[Total No. of Pages : 2

51216

Second BPTH (2012) Examination, Summer (Phase - II) - 2019
KINESIOLOGY

Total Duration :Section A+B= 3 Hours

Total Marks : 80

Section - A & Section - B

Instructions :
1) Use **blue/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 answer book for all sections.

SECTION - "A" SAQ (50 Marks)

1. Short answer question (**any five** out of six): [5 × 3 = 15]
   a) Write characteristics of skeletal muscle fiber.
   b) Explain Osteokinematics and Arthrokinematics with example.
   c) What is convex-concave rule? Explain giving one example. [1+2]
   d) What is passive insufficiency explain with example.
   e) State Newton's Third Law. Give an example related to human body. [1+2]
   f) Define Close pack and Open pack position of the joint.

2. Short answer question (**any five** out of six): [5 × 7 = 35]
   a) Describe kinetics and kinematics of sit to stand from chair without armrest.
   b) What is Q angle? How is it measured?
   c) Describe pump handle and bucket handle motion of thorax.
   d) Describe various types of power and precision grips and pinches of human hand.
   e) Describe kinetics and kinematics of patellofemoral joint.
   f) Describe weight bearing and non weight bearing subtaler joint motion.

P.T.O

SECTION - "B" LAQ (30 Marks)

3. Long answer question (**any one** out of two): **[1 × 15 = 15]**

   a) Define Gait cycle. Describe determinants of gait. Describe kinetics and kinematics of gait in sagital plane. **[2+5+8]**

   b) Describe kinetics and kinematics of Sacroiliac joint. Write function of pelvic floor muscles.

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

   a) Describe kinetics and kinematics of shoulder joint. Explain scapulohumeral rhythm. **[8+7]**

   b) Describe kinetics and kinematics of Hip joint. If a person has left painful hip in which hand he should hold the cane. Explain the reason for your answer. **[8+7]**

OOO

[Total No. of Pages : 1

51215

Second BPTH (2012) Examination, Summer (Phase - II) - 2019
PSYCHIATRY (Including Psychology)

Total Duration : 2 Hours

Total Marks : 40

Instructions : 1) *Use **blue/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 (**any five** out of six): **[5 × 3 = 15]**

a) Describe the early schools of Psychology.
b) Discuss the Physical and Cognitive changes taking place in Old Age.
c) Explain the concepts of Positive and Negative Reinforcement.
d) Describe the phenomenon of forgetting.
e) Discuss the Binocular Cues for Depth Perception.
f) Explain the General Adaptation Syndrome.

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

a) Describe the clinical features of Depression and its Treatment.
b) Define delusions and give its various types.
c) Describe the clinical features of Obsessive Compulsive Disorder and its Management.
d) Describe the etiology and classification of Mental Retardation with an emphasis on the role of the Physiotherapist.
e) Describe the clinical features and management of Alcohol Withdrawal.
f) Enlist the various Mood Stabilizers and give the mechanism of action, indications and side effects of Sodium Valproate.

OOO

[Total No. of Pages : 2

51214

Second BPTH (2012) Examination, Summer (Phase - II) - 2019
KINESIOTHERAPY

Total Duration : Section A + B = 3 Hours

Total Marks : 80

SECTION - A & SECTION - B

Instructions : 1) *Use **blue/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 answer book for all sections.*

SECTION - "A" SAQ (50 Marks)

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

a) State indications for Hydrotherapy.

b) State indications of humidification.

c) State measurement for Axillary Crutch.

d) State contraindications for joint mobilization.

e) Write mat activities in supine position.

f) State sensory organization for Balance control.

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

a) Describe Stress Strain Curve.

b) What are the principles of Freckles exercises. How will you give the same for Upper Extremity.

c) Describe the procedure of Diaphragmatic breathing exercise.

d) Describe manual muscle testing procedure for Elbow flexors.

e) Describe Progressive resisted exercises.

f) Describe Ideal Posture in sagital plane.

SECTION - "B" LAQ (30 Marks)

3. Long answer question (**any one** out of two) : [1 × 15 = 15]

a) Define Postural Drainage. Describe different position of Postural Drainage for lower lobe of bilateral lungs. State contraindications for Postural Drainage. [2 + 10 + 3]

b) Define Strengthing. Describe the principles of strengthening. Write in details the technique for strengthing of knee extensor from grade 0 to 5. [2 + 6 + 7]

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

a) Define stretching. Explain types of stretching. Describe various ways of Hamstring stretching. [2 + 7 + 6]

b) Define posture. Describe factors affecting posture. Write postural deviations seen in frontal view both anteriorly and posteriorly. [2 + 5 + 8]

[Total No. of Pages : 2

51213

Second BPTH (2012) Examination, Summer (Phase - II) - 2019
ELECTROTHERAPY

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

SECTION - A & SECTION - B

Instructions :
1) *Use **blue/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 answer book for all sections.*

SECTION - A SAQ (50 Marks)

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

a) Explain the terms, Rheobase and chronaxie.

b) Advantage of Phonophoresis.

c) Define biofeedback & state its uses.

d) State the definition and uses of Micro currents.

e) Tridymite formation.

f) Principles of Faradism under pressure.

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

a) Define pain & discuss pain modulation.

b) Principles of biofeedback, methods & its uses.

c) Describe five therapeutics uses of faradic current.

d) Define SD curve & explain it in detail.

e) Define Iontophoresis. Name five ions, its effect & uses.

f) Discuss treatment of Psoriasis with UVR.

SECTION - B LAQ (30 Marks)

3. Long answer question (**any one** out of two) : [1 × 15 = 15]

a) Elaborate on types of UVR.
Physiological & therapeutic uses.
Test dose & its application. [2 + 7 + 6]

b) What is SWD? Discuss its therapeutic effects and uses. Describe technique & methods of application. [2 + 6 + 7]

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

a) Discuss advantage of IFT.
Physiological & therapeutic effects.
Technique & methods of application. [3 + 5 + 7]

b) Define TENS & its types.
Physiological & therapeutic effects.
Technique & methods of application. [6 + 3 + 6]



[Total No. of Pages : 2

51212

Second BPTH (2012) Examination, Summer (Phase - II) - 2019
PATHOLOGY & MICROBIOLOGY

Total Duration : Section A + B = 3 Hours

Total Marks : 80

SECTION - A & SECTION - B

Instructions : *1) Use **blue/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 answer book for all sections.

SECTION - A (50 Marks)

(Pathology)

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

a) Describe briefly healing by primary intention. Enumerate factors affecting wound healing.

b) Write a note on Pulmonary tuberculosis. Mention the complications.

c) Define neoplasia. Describe the various modes of spread of tumors.

d) Describe the pathology and complications of Pyogenic Meningitis.

e) Describe the cellular events in Acute inflammation.

f) Enumerate types of hypersensitivity reactions and give examples of each.

2. Long answer question (**any one** out of two) : [1 × 15 = 15]

a) Define Anemia. Classify anemia. Enlist the laboratory investigations used for diagnosis and classification of anemia.

b) What is osteomyelitis? Describe the etiology, pathology, clinical findings and complications of Pyogenic osteomyelitis.

SECTION - B (30 Marks)

(Microbiology)

3. Short answer question (**any three** out of four) : [3 × 5 = 15]

a) Mention the difference between active and passive adaptive immunity.

b) Define Hospital Acquired Infection (HAI). Enumerate the four organisms causing hospital acquired infections.

c) Describe the pathogenesis and laboratory diagnosis of Polio.

d) Write a note on Mycetoma.

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

a) Define Sterilization. Describe the principle, working and controls of an autoclave.

b) Enumerate organisms causing lower respiratory tract infections. Describe the laboratory diagnosis of pulmonary tuberculosis.



[Total No. of Pages : 2

51211

Second BPTH (2012) Examination, Summer (Phase - II) - 2019
PHARMACOLOGY

Total Duration : 2 Hours

Total Marks : 40

Instructions : 1) *Use **blue/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 answer book for all sections.*

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

a) Name the opioid drugs, write their indications and adverse effects.

b) Enumerate parental iron preparations. Write two indications for parenteral iron therapy.

c) Write four examples and two uses of proton pump inhibitors.

d) Enumerate the advantages of combination of estrogen with progesterone in contraceptive pills.

e) Enumerate semisynthetic penicillins. Write any three indications and adverse effects of Ampicillin.

f) Write four important uses and adverse effects of Angiotensin Converting Enzyme-Inhibitor.

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

a) What is first pass effect? Write any four factors affecting absorption of a drug.

b) Classify drugs used for treatment of bronchial asthma. How will you treat status asthmaticus?

c) Write the role of beta blockers in the treatment of hypertension.

d) Enumerate corticosteroids. Discuss in short uses and contraindications of corticosteroids.

e) Classify drugs used for treatment of Parkinsonism. Why levodopa is combined with carbidopa?

f) Classify antiemetic drugs. Describe in short uses and adverse effects of Metoclopramide.

