51211

Second B.P.T.H. (2012) Examination, Winter 2018
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 answerbook for **all** Section.*

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

a) Define Adverse Drug Reaction (ADR). Explain the difference between type A and type B ADR ?

b) Enumerate Atropine analogues . Explain the rationale of using atropine as preanaesthetic medication.

c) Explain the mechanism of action and adverse effects of nitrates.

d) Explain the role of Sulphasalazine in the management of Rheumatoid arthritis.

e) Why Diazepam is preferred over Phenobarbitone as hypnotic ? Explain.

f) Enumerate drugs used in the treatment of Leprosy . Describe the mechanism of action and adverse effects of Clofazamine.

P.T.O.

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

a) Compare and contrast between non depolarizing and depolarizing muscle relaxant.

b) Classify drugs used in the treatment of Bronchial asthma. Explain in detail Ipratropium bromide.

c) Morphine use leads to constipation and pruritis. Explain and mention its management.

d) Classify antithyroid drugs. Give uses and adverse effects of carbimazole.

e) Define Drug antagonism. Enumerate different types of Drug antagonism citing examples.

f) Describe mechanism of action and adverse effects of Chlorpromazine.

51212

Second B.P.T.H. (2012) Examination, Winter 2018
PATHOLOGY AND MICROBIOLOGY

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

SECTION – A and SECTION – B

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

SECTION – A **(50 Marks)**
(Pathology)

1. Short answer question (**any five** out of six) : **(5×7=35)**
   a) Write a note on Myasthenia gravis.
   b) Enumerate causes of edema. Differentiate between transudate and exudate.
   c) Define neoplasia. Describe the modes of spread of a malignant neoplasm.
   d) Describe the pathology and complications of a benign peptic ulcer.
   e) Define degeneration. Describe any three types of degeneration with examples.
   f) Enumerate occupational lung diseases. Write a note on asbestosis.

2. Long answer question (**any one** out of two) : **(1×15=15)**
   a) Discuss Muscular Dystrophies.
   b) Classify arthritis. Discuss the aetiopathogenesis, manifestations, lab investigations and complications of Rheumatoid arthritis.

P.T.O.

SECTION – B (30 Marks)
(Microbiology)

3. Short answer question (**any three** out of four) : (3×5=15)
   a) Write a note on Candidiasis.
   b) Write a note on Hospital acquired infections.
   c) Write a note on Hydatid cyst.
   d) Write a note on VDRL test.

4. Long answer question (**any one** out of two) : (1×15=15)
   a) Mention the modes of transmission of HIV. 2
      Define Window period. 1
      Describe laboratory diagnosis of HIV. 10
      Mention two opportunistic fungal pathogens. 2
   b) Classify Clostridia. 2
      Describe the morphology of Clostridium welchii along with a labelled diagram. 2
      Describe the pathogenesis and laboratory diagnosis of Gas gangrene. 8
      Write a note on Nagler's reaction. 3

51213

Second B.P.Th. (2012) Examination, Winter 2018
ELECTROTHERAPY

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

SECTION – A and SECTION – B

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

SECTION – A **SAQ (50 Marks)**

1. Short answer question (**any five** out of six) : **(5×3=15)**
   a) Motor point.
   b) Chronaxie and rheobase.
   c) Any three dangers of ultrasound.
   d) Any three ions used for pain relief in iontophoresis.
   e) Strong surged faradic.
   f) Types of electrodes in IFT.

2. Short answer question (**any five** out of six) : **(5×7=35)**
   a) Discuss principles and technique of plotting SD curve.
   b) Discuss principles and uses of biofeedback.
   c) Discuss application of therapeutic current in wound care.
   d) Discuss pain pathways and pain gate theory in detail.
   e) Discuss principles and technique of application of faradism under pressure.
   f) Discuss test dose of UVR.

P.T.O.

SECTION – B **LAQ (30 Marks)**

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

   a) Discuss physiological and therapeutic effects of faradic current. Discuss Faradic reeducation in detail. **(8+7)**

   b) Discuss physiological and therapeutic effects of short wave diathermy. Discuss its danger and precaution. **(8+7)**

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

   a) Define Interferential therapy. Discuss its advantages on low frequency currents. Discuss its indication. **(3+7+5)**

   b) Discuss physiological and therapeutic effects of ultrasound. Discuss phonophoresis. Discuss its indication. **(7+5+3)**

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Second B.P.Th. (2012) Examination, Winter 2018
KINESIOTHERAPY

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

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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 answerbook for **all** Sections.*

SECTION A (50 Marks)
(SAQ)

1. Short answer question (**any five** out of six) : **(5×3=15)**
   a) What are Progressive Resisted exercises ? Describe D'Lorms method of strengthening.
   b) Define stress and strain.
   c) Brief about Free Exercises.
   d) State Grades of Manual Muscle Testing.
   e) Testing method of Hip Flexor Tightness.
   f) Describe principles of Frenkel's exercises.

2. Short answer question (**any five** out of six) : **(5×7=35)**
   a) Describe the determinants of stretching exercises.
   b) Explain types of contractures.
   c) Describe different gait patterns with crutches.
   d) Define Trick movements and its types with example.
   e) Classify Breathing Exercises and add a note on Pursed Lip Breathing.
   f) Describe Coughing and Huffing techniques.

P.T.O.

SECTION B (30 Marks)
(LAQ)

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

   a) Define muscle strength. Describe factors influencing muscle strength and principles of the muscle strength.

   b) Define joint mobility. Explain indications and contraindications of mobility exercises. Give different mobility techniques for knee joint.

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

   a) Define Human Gait. Describe in detail the Determinants and Phases of Gait Cycle.

   b) Define Posture. Explain normal postural assessment in standing sagittal plane. Describe factors affecting posture.

51215

Second B.P.Th. (2012) Examination, Winter 2018
PSYCHIATRY (INCLUDING PSYCHOLOGY)

Total Duration : 2 Hours | Total Marks : 40

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*5) Draw diagrams **wherever** necessary.*

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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) What is Learning? Mention different types of learning.

b) Any three defense mechanisms.

c) Why do we forget ?

d) Stages of Life span.

e) Define "Attention'. What are the factors that influence attention ?

f) Explain the role of psychology in our day-to-day living.

P.T.O.

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

a) Discuss mental status examination in brief.

b) What is IQ ? Describe different types of Mental retardation.

c) What are the clinical features of Attention Deficit and Hyperactivity Disorder (ADHD) ?

d) What are the different types of Schizophrenia ?

e) Discuss the clinical symptoms of Generalized Anxiety Disorder.

f) Describe in brief the Electro- Convulsive Therapy.