

## P.P. SAVANI SCHOOL OF PHYSIOTHERAPY

END SEMESTER EXAMINATIONS, 3<sup>RD</sup> SEMESTER , JAN 2018

## SUBJECT: PATHOLOGY &amp; MICRIBIOLOGY

## SECTION – I PATHOLOGY

Q-1. LONG QUESTION (10 marks)

1. Define Inflammation. Explain cellular events in acute inflammation & its mediators.

OR

1. Classify Anemia. Explain in detail Iron deficiency anemia.

Q-2. Write short notes on ANY TWO of the following (10 marks)

1. Amyloidosis
2. Complications of Diabetes mellitus
3. Laboratory diagnosis of Cancer

Q-3. Write in short on ANY FIVE of the following (15 marks)

1. Hypertrophy
2. Crohn's disease
3. Gouty arthritis
4. Osteomyelitis
5. Hemophilia
6. Blood groups

SECTION – II MICROBIOLOGY

Q-1. LONG QUESTION

(10 marks)

1. Define Sterilization. Explain Dry heat sterilization

OR

2. Explain the various mechanisms of innate immunity.

Q-2. Write short notes on **ANY TWO** of the following

(10 marks)

1. Typhoid fever

2. Arrangements of bacteria

3. Autoclave

Q-3. Write in short on **ANY FIVE** of the following

(15 marks)

1. Radiation sterilization

2. IgM

3. Pasteurization

4. Compliment fixation test

5. Laboratory diagnosis of AIDS

6. Pulmonary Tuberculosis

# P P SAVANI UNIVERSITY

Third Semester of BPT Examination

SEPD1020- Communication Skills

1.2.2018

Time: 10:00 a.m. To 12:30 p.m.

Maximum Marks: 60

## Instructions

1. The question: paper comprises of two sections.
2. Section I and II must be attempted in separate answer sheets.
3. Make suitable assumptions and draw neat figures wherever required.
4. Use of scientific calculator is allowed.

<b>SECTION - 1</b>		
<b>Q-1</b>	<b>Answer the following. (Any 5)</b>	<b>[10]</b>
I)	State the various forms of Communication.	
II)	What is Aggressive style of communication & how is it a barrier to effective communication?	
III)	Explain Kinesics, Proxemics & Chronemics.	
IV)	What is Assertive Style of Communication? What are its benefits?	
V)	State the ways in which we can improve our Non Verbal Communication.	
VI)	Write a paragraph (in 100 words) on importance of communication for Managers.	
VII)	What are the Cross Cultural Barriers in Communication?	
<b>Q-2</b>	<b>Answer the following.</b>	<b>[10]</b>
	Explain the Assertive style of Communication. How can you develop this style of communication?	
<b>Q-3</b>	<b>Answer the following.</b>	
A)	Explain the process of communication with the help of its model.	<b>[05]</b>
<b>OR</b>		
A)	Write a note on any three barriers to effective communication. Give appropriate examples.	
B)	How will you overcome Cross Cultural Communication barriers?	<b>[05]</b>
<b>OR</b>		
B)	Enlist the types of non-verbal communication. Discuss any two of them in detail	

**SECTION - 2**

<b>Q-4</b>	<b>Answer the following. (Any 5)</b>	<b>[10]</b>
I)	Define Group Work. State any two benefits of Group Work.	
II)	What is presentation? Explain different purposes of making presentations.	
III)	State Transformational Leadership & state its advantages.	
IV)	Discuss Leadership and its types.	
V)	Define Group Cohesiveness.	
VI)	Define Autocratic Leadership along with its disadvantages.	
VII)	State the characteristics of a well-functioning & effective group.	
<b>Q-5</b>	<b>Answer the following.</b>	<b>[10]</b>
	What is Leadership? State the Principles of Leadership & its attributes.	
<b>Q-6</b>	<b>Answer the following.</b>	
A)	Describe the Traits of an Effective Leader.	<b>[05]</b>
<b><u>OR</u></b>		
A)	Define Presentation & explain the ingredients of effective presentation.	
B)	How can managers enhance their professional communication in this rapidly advancing technological age?	<b>[05]</b>
<b><u>OR</u></b>		
B)	Explain in detail the various Presentation Strategies.	

**P.P.SAVANI SCHOOL OF PHYSIOTHERAPY**  
**THIRD SEMESTER EXAM**

**Subject:** PHARMACOLOGY

**Max. Marks:** 35 Marks

**Course Code:** SPPT3050

**Time:** 1 hour 30 mins

---

**Question 1 (Essay type- Any one)**

**(10\*1=10Marks)**

- 1) Classify NSAIDs. Explain briefly the mechanism of action, uses and adverse effects of aspirin.
- 2) Classify the drugs used in the treatment of essential hypertension. Explain the mechanism of action and adverse effects of any one class of antihypertensive drugs.

**Question 2 (Short Note – Any Two)**

**(2\*5=10 Marks)**

- 1) Compare oral route with intravenous route of drug administration.
- 2) Briefly explain, with diagram, the steps of cholinergic neurotransmission and various drugs affecting it.
- 3) Management of diabetic ketoacidosis.

**Question 3 (Very Short Notes-Any Five)**

**(3\*5=15Marks)**

- 1) Transdermal therapeutic system
- 2) Pharmacovigilance
- 3) Zero order kinetics
- 4) How to prevent emergence of resistance to antimicrobial drugs
- 5) Adverse effects of long term glucocorticoid therapy.
- 6) Give the composition of WHO ORS.



# SCHOOL OF PHYSIOTHERAPY - P.P.SAVANI UNIVERSITY

BPT Third Semester      End Semester Examination

**Time: 1 hour 30 minutes**

**Max Marks: 35**

**Subject: Biochemistry**

**Course Code: SPPT3040**

**Question 1 (Essay Question –Any one)**

**(10\*1=10 Marks)**

- 1) Classification of Carbohydrates and Proteins
- 2) Classification of vitamins and lipids

**Question 2 (Short Notes – Any Two)**

**(2\*5=10 Marks)**

- 1) Gluconeogenesis
- 2) Components of blood
- 3) ELISA and flow cytometer

**Question3 (Very Short Notes-Any Five)**

**(3\*5=15Marks)**

- 1) Beta oxidation of fatty acids
- 2) Write down the steps from Acetyl COA to Malate
- 3) Glycogenesis
- 4) Osmotic pressure and its applications
- 5) Nucleic acids
- 6) Sodium and potassium metabolism





# **P.P.SAVANI SCHOOL OF PHYSIOTHERAPY**

## **End Semester Examination**

**SUBJECT: -EXERCISE THERAPY-III**

**TIME: 10:00-01:00 PM**

**Maximum Marks: 70**

**Course Code: SPPT 3012**

### **Section-A (Total 35 Marks)**

**Question 1 (Essay Question –Any one)**

**(10\*1=10 Marks)**

- 1) Discuss the principles and techniques of manual muscle testing.
- 2) Define resisted exercise and discuss in detail about the types of resisted exercises.

**Question 2 (Short Notes – Any Two)**

**(2\*5=10 Marks)**

- 1) Principles of passive movements
- 2) Strength, Power and Endurance.
- 3) Types of Muscle contractions

**Question3 (Very Short Notes-Any Five)**

**(3\*5=15Marks)**

- 1) Open and Closed-Chain exercise
- 2) Plyometrics
- 3) True limb length
- 4) Equipments used in resisted exercise
- 5) Multiple Angle Isometrics
- 6) Define PRE and BRIME
- 7) SAID Principle in Resisted exercise

**Section-B (Total 35 Marks)**

**Question 1 (Essay Question –Any one)**

**(10\*1=10 Marks)**

- 1) Define PNF and explain in detail about principles and pattern of Upper limb
- 2) Define stretching and explain in detail about indication, Contraindication and types of stretching

**Question 2 (Short Notes – Any Two)**

**(2\*5=10 Marks)**

- 1) Benefits of Resisted exercise
- 2) DAPRE
- 3) Advantages and disadvantage of Manual and mechanical exercise

**Question3 (Very Short Notes-Any Five)**

**(3\*5=15Marks)**

- 1) Periodization
- 2) Draw and explain Force velocity curve
- 3) Indication and limitations for Resisted exercise
- 4) Difference between Mobilization and Manipulation
- 5) Free Exercise
- 6) Isometric and Isotonic exercise
- 7) Treatment plane in Mobilization

**SCHOOL OF PHYSIOTHERAPY - P.P.SAVANI UNIVERSITY****BPT Third Semester Examination- Jan- Feb 2018**

Time: 3 Hours

Max Marks: 70

Subject: ELECTROTHERAPY

Course Code: SPPT3021

**Section-I****Question 1 (Essay Question --Any one)****(10\*1=10 Marks)**

1. Write in detail about SD Curve including plotting method of SD Curve. Also write characteristics of innervated, partially innervated and denervated muscles?
2. Write in detail about Faradic current and its modifications. Also write techniques of application with physiological and therapeutic effects?

**Question 2 (Short Notes – Any Two)****(2\*5=10 Marks)**

1. Ionotophoresis
2. Faradic foot bath
3. Therapeutic effects of Galvanic current

**Question3 (Very Short Notes-Any Five)****(3\*5=15Marks)**

1. F.G Test
2. Faradism under pressure
3. Action Potential
4. Accomodation
5. Chronaxie and Rheobase
6. Treatment of Hyperhidrosis

**Section-II****Question 1 (Essay Question –Any one)****(10\*1=10 Marks)**

- 1) Define IFT. Write principle of production of IFT, electrode placements, physiological and therapeutic effects?
- 2) Explain Mechanical Spinal Traction with principles, procedure of application. Also write indications, precautions and contraindications?

**Question 2 (Short Notes – Any Two)****(2\*5=10 Marks)**

- 1) Biofeedback
- 2) TENS
- 3) Pain Gate Control Theory

**Question3 (Very Short Notes-Any Five)****(3\*5=15Marks)**

- 1) Functional Electrical Stimulation
- 2) HVPGS
- 3) Beat Frequency
- 4) Russian currents
- 5) Parameters of Acupuncture TENS or Low Rate TENS
- 6) Differentiate between low frequency currents and medium frequency currents

# SCHOOL OF PHYSIOTHERAPY - P.P.SAVANI UNIVERSITY

BPT Third Semester

End Semester Examination- Jan- Feb 2018

Time: 3 Hours  
Subject: French Language

Max Marks: 60  
Course Code: SEPD 4012

Section:A

Q.1 multiple choice questions:

05

1. \_\_\_\_\_ un frère.

- A. J'ai
- B. Elle est
- C. Je

2. "one hundred" is known as \_\_\_\_\_ in French.

- a) Sent
- b) Cent
- c) Dent

3. "la sciences economique" is known as \_\_\_\_\_

- A. Economics
- B. Science of economics
- C. Science

4. "la belle-mere" is known as what \_\_\_\_\_.

- A. Mother
- B. Beautiful mother
- C. Mother-in-law or step mother.

5. "salut" means \_\_\_\_\_.

- A. Hi
- B. Bye
- C. Both a and b
- D. None of the above

Q.2 Translate the following English words into french .

10

1. Calculus-
2. Library-
3. Grocery store-
4. Happy birthday-
5. Have a nice day-
6. Happy new year-
7. Have a safe journey-
8. It is midnight-
9. Comment ça va ?
10. C'est un livre.

*By the way*

Q.3 Conjugate the following verbs and give the meaning of the verb:

10

1. Choisir
2. Jouer
3. Parler
4. Pouvoir
5. Prendre

OR

Q.3 Fill in the blanks using correct conjugated form of verb :

10

1. Il (finir) ..... son travail à 5 h 30.
2. Je (remplir) ..... mon verre de vin.
3. Ils ..... (aimer) la nature.
4. Elle ..... (adorer) Michael Jackson.
5. Vous ..... (avoir) un nouveau blouson.
6. Il y ..... (avoir) trop de monde ici.
7. Tu ..... (être) toujours content !
8. Nous (vernir) ..... cette vieille table de jardin.
9. Tu ..... (entrer) dans la classe.
10. Tu ..... (avoir) combien de chats ?

Q.3 Translate the following paragraph in French. *English*

05

Mon école s'appelle ST.XAVIERS .

Il est grand et belle.

Le principal de mon école est monsieur Robert Vincent.

Mon école a un jardin, un terrain de tennis, un terrain de basket et un auditorium.

J' aime mon école.

Section:B

Q.1 complétez votre fiche d'inscription à l'hôtel.

15

Nom	
Prénom	
Profession	
Adresse	
Agê	
Date d'arrive	
Date de depart	
Langue parle	
Petit -dejeuner vous souhaitez? (trois responses)	1. 2. 3.
Sexe	M( ) F( )
Numero potable	
Adresse électronique	

Q.2 letter writing:

15

écrite une lettre à votre ami française pour invitez pour fete de votre anniversaire.(40-50 mots)

OR

Vous êtes a vacances de Paris. Decrivez votre voyage a votre ami .