

**P. P. SAVANI UNIVERSITY**

First semester of B.P.T. Examination

March-2018

SPPT1010 Human Anatomy-I

19/03/2018, Monday

Time: 10:30 a.m. to 01:30 p.m.

Maximum Marks: 70

**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.

**Section-I (Total Marks - 35)****Question 1(Essay Question –Any one)****(10\*1=10 Marks)**

- 1) Classify Joints. Describe Synovial joint in details.
- 2) Describe Shoulder joint in following headings:
  - (a) Ligaments of shoulder joints
  - (b) Muscle forming movements at shoulder joints
  - (c) Applied Anatomy of Shoulder joints

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

- 1) Deltoid Muscle
- 2) Quadrangular spaces
- 3) T S of Compact Bone

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

- 1) Sesamoid bone
- 2) Difference between smooth and cardiac muscle
- 3) Ulnar nerve in hand
- 4) Fertilization
- 5) Musculocutaneous nerve
- 6) Erb's paralysis
- 7) Triceps muscle

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

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

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

- 1) Describe Knee joint in detail.
- 2) Describe Gluteus Maximus muscle in following headings
  - (a) Origin and insertion
  - (b) Nerve supply and action
  - (c) Structure under cover of Gluteus Maximus

**Question 2(Short Notes – Any Two)**

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

- 1) Adductor canal
- 2) Sartorius
- 3) Hamstring muscle

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

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

- 1) Boundaries of femoral triangle
- 2) Contents of popliteal fossa
- 3) Cruciate Anastomosis
- 4) Femoral artery
- 5) Housemaid's knee
- 6) Ligaments of hip joint
- 7) Tibialis anterior

**\*\*\*\*\*All the Best \*\*\*\*\***

# P. P. SAVANI UNIVERSITY

First semester of B.P.T. Examination

March-2018

SPPT1020 Human Physiology-I

21/03/2018, Wednesday

Time: 10:30 a.m. to 01:30 p.m.

Maximum Marks: 70

**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.

## Section-I (Total Marks - 35)

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

(10\*1=10 Marks)

- 1) Cardiac cycle. Definition. Diagram. And discuss the events.
- 2) Regulation of respiration. Describe nervous regulation in detail.

### Question 2(Short Notes – Any Two)

(2\*5=10 Marks)

- 1) Sliding filament theory.
- 2) Surfactant. Name of it. And mechanism of action.
- 3) Hypoxia. Definition. Types in detail.

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

(3\*5=15Marks)

- 1) Myasthenia gravis and Lambert Eaton syndrome.
- 2) RMP. Definition. And describe in brief.
- 3) Periodic breathing. Definition and types.
- 4) Dead space. Definition. Types and normal value.
- 5) Fluid compartment.
- 6) Homeostasis.
- 7) Wallerian degeneration.

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

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

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

- 1) Which are the different mechanisms for blood pressure regulation? Describe long term mechanism in detail.
- 2) Neuromuscular transmission of impulse and applied physiology.

**Question 2(Short Notes – Any Two)**

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

- 1) Cardiac output. Definition. Normal values. And enlist the factor affecting.
- 2) Action potential. Definition. Stages. And graph.
- 3) Spirometer. Definition. Graph. And definition and normal values of different volume and capacities.

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

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

- 1) Saltatory conduction.
- 2) Oxygen hemoglobin curve.
- 3) Bohr's effect and haldane effect.
- 4) Ventilation perfusion ration. Definition and normal value.
- 5) Waves and complexes in ECG and their significance.
- 6) Sarcomere. Definition and diagram.
- 7) J receptor. Herring breur reflex.

**\*\*\*\*\*All the Best \*\*\*\*\***

**P. P. SAVANI UNIVERSITY**  
First semester of B.P.T Examination- 2018

Time: 10:30 a.m. to 01:30 p.m.

**SPPT-1030- Exercise Therapy-I**

Maximum Marks: 70

**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.

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

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

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

- 1) What is soft tissue manipulation? Write in detail about any one soft tissue manipulation technique.
- 2) Write various techniques used in exercise therapy? Also explain psychological aspects of Exercises?

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

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

- 1) Types of lever
- 2) Principles of Yoga
- 3) Definition and scope of Physiotherapy.

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

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

- 1) Hook's law.
- 2) Angle of pull.
- 3) Transverse friction massage.
- 4) Physiological Effects of Exercises
- 5) Tadasana
- 6) Springs

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

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

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

- 1) Explain different types of Muscle Contractions?
- 2) What are causes and after effects of Joint stiffness?

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

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

- 1) Explain Active and Passive Insufficiency of muscles?
- 2) Write about active, passive and active-assisted movements?
- 3) Describe type of kinematics in Push-up and Squatting along with muscle work?

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

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

- 1) Uses of Balance Board
- 2) Gait
- 3) Center of gravity
- 4) Parallel Bar
- 5) Ranges of muscle work
- 6) Causes of Paralysis

**\*\*\*\*\*All the Best \*\*\*\*\***



**P. P. SAVANI UNIVERSITY**  
First semester of B.P.T Examination- 2018

Time: 10:30 a.m. to 01:00 p.m.

SPPT1040- Psychology

Maximum Marks: 35

**Instructions:**

1. The question paper comprises of two sections.
2. Section I and II must be attempted in separate answer sheets.

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

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

(10\*1=10Marks)

- 1) Define attitude. Discuss the components, characteristics and attitude change in detail.
- 2) Define Psychology and discuss the scope of Psychology in various fields.

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

(2\*5=10Marks)

- 1) Types of conflict
- 2) Methods to improve memory
- 3) Theories of intelligence

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

(3\*5=15Marks)

- 1) Define Sensation, Attention and Perception
- 2) Steps in creative thinking
- 3) Experimental method
- 4) Psychological tests of personality
- 5) Barriers of communication
- 6) Types of motives.
- 7) Psychotherapy and counseling





**P. P. SAVANI UNIVERSITY**  
 First semester of B.P T Examination- 2018  
 SEPD 1010: Academic English & Technical Writing

Time: 10:30 a.m. to 01:00 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.

<b>SECTION - 1</b>		
<b>Q1</b>	<b>Answer the following. (Any 5)</b>	<b>[10]</b>
I)	Define Academic English & General English.	
II)	Define Listening. State its types.	
III)	Define Reading.	
IV)	Mention the steps for smooth speech fluency.	
V)	What are the types of Tenses?	
VI)	State the characteristics of Academic English.	
VII)	State the various strategies for Reading.	
<b>Q2</b>	<b>Fill in the blanks with the present continuous or simple present tense of the verb</b>	<b>[10]</b>
	1. My class _____ at 9 am every day. (start) 2. He _____ his lecture in the morning. (Give) 3. The train _____ over the bridge. (Stop) 4. He _____ to U.K. (belong) 5. Sunil _____ to lock the door (always forget) 6. The train _____ at the station. (arrive) 7. I can see a man outside. He _____ to say something. (try) 8. John _____ very hard. (work). These days he _____ for an entrance examination (prepare) 9. This box _____ salt. (contain)	
<b>Q3</b>	<b>Write a moral story on the title, "God helps them who help themselves"</b>	<b>10</b>
<b>OR</b>		
<b>Write a paragraph on "Science and technology"</b>		

## SECTION II

**1. Answer the following. (Any 2)**

**[10 marks]**

- 1) Explain techniques for reading depending upon the purpose of reading.
- 2) Explain the different types of business letters.
- 3) State the importance of tone in Email Etiquettes.

**2. Give a homophone for each word given below:**

**[5 marks]**

- 1) Pear
- 2) Pail
- 3) Whale
- 4) Hair
- 5) Weight

**3. Make sentence using the verbs given below: (Do not change the form of the verb)**

**[5 marks]**

- 1) drank
- 2) like
- 3) see
- 4) flew
- 5) was swimming

**4. Write a letter on one of the topics given below:**

**[10 marks]**

Write an informal letter to your parents discussing about life in the hostel

OR

Write a formal letter to the dean of your college asking them to improve the facilities at the campus.

**P. P. SAVANI UNIVERSITY**  
First semester of B.P.T Examination- 2018

Time: 10:30 a.m. to 01:00 p.m.

SEPD 4012 –FRENCH

Maximum Marks: 60

**Instructions:**

1. The question paper comprises of two sections.
2. Section I and II must be attempted in separate answer sheets.

**Section-I (Total Marks - 30)**

**Q.1 Comment s'écrite:**

**10**

1. John-
2. Brown-
3. Ahmedabad-
4. Tommy-
5. Sam-

**Q.2 Give translation of the following words in French:**

**10**

1. Good evening:
2. winter:
3. april:
4. saturday:
5. afternoon:
6. pharmacy:
7. bakery:
8. police station:
9. economics:
10. july:

**Q.3 Give translation of the following words in English:**

**10**

1. la piscine:

2. la discothèque:

3. la gare:

4. samedi:

5. la mère:

6. belle-sœur:

7. le fils:

8. violette

9. minuit:

10. jour:

**Section-II (Total Marks - 30)**

**Q.4 Quelle heure est-il?**

**10**

1. 8h00:

2. 1h05:

3. 12h00(night):

4. 12:00(noon):

5. 7h30:

**Q.5 Write the similarities and differences between English and french:**

**5**

**Q.6 Write your introduction in French:**

**5**

**Q.7 Write down the seven days of the week in French:**

**10**

----- Bonne chance -----

**P P SAVANI UNIVERSITY**

ATKT Examination of B.P.T. Semester-I

Sep-Oct 2018

SEPD 1010 Academic English & Technical Writing

26.12.2017, Tuesday

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.

**SECTION - I**

- Q - 1**      **Fill in the Blanks (Any Ten) Write the full sentences** **[10]**
- (i) I .....up several times in the night. (Simple Past)  
Woke; Have waken; Had woken
- (ii) My mother ..... delicious meals. (Simple Present)  
Cook; Cooks; Have cooked
- (iii) The boys ..... in the garden when it started raining. (Past Continuous)  
Are playing; Were playing; Played
- (iv) I ..... the parcel yesterday. (Past Perfect)  
Receive; Had received; Received
- (v) I ..... that movie three times. (Present Perfect)  
Watched; Have watched; Had watched
- (vi) Goats and cows .....us milk. (Simple Present)  
Gives; Give; Gave
- (vii) It is late. I .....for his call. (Present Continuous)  
Waited; Am waiting; Have been waiting
- (viii) We ..... for Singapore next Monday. (Future Continuous)  
Leave; Will be leaving; Are Leaving
- (ix) I ..... all my problems. (Present Perfect)  
Solve; Have solved; Have been solving
- (x) I ..... a letter to my sister. (Simple Future)  
Will write; Am writing; Writing
- (xi) The letter ..... yesterday. (Simple Past)  
Posted; Was posted; Had posted
- (xii) Chess ..... a lot of mental exertion. (Simple Present)  
Is requiring; Requires; Has required
- Q - 2 (a)** Explain the difference between General English and Academic English. **[05]**
- Q - 2 (b)** Mention the features of Academic English. **[05]**
- OR**
- Q - 2 (a)** Explain in brief, the types of listening. **[05]**
- Q - 2 (b)** What are the barriers to effective listening? **[05]**
- Q - 3 (a)** Define Reading. What are the Types of Reading? **[05]**
- Q - 3 (b)** Define Reading. State the various strategies for Reading. **[05]**
- OR**
- Q - 3 (a)** What are the differences between 'hearing' and 'listening'? **[05]**
- Q - 3 (b)** Distinguish between 'Active Listening' and 'Passive Listening'. Which is the effective type of listening of the two? **[05]**



**SECTION - II**

**Q - 1** Make Sentences using the verbs given below (Do not change the form of the given verb): Do any 10 [10]

- (i) Was speaking
- (ii) Helped
- (iii) Figured
- (iv) Is describing
- (v) Has performed
- (vi) Exercises
- (vii) Watches
- (viii) Enquired
- (ix) Helping
- (x) Listened
- (xi) Jumps
- (xii) Observing

**Q - 2 (a)** What is Email Etiquette? What is the importance of Email Etiquette?

**Q - 2 (b)** What is it important to maintain proper tone in an email?

[05]  
[05]

**OR**

**Q - 2 (a)** What is Report? State the types of Reports.

**Q - 2 (b)** Explain the different types of letters.

[05]

**Q - 3 (a)** As a student, you need leave for 3 days as you have wedding ceremony at your home. Draft a leave application.

[05]  
[05]

**Q - 3 (b)** Write a formal letter to your Dean requesting him/her to improve the facilities at the college campus.

[05]

**OR**

**Q - 3 (a)** Write a letter to your friend explaining your absence on his/her birthday.

**Q - 3 (b)** Write a formal letter to your Principal requesting him/her to provide you the bonafide certificate.

[05]  
[05]

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# P. P. SAVANI UNIVERSITY

B.P.T- First Semester      ATKT Examination  
Sep-2018                              SPPT 1040

## PSYCHOLOGY

Time 9:00 a.m. to 12:00 noon

Maximum Marks: 35

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**Instructions:**

1. Make suitable assumptions and draw neat figures wherever required.

### Section-I (Total Marks - 35)

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

(10\*1=10 Marks)

- 1) Define learning. Discuss the theories of learning.
- 2) Define attention. Explain the characteristics and types of attention?

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

(2\*5=10 Marks)

- 1) Define personality. Explain Classification of personality.
- 2) Enlist the tools of communication. Which communication systems are used in hospitals?
- 3) Explain psychological methods of pain management

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

(3\*5=15 Marks)

- 1) Enlist the Branches of Psychology.
- 2) Write the importance of studying Heredity and Environment.
- 3) What is abnormal psychology?
- 4) Intelligent Quotient (IQ).
- 5) What are the types of conflict?
- 6) Write concept of Motivation





**P. P. SAVANI UNIVERSITY**

I Semester of B.P.T. ATKT Examination

September-2018

**CODE- SPPT1030**

**Exercise therapy-I**

Time: 09:00 a.m. to 12:00 Noon.

Maximum Marks: 70

**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.

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

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

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

- 1) Define Axis and Plane of Movement with example
- 2) What is mechanical advantage; explain the lever having mechanical advantage with example

**Question 2(Short Notes – Any Two)**

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

- 1) Center of Gravity
- 2) Base of support
- 3) Stable and Unstable equilibrium

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

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

- 1) Properties of spring
- 2) Classification of massage
- 3) Hooke's Law
- 4) Angle of pull
- 5) Types of spring
- 6) Types of kneading massage
- 7) Physiological effects of exercise

**Section-II (Total Marks - 30)**

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

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

- 1) Define lever, Explain in detail about types of lever with example
- 2) Write in detail about open and closed kinematic chain movement

**Question 2(Short Notes – Any Two)**

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

- 1) Springs in series and parallel
- 2) Classification of walking aids
- 3) Physiological effects of Yoga

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

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

- 1) Types of Friction massage
- 2) Principles of Yoga
- 3) Resolution of force
- 4) Difference between fixation and stabilization
- 5) Effects and uses of Resisted exercise
- 6) Types of muscle work
- 7) Active and passive insufficiency

**\*\*\*\*\*All the Best \*\*\*\*\***

**P. P. SAVANI UNIVERSITY**  
I st Semester B.P.T. Examination (ATKT)  
**Subject: Human Physiology II (SPPT1020)**  
Maximum Marks: 70

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**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.

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

**Question 1 (Long Essay Type –Any One out of Two)**

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

- 1) Describe in detail Neuromuscular Transmission and Excitation Contraction Coupling.
- 2) Definition: Action potential. Discuss in detail about generation and propagation of nerve impulse

**Question 2 (Short Essay Type – Any Two )**

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

- 1) Cross Bridge Cycle
- 2) Juxta Glomerular Apparatus
- 3) Erythroblastosis foetalis

**Question 3 (Short Answer Type - Any Five out of Six)**

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

- 1) Feedback Mechanism.
- 2) Erythropoiesis.
- 3) Functions of kidney
- 4) Saltatory conduction
- 5) Blood groups.
- 6) Properties of Nerve Fiber.

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

**Question 1 (Long Essay Type –Any One out of Two)**

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

- 1) Describe respiratory centers and neural regulation of respiration in detail.
- 2) Describe in Detail Long Term Regulation of Blood Pressure.

**Question 2 (Short Essay Type – Any Two)**

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

- 1) Cardiac Cycle.
- 2) Neural Regulation of Respiration.
- 3) Clotting Pathway

**Question3 (Short Answer Type - Any Five out of Six)**

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

- 1) Plate Potential.
- 2) Surfactant.
- 3) Active Transport.
- 4) Fluid compartment
- 5) Fluid mosaic model of Cell membrane
- 6) Definition and normal values of 1. Tidal Volume 2. Functional residual Capacity 3. Vital capacity.

**P. P. SAVANI UNIVERSITY**  
I<sup>st</sup> Semester of B.P.T. ATKT Examination  
Aud-Sep-2018  
**HUMAN ANATOMY-SPPT1010**

Maximum Marks: 70

**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.

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

(10\*1=10 Marks)

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

- 1) Describe Shoulder joint in following headings: (i) Articulation of joint  
(ii) Movements of joint  
(iii) Applied of shoulder joint
- 2) Describe the Brachial Plexus in detail with its applied.

(2\*5=10 Marks)

**Question 2(Short Notes – Any Two)**

- 1) Biceps brachi muscle
- 2) Cubital fossa
- 3) Brachial artery

(3\*5=15Marks)

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

- 1) Describe types of epithelium
- 2) Histology of long bone
- 3) Superficial palmer arch
- 4) Deltoid muscle
- 5) Ovulation
- 6) Ulnar nerve in hand
- 7) Quadrangular space

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

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

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

- 1) Describe joints in detail
- 2) Gluteus maximums muscle with structure under cover it.

**Question 2(Short Notes – Any Two)**

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

- 1) Adductor Canal
- 2) Sartorius
- 3) Ligaments of knee joints

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

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

- 1) Guy ropes muscle
- 2) Difference between smooth and cardiac muscle
- 3) Hyaline cartilage.
- 4) Femoral canal
- 5) Sesamoid bone
- 6) Soleus muscle
- 7) Sciatic nerve

**\*\*\*\*\*All the Best \*\*\*\*\***