section A + B = 3 Hours | Total Marks : 80

Instructions :
1) *Use **black** ball point pen only.*
2) ***Do not** write anything on the **blank portion of the question paper.** If written anything, such type of act will be considered as an attempt to resort to unfair means.*
3) ***All** questions are **compulsory.***
4) *The number to the **right** indicates **full** marks.*
5) *Draw diagrams **wherever** necessary.*
6) *Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.*
7) *Use a common answerbook for all sections.*

SECTION - A (50 Marks)

1. Short answer questions (any five out of six) : [5 × 3 = 15]

a) Write Mechanism of Respiration.
b) Define Concavo-Convex rule.
c) Define Creep and Hysteresis.
d) State Starlings Law.
e) Define Kinematics and give its types.
f) Write about Arches of hand.

2. Short answer questions (any five out of six) : [5 × 7 = 35]

a) Describe the movement occur at Subtalar joint. Explain about weight bearing and non weight bearing mechanism in detail.
b) Decribe Scapulo-humeral rhythm.
c) Write a note on Hip Abductor mechanism.
d) Describe the structure of connective tissue and its properties.
e) Discuss the Kinetics and Kinematics of thorax.
f) Write a note on Screw home mechanism.

Scanned with OKEN Scanner

SECTION - B (30 Marks)

3. Long Answer Questions (Solve any 1 out of 2) : **[1 × 15 = 15]**

a) Discuss the kinetics and kinematics of Temporo-mandibular joint. **[6 + 9 = 15]**

b) Write kinetics and Kinametics of Wrist Joint. **[7 + 8 = 15]**

4. Long Answer Questions (any one out of two) : **[1 × 15 = 15]**

a) Describe Spine biomechanics under following headings:

i) Kinematics

ii) Role of interval disc during different movement.

iii) Static stabilizers of Spine **[7 + 5 + 3 = 15]**

b) Define Gait Cycle. Explain the kinetics and kinematics of Gait.Explain about its determinants. **[1 + 9 + 5 = 15]**



Scanned with OKEN Scanner