Second B.P.Th. (2012) Examination, Winter - 2022
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 answerbook for **all** sections.*

SECTION- "A" SAQ (50 Marks)

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

   a) Modulus of elasticity
   b) Trick movements
   c) Isokinetic contraction
   d) Characteristics of good posture
   e) Three parameters of gait
   f) Define muscle strength, muscle power and muscle endurance

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

   a) Describe the measurement of crutches. Explain the types of crutch walking.
   b) Discuss about Progressive resisted exercises.
   c) Write down assessment of erect standing posture in sagittal plane

d) Discuss the principles of strength training

e) Define of co-ordination. Write about the exercises to improve co-ordination

f) Mention indications and contraindications of hydrotherapy. Explain the physiological effects of hydrotherapy.

SECTION-"B" LAQ (30 Marks)

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

a) Definition, types and principles of muscle stretching. Describe the technique of stretching of knee flexors and ankle plantar flexors. **[8+7]**

b) Definition, indications, contraindications and grades of joint mobilization. Describe the technique of mobilization of knee joint. **[8+7]**

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

a) List the types of breathing exercises and write down their technique. goals and uses. Give a brief note on ACBT and Autogenic drainage. **[10+5]**

b) Definition, indications and contraindications of Postural drainage. Describe the technique of removal of secretions from right upper lobe. **[6+9]**



Second B.P.Th. (2012) Examination, Winter - 2022
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 answerbook for **all** sections.*

SECTION- "A" SAQ (50 Marks)

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

a) Three types Diadynamic currents.
b) Write 3 differences between faradic and galvanic current.
c) Define Motor point.
d) What is Phonophoresis.
e) Write uses of Russian currents
f) Three points on role of LASER in wound healing.

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

a) What are strength duration curves.Describe interpretation of strength duration curve. **[2+5]**
b) Describe physiological and therapeutic effects of Infrared Radiation. **[3+4]**
c) Describe test dose calculation of Ultra Violet Radiation.

d) Describe uses of Biofeedback.

e) Describe principles of application and indication of faradism under pressure. [5+2]

f) Define Intophoresis. Describe method of application of it with an example. [2+5]

SECTION- "B" LAQ (30 Marks)

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

a) With respect to Short Wave Diathermy: describe methods of applications, describe physiological effects, enlist indications and contraindications. [6+5+4]

b) With respect to Ultra Sound:describe methods of applications, describe therapeutic effects, enlist dangers and precautions. [6+5+4]

4. Long answer questions (**any one** Out of two): [1×5=15]

a) With respect to Interferential Therapy: describe methods of applications, describe physiological effects, enlist indications and contraindications. [6+5+4]

b) With respect to Transcutaneous Electrical Nerve Stimulation:describe its types, describe physiological effects, enlist indications and contraindications. [6+5+4]



Second B.P.Th. (2012) Examination, Winter - 2022
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 answerbook for **all** sections.*

SECTION-A SAQ (50 Marks)

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

a) Pump handle motions.
b) Discuss classification of muscles.
c) Discuss spherical grip.
d) Define motor unit.
e) Write three difference between type 1 and type 2 muscle fiber.
f) Concave convex rule.

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

a) Explain factors affecting muscle function:
b) Kinematics of Tempero mandibular joint.
c) Explain Scapulohumeral rhythm.
d) Note on ligament of wrist joint.
e) Discuss kinematics of hand complex.
f) Kinematics of elbow joint.

P.T.O.

SECTION-B LAQ (30 Marks)

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

a) Explain structures and function of subtalar joint. Describe about subtalar axis, . Add a note on supinated and pronated foot. [5+5+5]

b) Discuss Gait cycle. Discuss it's phases. Discuss kinematics of Gait cycle. [3+5+7]

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

a) Discuss shoulder joint complex in detail under following headings. [5+5+5]

- Articulations
- Kinematics
- Kinetics

b) Discuss knee joint in detail under following headings. [5+5+5]

- Articulations
- Kinematics
- Kinetics



[Total No. of Pages : 2

51211

Second B.P.Th. (2012) Examination, Winter - 2022
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** sections.*

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

a) Describe plasma protein binding of drugs with suitable examples
b) Classify antipsychotics. Describe chlorpromazine with regards to its one indication and one adverse drug reaction
c) Compare and contrast Iron dextran and Iron sorbitol citric acid complex
d) Discuss the management of status asthmaticus.
e) What are advantages and disadvantages of oral route of administration?
f) Mention the drugs used for dry cough. Describe codeine in short.

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

a) Classify semisynthetic penicillins, Mention its uses.
b) Mention different types of shocks. Add a note on management of septic shock.

Describe the mechanism of action and ad
Contraceptive Pills.

) Classify antihypertensive drugs. Discuss t
disadvantages of drug combinations used in treatm

e) Enlist the drugs used in Constipation. Mention in brie
overuse of purgatives.

f) Enumerate drugs used in Leprosy. State the manag
reactions.

☼ ☼ ☼

Second B.P.Th. (2012) Examination, Winter - 2022
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 answerbook for **all** sections.*

SECTION- A (50 Marks)
(Pathology)

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

a) Distinguish Dystrophic from Metastatic calcification.
b) Discuss Portal Hypertension in Cirrhosis.
c) Discuss Laboratory investigations in Iron Deficiency Anaemia.
d) Differentiate between benign and malignant tumours.
e) Describe pathology of Myasthenia Gravis.
f) Describe briefly Osteomyelitis.

2. Long answer questions (**any five** out of six): **[1×15=15]**

a) Define inflammation. Describe vascular and cellular events of inflammation. Enumerate various chemical mediators of inflammation.
b) Define thrombosis. Describe etiopathogenesis of thrombosis. Discuss the various types of thrombi and fate of a thrombus.

P.T.O.

SECTION- B (30 Marks)
(Microbiology)

3. Short answer questions (**any three out of four**): [3×5=15]
   a) Write a note on Universal safety precautions.
   b) Explain Immunoprophylaxis for poliomyelitis.
   c) Write morphological classification of fungi with suitable examples.
   d) Write a note on laboratory diagnosis of Malaria.

4. Long answer questions (**any one out of two**): [1×15=15]
   a) Define an antigen & an antibody. [3]
   Enlist the different types of serological reactions. [3]
   Define Precipitation reaction with respect to its types and applications. [9]
   b) Describe the morphology of *Clostridium welchii* along with a labeled diagram. [4]
   Describe the pathogenesis and laboratory diagnosis of Gas gangrene. [8]
   Write a note on Nagler's Reaction. [3]

[Total No. of Pages : 2

51215

Second B.P.Th. (2012) Examination, Winter - 2022
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 questions (**any five** out of six): **[5×3=15]**

a) Write a note on Behaviorism and Gestalt school of Psychology.

b) Monocular and Binocular cues of visual depth perception.

c) What is Frustration and what are the sources of Frustration?

d) What is difference between normal and abnormal psychology and how its role in Physiotherapy?

Q.2 a e) Write a note on Phobia.

f) Explain the information - processing model of memory.

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

Q.1 e a) Explain with examples- reaction formation and rationalization as a defense mechanism

b) Clinical features and management of Conduct disorders.

c) Clinical features and management of Autism disorder.

d) Clinical features and management of Bipolar mood disorders.

e) Write a note on Alcohol dependence and its management.

f) What are the symptoms and types of schizophrenia.

