[Total No. of Pages : 2

51211

Second B.P.T.H (2012) Examination, (Phase - III) Winter - 2021

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) Briefly describe the therapeutic uses of beta blockers.

b) Write various sources of drugs with examples of each source.

c) Explain why stopping of corticosteroids treatment should be gradual.

d) Write the management of status asthmaticus.

e) Enumerate indications and ADR of parenteral iron therapy.

f) Write prophylactic uses of penicillins giving examples.

P.T.O

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

a) Classify adrenergic drugs. Write therapeutic uses of adrenaline.

b) Enumerate the drugs used in the treatment of angina pectoris. Discuss mechanism of action and indication of organic nitrates.

c) Classify hypoglycemic agents. State indications for the use of insulin. Describe adverse reactions to insulin and measures taken to treat them.

d) Classify Skeletal Muscle Relaxants. Write mechanism of action and uses of non-depolarizing neuromuscular blockers.

e) Classify drugs used in peptic ulcer management. Write the mechanism of action and uses of Proton Pump Inhibitors.

f) Classify Non-Steroidal Anti-Inflammatory Drugs. Write important uses and side effects of Aspirin.

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[Total No. of Pages : 2

51212

Second B.P.TH. (2012) Examination, (Phase - III) Winter - 2021

PATHOLOGY AND MICROBIOLOGY

Total Duration : 3 Hours | Total Marks : 80

Instructions : *1) Use **blue/black** ball point pen only.*

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*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) Define necrosis write its type , Explain any 3 types of Necrosis.

b) Enumerate various Granulomatous lesions. Describe formation of Granuloma and its microscopic features.

c) What is Oedema.Enumerate various pathogenetic mechanisms of oedema with examples of each..

d) Explain characteristic features of Malignant Neoplasms.How will you stage a malignant tumour

e) What do you mean by Ischemic Heart Disease. give etiological causes of Acute myocardial Infarction, explain various diagnostic parameters of this condition.

f) Describe Hyperthyroidism in terms of causes, clinical features and laboratory parameters.

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

a) Classify Amyloidosis. explain its pathogenesis and morphological features in relation to Kidney liver and Spleen.

b) Describe granulation tissue. Write healing of wound by primary intention. Enumerate factors affecting wound healing.

SECTION "B" (30 Marks)
(Microbiology)

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

   a) Mention the differences between Active and Passive immunity.

   b) Discuss the viral markers of Hepatitis B virus.

   c) Write a short note on Mycetoma.

   d) Discuss the laboratory diagnosis of Malaria. – No change.

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

   a) Define sterilization and disinfection. Describe the principle and working of an Autoclave. Mention its uses.

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

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Total No. of Pages : 2

51213

Second B.P.TH. (2012) Examination, (Phase - III) Winter - 2021

ELECTROTHERAPY

Total Duration : 3 Hours

Total Marks : 80

Instructions : *1) Use **blue/black** ball point pen only.*

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*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) Define Near field and far field.

b) Explain the Clover Leaf Pattern in IFT

c) State any 3 Laws Governing Radiations

d) Define Latent Heat of Fusion

e) Explain the Principle of Contrast Bath

f) Define a Motor Point

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

a) Describe in detail the application of Laser in wound Healing

b) Define Iontophoresis. Describe its technique along with indications and contraindications

c) Define MED for UVR. Describe the technique for measuring it

d) Classify IR. Explain the physiological and therapeutic effects of IR

e) Describe various methods of application of SWD

f) Define IFT. Describe its physiological effects. Explain the advantages of IFT over TENS

P.T.O.

SECTION "B" LAQ (30 Marks)

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

   a) What is Faradism under pressure? Describe its technique in detail. Enlist its contraindications and indications.

   b) What is Therapeutic Ultrasound? Explain the principle on which it functions. Describe the physiological and therapeutic effects of the same.

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

   a) Describe the characteristics of Faradic current. Describe the physiological effects along with its indications and contraindications

   b) Explain the purpose of Strength Duration curve. Describe the characteristics of a normal and abnormal SDC

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Total No. of Pages : 2

51213

Second B.P.TH. (2012) Examination, (Phase - III) Winter - 2021

ELECTROTHERAPY

Total Duration : 3 Hours

Total Marks : 80

Instructions : 1) *Use **blue/black** ball point pen only.*

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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) Define Near field and far field.

b) Explain the Clover Leaf Pattern in IFT

c) State any 3 Laws Governing Radiations

d) Define Latent Heat of Fusion

e) Explain the Principle of Contrast Bath

f) Define a Motor Point - No change.

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

a) Describe in detail the application of Laser in wound Healing

b) Define Iontophoresis. Describe its technique along with indications and contraindications

c) Define MED for UVR. Describe the technique for measuring it

d) Classify IR. Explain the physiological and therapeutic effects of IR

e) Describe various methods of application of SWD

f) Define IFT. Describe its physiological effects. Explain the advantages of IFT over TENS

SECTION "B" LAQ (30 Marks)

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

   a) What is Faradism under pressure? Describe its technique in detail. Enlist its contraindications and indications.

   b) What is Therapeutic Ultrasound? Explain the principle on which it functions. Describe the physiological and therapeutic effects of the same.

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

   a) Describe the characteristics of Faradic current. Describe the physiological effects along with its indications and contraindications

   b) Explain the purpose of Strength Duration curve. Describe the characteristics of a normal and abnormal SDC

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51214

Second B.P.T.H. (2012) Examination, (Phase - III) Winter - 2021
KINESIOTHERAPY

Total Duration : 3 Hours

Total Marks : 80

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) Goals of breathing exercises.

b) Write the indication of stretching exercises.

c) Indications of Frankel's exercises.

d) Types of nebuliser.

e) Explain roll, slide and spinning. Replace by Contraindications of Traction.

f) Stages of active cycle of breathing technique.

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

a) Write a note on stress strain curve. No change.

b) Explain autogenic drainage.

c) Trick movement.

d) Explain in detail stance phase of gait.

e) Explain different types of muscle contractions with example.

f) Explain in detail segmental breathing.

SECTION - "B" LAQ (30 Marks)

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

a) Define postural drainage. Mention it's indications. Explain postural drainage for upper and middle lobes. Write a note on guidelines for applications of postural drainage. **[2 + 3 + 5 + 5 + = 15]**

b) Explain the grades of manual muscle testing. Write detailed procedure for MMT assessment of ankle planter flexors. **[5 + 10 = 15]**

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

a) Define posture. Explain mechanism of postural control. Explain assessment of posture. **[3 + 4 + 8 = 15]**

b) Describe principle of muscle strengthening. Add a note on progressive resisted exercises. **[7 + 8 = 15]**

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[Total No. of Pages : 2

51215

Second B.P.T.H. (2012) Examination, (Phase - III) Winter - 2021
PSYCHIATRY (Including Psychology)

Total Duration : 2 Hours

Total Marks : 40

Instructions : *1) Use **blue/black** ball point pen only.*

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*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.

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

a) What are mature defences? Explain with examples.

b) Describe motivation. What are motivational hierarchies?

c) What is Perception? How does it differ from sensation?

d) Describe Psychotherapy. What are the different psychotherapies you know?

e) Write a short note on emotional intelligence.

f) How understanding of psychological factors affect physical health?

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

a) What are mood disorders? Describe types and brief description of different mood disorders.

b) What are delusions? Describe in brief different types.

c) How will you manage a patient threatening to commit suicide?

d) Describe Psychiatric aspects of chronic pain.

e) Describe the clinical features and management of catatonic schizophrenia.

f) What is PTSD? Describe clinical features and brief management.

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[Total No. of Pages : 2

51216

Second B.P.TH. (2012) Examination, (Phase - III) Winter - 2021
KINESIOLOGY

Total Duration : Section A+B = 3 Hours

Total Marks : 80

SECTION - A & SECTION - B

Instructions : *1) Use blue/black ball point pen only.*

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*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) Define Kinetics and Kinematics.

b) What is Q-angle?

c) Enumerate factors affecting muscle function.

d) Define Stride length, Step length and Degree of toe-out.

e) Creep.

f) Describe Angle of Inclination of Femur.

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

a) Describe Temporal & Distance variables of Gait.

b) Arthrokinematics of wrist joint, add a note on wrist instability.

P.T.O.

c) Describe kinetics & kinematics of Temporo-mandibular joint.

d) Describe in detail classification of synovial joint.

e) Describe in detail Arthrokinematics of knee joint.

f) Discuss Intervertebral disc in detail

SECTION - "B" LAQ (30 Marks)

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

a) Define Gait and write about phases of Gait cycle. Describe Sagittal plane analysis of Gait. Add note on any 2 pathological Gait. **[5 + 7 + 3 = 15]**

b) Describe in detail mechanism of Respiration and muscles of Ventilation.

[7 + 8 = 15]

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

a) Explain structures of Subtalar joint. Describe about Subtalar axis, Subtalar joint function. Add a note on supinated and pronated foot.

[5 + 8 + 2 = 15]

b) Explain Glenohumeral motion. Describe static and dynamic stabilization of Glenohumeral joint. Add a note on Scapulo-humeral rhythm.

[3 + 7 + 5 = 15]