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Paper Code : BPT-201

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Bachelor of Physiotherapy (B.P.T.)
2nd Year Examination
GENERAL & HEALTH PSYCHOLOGY

Time : 3 Hours]

[Max. Marks :70

Note: Attempt all questions.

SECTION A

Q.1 Attempt any two questions of this section. [12.5×2=25

- a. What is Learning? What are its distinguishing features?
- b. What is Motivation? Write about various Physiological Motives.
- c. Discuss role of Personality factors in perception of pain?

SECTION B

Q.2 Attempt any Five questions.(Short Notes) [5×7=35

- a. Creative Thinking.
- b. Quality of a good Physiotherapist.
- c. Health Psychology.
- d. Steps in conducting scientific research.
- e. Cognitive, and Behavioral aspect of self.
- f. Behavior Modification.

SECTION C[Very Short Questions]

Q.3. Differentiate between any four [2.5×4=10

- a. Type of Substance abuse.
- b. Types of motives.
- c. Role of defense Mechanisms recovery.
- d. Method of memory measurement.
- e. Psychological reaction of a patient.

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Bechelor of Physiotherapy (B.P.T.)

II Year Examination

PATHOLOGY & MICROBIOLOGY

Time : 3 Hours]

[Max. Marks : 70

Note: Attempt any three questions of these sections. Q.No 1 is compulsory. Draw well labelled diagram, wherever necessary.

SECTION A (PATHOLOGY)

Q1. Differentiate between any two of following

[2×7.5=15]

- a. Necrosis & Apoptosis
- b. Transudate and Exudate
- c. Benign and Malignant Tumor

Q2. Write short notes on any two of the following:-

[2×5=10]

- a. Rheumatoid Arthritis
- b. Antioxidants and Free Radicals
- c. Vitimin C

Q3. Write short note on any two of the following:-

[2×5=10]

- a. Factors affecting wound healing
- b. VOLKMANN'S ISCHEMIA
- c. LABORTARY DIAGNOSIS OF MEGALOBlastic ANEMIA.

Q4. Attempt any two Enumerate the following:-

[2×5=10]

- a. STAGES OF LOBAR PNEUMONIA.
- b. ROUTES OF METASTASIS
- c. SIGNS OF INFLAMMATION.

SECTION B (MICROBIOLOGY)

1. Attempt any Two questions. All carry equal marks. [7.5x2=15]

- a. Define sterilization? Describe moist heat sterilization.
- b. Discuss laboratory diagnosis of Mycobacterium tuberculosis infection?
- c. Explain the concepts of Innate immunity and Acquired immunity?

2. Attempt any Five questions. [5x2=10]

- a. Describe the methods of transmission of Infection?
- b. Hospital acquired infection.
- c. Broth dilution method.
- d. General Properties of virus.
- e. Type-II hypersensitivity.
- f. Mechanism of Antibiotic resistance.

3. Attempt any Two questions:

[2x5=10]

- a. Describe the steps of Hand hygiene.
- b. Shapes and different arrangement of bacteria.
- c. Type V hypersensitivity.

Bechelor of Physiotherapy (B.P.T.)
2nd Year Examination
BIOCHEMISTRY & PHARMACALOGY

Time : 3 Hours]

[Max. Marks :70

Note: Attempt all questions. As per instruction.

SECTION A (BIOCHEMISTRY)

Q.1 Write brief answers of the following (Any Three)

[3×5=15]

- a. Classify protein with its structure and functions.
- b. Diabetes Mellitus
- c. Factors affecting enzyme activity.
- d. Vitamin-D-Sources, RDA and deficiency disorders.

Q.2 Attempt any two Draw only diagram/ cycle/ [5×2=10 pathway:-

- a. Glycolysis
- b. Urea cycle
- c. TCA cycle

Q.3. Short Answer on any five.

[5×2=10]

- a. Deficiency manifestations of Vitamin C.
- b. Functions of lipid.
- c. Classification of carbohydrate
- d. Non competitive Inhibition.
- e. Jaundice
- f. Tertiary structure of protein.

SECTION B (PHARMACALOGY)

1. Enumerates drugs used in any four of following diseases. [12.5]
 - a) Body ache & sprain
 - b) Anxiety
 - c) Hypertension
 - d) Acid-prepsin disease (Peptic ulcer)
 - e) Diabetes mellitus
2. List adverse effects of (any four) [12.5]
 - a) Morphine
 - b) Anabolic steroids
 - c) Anticogulants
 - d) Skeletal muscles relaxants
 - e) Phenytoin
3. Describe in brief treatment of : (any four) [10]
 - a) Chloroquine resistant malaria
 - b) Migraine
 - c) Anemia
 - d) Osteoarthritis
 - e) Acute Gout

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Bachelor of Physiotherapy (B.P.T.)
2nd Year Examination
ELECTRO THERAPY - II

Time : 3 Hours]

[Max. Marks : 75

Note: This question paper is divided into three sections - Section A (Long Answer), Section B (Short Answer) & Section C (Very short answer). Attempt all the questions as per instructions.

SECTION A

A. Attempt any Two questions of this section.

[15x2=30

1. What is cryotherapy. Describe its therapeutic effects, indication and contraindication.
2. Define IFT. Describe method of application and physiological effects of IFT. Add a note on contra indication of IFT.
3. Define SWD. Discuss therapeutic effect, indication and contra indication of SWD.

SECTION B

B. Attempt any Five questions:

[5x7=35

- (i) Write physiological effects and indication of ultrasound therapy.
- (ii) Physiological effects of cryotherapy
- (iii) Write indication and contra indication of LASER therapy
- (iv) Write principles and therapeutic effects of biofeedback. Add a note on its contra indication.
- (v) Write indication and contra indication of IRR
- (iv) Write physiological effects of heat.

SECTION C

C. Write very short answer on any four:

[2.5×4=10]

- (i) Levies hunting reaction
- (ii) Neuropeaxia
- (iii) Indication of intermittent pneumatic therapy
- (iv) Difference between faradio and galuanic current
- (v) Contra indication of MWD

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Printing Page(s) : 2

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Bachelor of Physiotherapy (B.P.T.)
2nd Year Examination
EXERCISE THERAPY - II

Time : 3 Hours]

[Max. Marks : 75

Note: This question paper is divided into three sections - Section A (Long Answer), Section B (Short Answer) & Section C (Very short answer). Attempt all the questions as per instructions.

SECTION A

A. Attempt any Two questions of this section. **[15x2=30]**

1. Define posture. Write in detail about normal and abnormal posture?
2. Define traction. Write in detail about type, physiological & therapeutic effect, Indication and contra indication, operational skills and precautions.
3. Define group Therapy exercise. Explain

SECTION B

B. Attempt any Five questions: **[5x7=35]**

- (i) Differentiate between various chest expansion exercise
- (ii) Define hydrotherapy
- (iii) Define yoga
- (iv) Strengthening exercise
- (v) Define GAIT
- (iv) What are ADLs? Explain

SECTION C

C. Write very short answer on any four:

[2.5×4=10]

- (i) Laughter therapy
- (ii) Contra indication of mobilization
- (iii) Static and dynamic balance
- (iv) Walking Aids
- (v) Example of static and dynamic posture

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