Second B.P.T.H. (2012)
Examination, (Phase - II) Summer - 2022
KINESIOTHERAPY

34

tal Duration : 3 Hours | Total Marks : 80

structions :
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) Enumerate the intervention strategies to improve motor control.

b) What are trick movements?

c) Describe Autogenic drainage.

d) Effect & uses of Spinal Traction.

e) Write indications for Functional Re-education.

f) Define step length, stride length and cadence.

P.T.O

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

a) Describe pre 'walking aids' training.

b) Explain principles and techniques of Frenkel's exercises.

c) Define postural drainage,Describe Postural drainage techniques for right lower lobe.

d) Define stretching and Explain 3 different methods of self-stretching for hamstring muscle.

e) Write principles of home program and ergonomic advice for ADLs.

f) Describe different protocol's for Progressive Resisted exercises.

SECTION "B" LAQ (30 Marks)

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

a) Define posture and write postural mechanism. Write Sagittal plane analysis of optimal erect standing posture and possible physiological deviations from it. (5+10)

b) Describe physical properties of water. Write the physiological and therapeutic effects of hydrotherapy. Write indications and contraindications of hydrotherapy.(3+6+6)

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

a) Explain principles of Strength training. Describe Strengthening of Triceps muscle from grade 0 to grade V. (7+8)

b) Write goals and uses of breathing exercises. Describe the different types of breathing exercises. Add a note on ACBT. (3+7+5)

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[Total No. of Pages : 2

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Second B.P.TH. (2012) Examination, Phase - II Summer - 2022
ELECTROTHERAPY

Total Duration : 3 Hours

Total Marks : 80

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3) *All questions are compulsory.*

4) *The number to the right indicates full marks.*

5) *Draw diagrams wherever necessary.*

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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]

ound with transmission percentage.

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

a) Explain the regimens for treatment of Psoriasis with UVR.

b) Describe physiological and therapeutic effects of SWD.

c) Describe Physiological and therapeutic effects of IFT.

d) Describe indications and contraindications of Ultrasound.

e) Write note on various ions used with its effects for Iontophoresis.

f) Write Indications and contraindications of IRR.

SECTION - "B" LAQ (30 Marks)

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

a) Write note on modes of US, Write physiological effects including effects on inflammation stages and tissue healing and therapeutic uses of US. [4 + 9 + 2]

b) Explain different methods of application of Short wave diathermy. Describe the dangers and contraindications of SWD with reasons. [7 + 3 + 5]

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

a) Describe indications of faradic type current. What is faradism under pressure? Add a note on principle and technique of application of faradism under pressure. [3 + 3 + 9]

b) Write types of TENS with their parameters. Explain the mechanism of action of conventional TENS in reducing pain with diagram. [8 + 7]

[Total No. of Pages : 2

51216

Second B.P.TH. (2012) Examination, Phase-II Summer - 2022
KINESIOLOGY

Total Duration : 3 Hours

Total Marks : 80

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3) *All questions are compulsory.*
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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) Carrying angle of elbow joint

b) Q angle

c) Torque

d) Define arthrokinematics

e) Enumerate classification of joints

f) Concave convex rule

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

a) Basic principles of connective tissue

b) Write a note on prehensile function of hand.

c) Explain stress-strain curve.

d) Active and passive insufficiency with examples.

e) Describe Types of muscle contraction.

f) Lumbo-pelvic Rhythm

SECTION "B" LAQ (30 Marks)

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

   a) Define gait cycle. Describe Kinetics and kinematics of gait cycle.

   b) Define Lever. Discuss Types of Lever with examples.

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

   a) Enumerate shoulder complex. Discuss kinetics and kinematics of gleuno-humeral joint.

   b) Discuss Knee complex. Discuss factor affecting knee stability.

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Second B.P.TH. (2012) Examination, Phase - II Summer - 2022
PHARMACOLOGY

Total Duration : 2 Hours | Total Marks : 40

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*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) Classify various routes of drug administration with suitable examples of drugs administered.

b) Classify the drugs used for the treatment of various epilepsies based on their types.

c) Classify drugs used in the treatment of Bronchial Asthma with their mechanisms of action.

d) Enumerate drugs for treating Pulmonary Tuberculosis. Mention the treatment regimen with its basis.

e) Explain the role of nitrates in the treatment of angina pectoris.

f) Define 'Adverse Drug Reactions' and classify them.

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

a) Classify drugs used for Peptic ulcer. Mention drug regimens used for H. pylori infection giving reasons.

b) Classify Non Steroidal Anti-inflammatory drugs with their mechanisms of action. Enumerate drugs used for Gout. Write a note on Colchicine.

c) Classify skeletal muscle relaxant agents. Write their uses with examples.

d) Enumerate cardio-selective beta blockers. Mention their clinical uses and the advantages over non selective ones.

e) Classify various Penicillins. Mention their Mechanism of Action and clinical uses with suitable examples.

f) Classify anti-thyroid drugs. Compare and contrast Propylthiouracil and Carbimazole. Mention their mechanism of action.



Second B.P.TH. (2012) Examination, (Phase - II) Summer - 2022
PATHOLOGY AND MICROBIOLOGY

Total Duration : 3 Hours | Total Marks : 80

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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) Define necrosis. Give types of necrosis with suitable examples

b) Distinguish between benign and malignant neoplasm

c) Define amyloidosis. Enumerate causes of amyloidosis.

d) Write a short note on Myasthenia gravis

e) Write a short note on Gout

f) Describe the gross and microscopic appearance of a benign peptic ulcer.

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

a) Describe healing of a fracture. Enumerate factors that affect fracture healing.

b) Define thrombosis. Discuss formation and fate of a thrombus.

P.T.O.

(Microbiology)

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

a) Mention the differences between Active and Passive immunity

b) Write a short note on Biomedical waste management.

c) Write a short note on Candidiasis.

d) Describe the laboratory diagnosis of Toxoplasma gondii

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

a) Enumerate four bacteria causing gastrointestinal tract infections. Discuss the pathogenesis and laboratory diagnosis of enteric fever.

b) Mention the modes of transmission of HIV(4) Define Window period. (2). Describe the laboratory diagnosis of HIV(9)

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51215

Second BPTH (2012) Examination, Phase - II Summer - 2022
PSYCHIATRY (Including Psychology)

Total Duration : 2 Hours | Total Marks : 40

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7) *Use a common answerbook for all sections.*

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

a) Define Psychology and describe any two branches of Psychology.

b) What is short-term memory? Describe the types of short- term memory.

c) What are the Gestalt principles of perception.

d) State Erikson's psychosocial stages of Development.

e) Types of conflicts.

f) What is Maslow's hierarchy of need in motivation?

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

a) What are different types of schizophrenia?

b) What is mental status examination? What are the components for assessment of speech and thought during MSE?

c) Write a note on mood disorder.

d) Discuss the difference between delirium and dementia.

e) Write a note on Alzheimer's disease.

f) Discuss the different types of Anxiety disorder.

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