[Total No. of Pages : 2

51211

Second B.P.T.H. (2012) Examination, Winter - 2024 Phase - III
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.*

Q1. Short Answer questions (solve any 5 out of 6) : **[5 × 3 = 15]**

a) Write in short about Selective COX 2 inhibitors.

b) Enumerate Antiemetic drugs and add a note on Metoclopramide.

c) Write short note on drugs used for Osteoporosis.

d) Enumerate three advantages and disadvantages of Intravenous routes of administration.

e) State the mechanism of action of Disulfiram. Mention two drugs producing disulfiram like effect.

f) Compare and contrast Heparin and Warfarin.

Q2. Short Answer questions (solve any 5 out of 6) : **[5 × 5 = 25]**

a) Write classification and uses of Antihistaminics.

b) Classify Antimalarial drugs . Write short note on Chloroquine.

c) Write lifesaving Indications and Adverse effect of Corticosteroids.

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d) Write classification of semi synthetic Penicillins. Write its mechanism of action, adverse effects and uses.

e) Classify drugs used in treatment of Hypertension. Write mechahism of action , adverse effects and uses of Beta Blockers.

f) Define Adverse Drug Reaction and Describe types of adverse drug reactions with suitable examples.



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Second B.P.T.H. (2012) Examination, Winter - 2024 Phase - III
PATHOLOGY AND MICRO BIOLOGY

Total Duration : 3 Hours | Total Marks : 80

Instructions :
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7) Use a common answerbook for all Sections.

SECTION - A (50 Marks)
(Pathology)

1. Short Answer Question (any 5 out of 6) : **[5 × 7 = 35]**

a) What is calcification? Expalin types of pathologic calcification with appropriate examples
b) Explain Primary tuberculosis of Lung.
c) Differentiate between benign and malignant Neoplasms.
d) Explain pathogenesis of Rheumatoid Arthritis.
e) Discuss etiology, morphology and complications of peptic ulcer.
f) What is regeneration? Explain mechanism of wound healing by secondary intention. What can be the complications of wound healing?

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

a) Define Inflammation. Describe mechanism, cellular and vascular events of Acute inflammation.
b) Discuss etiopathogenesis gross and microscopic features of Myocardial Infarction.

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SECTION -B (30 Marks)
(Micarobiology)

3. Short Answer questions (any 3 out of 4) : **[3 × 5 = 15]**

a) Enumerate the antigen and antibody reactions. Discuss applications of agglutination reactions in diagnostic Microbiology.

b) Describe immunoprophylaxis of rabies.

c) Discuss the general principles of biomedical waste management at a hospital.

d) Enumerate fungi causing opportunistic fungal infections and discuss the laboratory diagnosis of any one of them.

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

a) Enumerate two bacteria causing meningitis. Discuss the pathogenesis and laboratory diagnosis of Streptococcal pneumoniae.

b) Discuss the intestinal and extra intestinal clinical features and laboratory diagnosis of Entamoeba histolytica.



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Second B.P.T.H. (2012) Examination, Winter - 2024 Phase - III

PSYCHIATRY (Including Psychology)

Total Duration : 2 Hours

Total Marks : 40

Instructions :

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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.*

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

a) Drive theory of Motivation.

b) Explain: Accommodation, Assimilation and Equilibrium.

c) Laws of Perceptual Organization.

d) Any three sub-fields of Psychology.

e) Role of Interference in Forgetting.

f) Define "Learning" Explain Cognitive learning.

2. Short Answer Questions (any five Out of six) :- **[5 × 5 = 25]**

a) Clinical features and management of Enuresis.

b) Alcohol Dependence.

c) Attention Deficit Hyperactive Disorder.

d) Electro-Convulsive therapy.

e) Obsessive Compulsive disorder.

f) Bipolar mood disorder.

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Second B.P.TH. (2012) Examination, Winter - 2024 Phase - III
KINESIOLOGY

Total Duration : 3 Hours

Total Marks : 80

Instructions : 1) *Use **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 answerbook for all sections.*

SECTION - A (SAQ) (50 Marks)

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

a) Difference between open & close kinametic chain.

b) Explain Anatomical pulley with a suitable example.

c) Write concave- convex rule

d) Define synergist by giving an example.

e) Define Gait Cycle and its Phases.

f) Enumerate different types of grip.

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

a) Discuss moment arm.

b) Write in detail Determinants of gait.

c) Define Creep and Hysteresis. Add a note on Stress-Strain curve.

d) Describe the Arches of foot.

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e) Discuss the kinematics of cervical spine.

f) Describe types of muscle contraction with example.

SECTION - B (LAQ) (30 Marks)

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

a) Describe kinetics and kinematics of sitting to standing and vice - versa.Explain Nutation and counter nutation with diagram.

b) Describe Shoulder complex under following headings [7+8=15]

i) Dynamic stabilization of shoulder

ii) Kinematics of shoulder complex. Add a note on scapulo-humeral rhythm.

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

a) Discuss the kinetics and kinematics of tibio-femoral joint. Describe Q angle along with its importance. **[10 + 5 = 15]**

b) Discuss the kinematics and kinetics of elbow joint. Add a note on carrying angle. **[7 + 5 + 3 = 15]**

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Second B.P.TH. (2012) Examination, Winter - 2024 Phase - III
KINESIOTHERAPY

Total Duration : 3 Hours | Total Marks : 80

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

SECTION - "A"

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

a) Write a note on the Delayed Onset muscle soreness (DOMS)
b) Active insufficiency of muscles
c) State various types of nebulizers.
d) Define 1 RM and 10 RM
e) Write a note on Bridging.
f) Enumerate principles of Frenkle's exercises

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

a) Define Trick movement. Describe various types of trick movements.
b) Discuss in brief the Concave- Convex rule
c) Define Co-ordination. Write about the exercises to improve upper limb coordination
d) Write in detail about the different types of spinal traction.
e) Write principles of home program and ergonomic advice for ADL's.
f) Explain in detail the stress-strain curve.

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SECTION - "B"

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

a) Describe physical properties of water. Write about the physiological and therapeutic effects of hydrotherapy. Write indications and contra-indications of hydrotherapy. **[2+8+5]**

b) Describe principles of strengthening. Enumerate factors influencing muscle strength. Design an exercise program to train shoulder flexors from grade 3 to 5. **[6+3+6]**

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

a) Describe various types of mobility exercises. Write a note on exercises to improve ankle mobility. **[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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Second B.P.TH. (2012) Examination, Winter - 2024 Phase - III
ELECTROTHERAPY

Total Duration : 3 Hours | Total Marks : 80

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3) ***All** questions are **compulsory.***
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7) *Use a common answerbook for all sections.*

SECTION - "A" SAQ (50 Marks)

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

a) Any three electrode used in SWD.
b) Three advantages of IFT currents.
c) Write any three drugs used in Phonophoresis.
d) Enumerate three properties of Lasers.
e) Three Contraindications for Russian currents.
f) Enumerate Types of UVR.

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

a) Indications and physiological effects of IRR.
b) Dangers and Safety precautions for use of Therapeutic Lasers
c) Contraindications and Precautions while treating patients with Infrared Radiations.
d) Procedure for UVR test dose.
e) Physiological effects and Therapeutic uses of Laser therapy.
f) Physiological effects of UVR.

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SECTION - "B" LAQ (30 Marks)

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

a) Describe Shortwave diathermy under following headings.

i) Physiological effects. [6]

ii) Therapeutic effects and uses. [6]

iii) Contraindications. [3]

b) Describe Ultrasound under following headings.

i) Types of application/modes. [7]

ii) Thermal effects. [5]

iii) Contraindications. [3]

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

a) Describe IFT under following headings.

i) Indications [7]

ii) Different methods of application/Electrode placements [5]

iii) Contraindications. [3]

b) Define constant galvanic current. [2]

Describe Physiological and therapeutic effects. [8]

Describe iontophoresis with Ions used. [5]

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