

Enrollment No.

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Bachelor of Physiotherapy (BPT)

2nd Year/ 3rd SEM Examination

Subject – Exercise Therapy II

Paper Code : BPT -301

[Time : 3 hours

Max. Mark : 70]

Note: Attempt the all question as per the instructions.

Section A(MCQ's)

MCQ's - Attempt all questions.

(20x1=20)

Q1- Relaxed passive movement is useful for _____.

- a) Muscle strengthening
- b) Improving joint range of motion
- c) Remembrance of pattern of movement
- d) Improving co-ordination

Q2- Forced passive movement is contraindicated for _____ joint.

- a) Hip
- b) Knee
- c) Elbow
- d) Spine

Q3- Joint mobilization is contraindicated in _____.

- a) Soft tissue tightness
- b) Joint stiffness
- c) Loose body inside the joint
- d) Bursitis

Q4- End feel of _____ is bony.

- a) Knee extension
- b) Elbow extension
- c) Ankle df
- d) Forearm supination

Q5- Glenohumeral anterior glide can improve

- a) Extension range
- b) Flexion range
- c) Extension and external rotation
- d) Flexion and internal rotation range

Q6- To test Quadriceps for grade 2, the subject should lay _____.

- a) On affected side
- b) On sound
- c) In supine
- d) In prone

Q7- The dangers of hydrotherapy is _____.

- a) Slippage and fall
- b) Drowning
- c) Infection
- d) All the above

Q8- The contraindication of hydrotherapy is _____.

- a) Convulsions
- b) Respiratory diseases
- c) Incontinence of bowel & bladder
- d) All the above

Q9- Tightness is same as

- a) Scar tissue adhesion
- b) Adaptive shortening
- c) Transient contracture
- d) Contracture

Q10- Ballistic stretching is helpful for

- a) Musculoskeletal patients
- b) Neurological patients
- c) Athletes
- d) All of the above

Q11- Which is the best method for stretching tight structures?

- a) Manual stretch
- b) Prolonged cyclic
- c) Prolonged sustained stretching
- d) Ballistic stretching

Q12- Tightness is same as

- a) Scar tissue adhesion
- b) Adaptive shortening
- c) Transient contracture
- d) Contracture

[P.T.O.]

- Q13- Kaltenborn has described _____ grades
 a) 4 b) 3 c) 5 d) None of the above
- Q14- Glenohumeral anterior glide can improve
 a) Extension range
 b) Flexion range
 c) Extension and external rotation
 d) Flexion and internal rotation range
- Q15- Joint mobilization is contraindicated in _____.
 a) Soft tissue tightness b) Joint stiffness c). Loose body inside the joint d) . Bursitis
- Q16- Stretching is the _____.
 a) Slow and sustained forced passive movement
 b) Sudden but controlled forced passive movement
 c) Relaxed passive movement
 d) Manipulation
- Q17- Which of the following is characteristic of closed kinetic chain exercises?
 a) Distal end fixed
 b) More sheer stress created
 c) An example would be leg extensions with free weights
 d) Distal end not fixed
- Q18- Which of the following is characteristic of open kinetic chain exercises?
 a) Distal end fixed b) Squatting c) Less sheer stress d) Distal end not fixed
- Q19- Which of the following is best defined as repeated, rapid stretching, such as bouncing?
 a) Ballistic stretching
 b) Plyometric stretching
 c) Passive stretching
 d) Static stretching
- Q20- Which of the following best describes a gradual stretch over 15 seconds?
 a) Ballistic stretching b) Plyometric stretching c) Passive stretching d) Static stretching

Section – B(Short Answer questions)

Question 2 - Attempt any five questions

(5*2=10)

- (a) Mat Exercises
- (b) Cadence
- (c) Musclecontraction
- (d) Contracture
- (e) Nebulization
- (f) Active Movement

Question 3 – Attempt any two questions

(2*5=10)

- (a) Write in brief Frenkel's Exercises
- (b) Write in detail about MMT.
- (c) Discuss about the Functional re-education.

Section – C(Long Answer questions)

Question 4 - Attempt any two questions

(2*15=30)

- (a) Discuss in detail about Breathing exercise. Types, therapeutic effect & uses?
- (b) Define Joint Mobility .its principles , indication & Contraindication..
- (c) Explain GAIT in detail with its parameters.

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Bachelor of Physiotherapy (BPT)

3rd Semester Examination

Subject - Electrotherapy-II

Paper Code : BPT - 302

Time : 3 hours

Note: Attempt the all question as per the instructions.

Max. Mark : 70,

Section A (MCQ's)

MCQ's - Attempt all questions.

(20x1=20)

Q1- What is an indication for shortwave diathermy?

- a) Chronic prostatitis
- b) Refractory pelvic inflammatory disease
- c) Muscle pain and spasms
- d) All of the above

Q2- What is an effect of ultrasound in the pulsed mode?

- a) Standing waves
- b) Cavitations
- c) Media motion
- d) All of the above

Q3- Which of the following is also called a Bernard current?

- a) Diadynamic current
- b) Galvanic current
- c) Micro current
- d) Faradic current

Q4 - Contraindication of the TENS?

- a) Muscle spasm
- b) Chronic inflammation
- c) Arthritis
- d) Open wound

Q5- Therapeutic ultrasound head is also Known as

- a) Applicator
- b) Transducer
- c) Both of above
- d) None of above

Q6- Russian current is

- a) Low frequency
- b) Medium frequency
- c) High frequency
- d) None of the above

Q7- Galvanic current is ____.

- a) An alternating current
- b) A direct current
- c) Interrupted current
- d) Modified current

Q8- The unit of capacitance is

- a) Ampere
- b) Volt
- c) Farad
- d) None of the above

Q9- _____ is the area in which interferential current is set-up remains stationary.

- a) Static interference
- b) Dynamic interference
- c) Beat Interference
- d) All of the above

Q10- Which of the following is not myelinated?

- a) A beta fiber
- b) C fiber
- c) A Delta fiber
- d) None

Q11-Biofeedback is a specialized form of feedback that provides information directly to the patient about internal biological mechanisms.

- a) The above statement is incorrect.
- b) The above statement is correct.
- c) The above cannot be proved.
- d) The above statement is not possible

Q12- _____ is the area in which interferential current is set-up remains stationary.

- a) Static interference
- b) Dynamic interference
- c) Beat Interference
- d) All of the above

Q13- Which is not a method of applying SWD ?

- a) Coplanar Method
- b) Crossfire Method
- c) Contraplanar Method
- d) Dip Method

[P.T.O.]

Q14--_____ is a method of electrical stimulation which primarily aims to provide a degree of symptomatic pain relief by exciting sensory nerves and thereby stimulating the pain gate mechanism.

- a) LASER b) IR c) TENS d) SWD

Q15- Which current can be used to stimulate denervated muscles?

- a) Galvanic current
b) Faradic current
c) Both a and b
d) Neither a nor b

Q16--What is an indication for ultrasound?

- a) Bursitis
b) Tendinitis (calcific tendinitis)
c) Degenerative arthritis and contracture
d) All of the above

Q17- Indications of TENS

- a) Osteogenic Pain
b) Myogenic Pain
c) Neurogenic Pain
d) All of the above

Q18- A current that produces greater muscular hypertrophy with gain in strength is:

- (a) Direct current
(b) Faradic current
(c) Russian current
(d) Didynamic current

Q19- Which of the following is a medium frequency electrotherapy modality?

- a) IFT
b) Russian current
c) Both a and b
d) None of the above

Q20- Which of the following is also called a Bernard current?

- a) Diadynamic current
b) Galvanic current
c) Micro current
d) Faradic current

Section - B (Short Answer questions)

Question 2 - Attempt any five questions

(5*2=10)

- (a) Ohm's law
(b) Contrast bath
(c) Define IRR
(d) Uses of ultrasound
(e) Interferential currents
(f) Contraindications of cold therapy

Question 3 - Attempt any two questions

(2*5=10)

- (a) Define physiological effects of PWB in detail?
(b) Mention the technique and methods of application of I.R?
(c) Define SWD in detail?

Section - C (Long Answer questions)

Question 4 - Attempt any two questions

(2*15=30)

- (a) Define UVR. Classification physiological effect, indication & contraindication?
(b) What are Medium frequency currents? Answer the following questions:
-Definition and types
-Physiological and therapeutic effects
-Technique and method of application
-Effects and uses
-Indications and contraindications

(c) Discuss about the TENS, Physiological effect, indication and contraindication?

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Bachelor of Physiotherapy (BPT)**2nd YEAR 3rd SEM. Examination****MICROBIOLOGY (BPT-303)****Time:- 1:30****Maximum Marks: 35****SECTION – A****(10×1 = 10 Marks) Multiple choice questions (MCQs)**Q1). Conventional culture media for *Mycobacterium tuberculosis* is:

- a) Loeffler's serum slope media
- b) Potassium tellurite agar
- c) Lowenstein Jensen
- d) Robertson cooked meat

Q2). Primary stain in ZN stain is:

- a) Carbol-fuchsin
- b) Saffranin
- c) methylene blue
- d) Iodine

Q3). Syphilis is transmitted through:

- a) Inhalation
- b) Sexual contact
- c) Ingestion
- d) None of the above

Q4). *Mycobacterium tuberculosis* is transmitted by :

- a) Inhalation
- b) Sexual contact
- c) Ingestion
- d) All of the above

Q5). Syphilis is caused by:

- a) *Escherichia coli*
- b) *Mycobacteria*
- c) *Treponema pallidum*
- d) *Leptospira*

Q6). Hepatitis virus that spreads by fecal-oral route:

- a) Hepatitis A
- b) Hepatitis B
- c) Hepatitis C
- d) Hepatitis D

[P.T.O.]

Q7). Germ tube test is diagnostic for:

- a) *Candida glabrata* b) *Candida albicans*
c) *Cryptococcus* d) *Coccidioides immitis*

Q8). Media used for fungal culture is:

- a) MHA b) CLED
c) SDA d) MacConkey agar

Q9). Resistance to infections that an individual possesses by his genetic & constitutional make-up is called as:

- a) Innate immunity b) Acquired immunity c) Artificial immunity
d) Passive immunity

Q10). The cells begin to divide and their number increases exponentially in the following phase?

- a) Stationary phase b) Phase of decline
c) Log phase d) Lag phase

SECTION – B

Note: Attempt any five questions .

(5×2= 10)

Q.1 Define antiseptic

Q.2 Define Acquired Immunity

Q.3 Type I Hypersensitivity

Q.4 Different types of Culture media used in microbiology

Q.5 Define mycology

Q.6 Write Dry heat

Note: Attempt all question

[3×5=15]

Q.1 List down the various culture media used in Microbiology

Q.2 Morphological classification of Bacteria.

Q. Define Infection. Describe different routes of transmission of infection.

(A) (SVSU) : 2023-2024/R

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BACHELOR OF PHYSIOTHERAPY (BPT)
2ND YEAR, 3RD SEMESTER EXAMINATION
SUBJECT SOCIOLOGY : PAPER CODE : BPT 304

[Time : 1.30Hours]

[Max. Marks : 35]

Note : This paper is divided into three sections A, B and C . Attempt all the sections as per instructions .

SECTION- A

1. Choose the correct option :

$$1 \times 10 = 10$$

- 1X10=10
- What is sociology ? It is the study of
(a) Society (b) Legal society (c) Animal Husbandry (d) Birds
 - Monogamy marriage found in Indian family. It is related to
(a) One wife many husband (b) One husband and many wives (c) Fraternal (d) Non Fraternal
 - Write the relationship between Sociology and Physiotherapy . It is called as ...
(a) Zoology (b) Sociology of Physiotherapy (c) Legal sociology (d) None of them
 - Two generation are living under the one roof. It is called as ..
(a) Joint family (b) Nuclear family (c) Three generation family (d) None of them
 - Sociology of physiotherapy related to
(a) Public Health (b) Microbiology (c) Anatomy (d) Physiology
 - AIDS is a social problem . The main cause is -----
(a) Health (b) Poverty (c) Caste system (d) Environment
 - Poverty is based on-----
(a) Industry (b) Economic status (c) Less source of income (d) Construction
 - Farming Society is based on -----
(a) Industry (b) Factory (c) Agrarian (d) Construction
 - Husband ,wife and their children are living under the one roof. It is called as ..
(a) Joint family (b) Nuclear family (c) Three generation family (d) None of them
 - Beggary is a social problem of Indian Society. The main cause is -----
(a) Unprotected sex (b) Poverty (c) Caste system (d) Environment
 - Which is the importance of Hindu marriage.
(a) Permanent (b) Contract (c) Sanskar (d) None of them

SECTION- B (Short Answer Type)

5 x2 =10

Attempt any five questions of the following.

1. Write the differences between Sociology and History .
2. Write the differences between Industrial and Rural Community.
3. What do you know about Indian Family ?
4. Describe the importance of Hindu Marriage in India.
5. Describe the relation of sociology with other social sciences?
6. Write the various social problems of India?

SECTION- C (Long Answer Type)

5x3 = 15

Attempt any five questions of the following.

1. Describe the importance of Hindu Marriage in India.
2. Describe the relation of sociology with other social sciences?
3. Write the various social problems of India?
4. Discuss the relationship between sociology and society.
5. Write the differences between Urban and Village Community.
6. Write a short note on any social Problem

Printing Pages : 2

Paper Code : BPT-305
(B) (SVSU) : 2023-2024/R

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Bachelor of Physiotherapy (BPT)
2nd Year, 3rd Semester Examination**Subject –Pharmacology, Paper Code :BPT -305****Time :1.30 hours****Max.Mark : 35****Note: Attempt the all question as per the instructions.****Section A(MCQ's)****Question 1- Attempt all questions.****(10*1=10)**

1- Treatment of choice for anaphylactic shock is.

- a) Intravenous Adrenaline
- b) Subcutaneous Noradrenaline
- c) Subcutaneous Adrenaline
- d) Intravenous Hydrocortisone

2- All are first line drugs for Tuberculosis except.

- a) Ethionamide
- b) Ethambutol
- c) Pyrazinamide
- d) Isoniazid

3- Which of the following drugs is given intravenously.

- a) Warfarin
- b) Heparin
- c) Rivaroxaban
- d) Dabigatran

4- Which of the following drugs is not given to patients with gout?

- a) Allopurinol
- b) Pegloticase
- c) Colchicine
- d) Methotrexate

5- Which of the following is not an α_1 blocker.

- a) Labetalol
- b) Yohimbine
- c) Prazosin
- d) Tamsulosin

[P.T.O.]

- 6- Longer acting Insulin analogue is.
- Lispro
 - Aspart
 - Glulisine
 - Detemir
- 7- Mechanism of action of penicillin is.
- By inhibiting cell wall formation
 - By inhibiting Translocation
 - By inhibiting Transcription
 - By inhibiting DNA gyrase
- 8- which of the following drugs act by inhibiting HMG-CoA reductase.
- Rosuvastatin
 - Cilastatin
 - Gemfibrozil
 - Colestipol
- 9- Which of the following is a prodrug.
- Enalapril
 - Carbidopa
 - Prednisolone
 - Digoxin
- 10- Lignocaine acts by blocking.
- Ca^{+2} channel
 - K^{+} channel
 - Na^{+} channel
 - BZD receptor

Section – B (Short Answer questions)

Question 2 - Attempt any five questions (5*2=10)

- Ceftriaxone
- Succinyl choline
- Streptomycin
- Hydrocortisone
- H_2 blockers
- Neostigmine

Question 3 – Attempt any three questions (3*5=15)

- Sources of drugs
- Oral contraceptives
- Selective Serotonin Reuptake inhibitors
- Oral hypoglycemic drugs

23/12/23

Printing Pages : 2

Paper Code : BPT-306
(B) (SVSU) : 2023-2024/R

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Bachelor of Physiotherapy (BPT)
2nd Year 3rd Semester Exam Examination
Subject – Basic Professional Practice & Ethics,
Paper Code : BPT -306

Time : 1:30 hours

Max. Marks: 35

Note: Attempt the all question as per the instructions.

Section A(MCQ's)

Question 1- Attempt all questions. (10*1=10)

1- Communication is always a ----- way process.

- a) One
- b) Two
- c) Three
- d) Four

2- A health care provider should work ----- in the team.

- a) Differently
- b) Cooperatively
- c) Both
- d) None of above

3- Delivering a message by mean's other than speaking or writing is called-----

- a) Non verbal
- b) Verbal
- c) Oral
- d) Written

4- Hospital term is origin from latin word-----

- a) Hospes
- b) Horse
- c) A&B
- d) None of above

5- Ethics is the Science of -----

- a) Beauty
- b) Truth
- c) Conduct
- d) Mind

[P.T.O.]

6-Type of words used for verbal communication?

- a) Acronyms
- b) Simple
- c) Technical
- d) None

7-Component of Hospital Includes-----

- a) Clinical services
- b) Nursing services
- c) Support services
- d) All of above

8- Straight body posture shows what

- a) Pride
- b) Humanity
- c) Both
- d) Confidence

9- Which one of the following disease is a communicable?

- a) Rickets
- b) Cholera
- c) Diabetes
- d) Hypertension

10- A-----is the prediction for the course of disease.

- a) Prognosis
- b) Diagnosis
- c) Both
- d) All of above

Section – B (Short Answer questions)

Question 2- Attempt any five questions

(5*2=10)

- (a) What is concept of morality?
- (b) Ethical code of conduct.
- (c) What is medical loyalty and trust?
- (d) Types of interview skills ?
- (e) What is Inform consent form ?
- (f) What is patient right in medical field.

Question 3 - Attempt any three questions

(3*5=15)

- (a) Explain the scope of physiotherapy in medical field ?
- (b) Discuss introduction & history of physiotherapy ?
- (c) Highlight the importance of professional dress codes ?
- (d) Describe the role of communication skills in medical field.
