



# UNIVERSITY OF THE PUNJAB

Fourth Semester 2015

Examination: B.S. 4 Years Programme

Roll No. ....

PAPER: General Science

TIME ALLOWED: 2 hrs. & 30 mins.

Course Code: GS-211 /

MAX. MARKS: 50

*Attempt this Paper on Separate Answer Sheet provided.*

## PART-II

### SHORT QUESTIONS

20 Marks

Q2. Answer briefly the following questions. Each question carries two marks.

1. Define Theory.
2. State Law of Conservation of Energy.
3. What are Twins? Enlist its types.
4. What is the role of Statistics in Research.
5. What is the function of Small Intestine.
6. What do you mean by Ore? Name any two ores.
7. Differentiate between Metals and Non-Metals.
8. Define Food Chain. Draw a simple food chain.
9. Give one method for the preparation of Oxygen Gas.
10. What do you mean by Rusting of Metals give example with equation?

### SUBJECTIVE QUESTIONS

(30 Marks)

Q3. Answer the Following Questions.

Define the following terms

(2 x5= 10 Marks)

- i. Hypothesis
- ii. Speed and Velocity
- iii. Reflection of light
- iv. Rusting and Corrosion
- v. Evaporation

2. Write a note on Biotic and Abiotic Components of Ecosystem. (10 Marks)

3. Describe the Excretory System of Man. (10 Marks)



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*Attempt this Paper on this Question Sheet only.*

## PART-I

**Q1. Each question has four possible answers. Choose the correct answer and encircle it.**

1. The fourth state of matter is

- a) Gas                      b) Liquid                      c) Solid                      d) Plasma

2. The spinning motion of a body about its axis is called

- a) Circular motion              b) Rotatory motion              c) Vibratory motion              d) None of these

3. A hypothesis which stands at the test of time are called

- a) Observation                      b) Hypothesis                      c) Theory                      d) Law

4. Which one of the following is not a solution?

- a) AgCl and water              b) NaCl and Water              c) Lemon and Water              d) Sugar

5. The escape of water molecules from the surface of liquid is known as

- a) Evaporation                      b) Condensation                      c) Transpiration                      d) All of These

6. The phenomenon in which one cell is divided into two cells is called

- a) Cell division                      b) Mitosis                      c) Meiosis                      d) Twins

7. Kidney is the working unit of

- a) Circulatory system                      b) Digestive System                      c) Excretory system  
d) Reproductive System

8. The formula of washing soda is

- a)  $\text{Na}_2\text{CO}_3 \cdot 10 \text{H}_2\text{O}$                       b)  $\text{Na}_2\text{CO}_3$                       c) NaOH                      d)  $\text{Cu}_2\text{SO}_4$

9. The mixture of metals is called as

- a) Alloys                      b) Metalloids                      c) Rusting of Metals                      d) All of these

10. If we remove Fibrinogen from blood then it is called as

- a) Plasma                      b) Serum                      c) Blood cell                      d) Platelets