



UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program / Fourth Semester – 2019

Paper: General Science

Course Code: GS-211 / EDU-11135 Part – I (Compulsory) Time: 15 Min. Marks: 10

Roll No. in Fig.

Roll No. in Words.

Signature of Supdt.:

ATTEMPT THIS PAPER ON THIS QUESTION SHEET ONLY.

Division of marks is given in front of each question.

This Paper will be collected back after expiry of time limit mentioned above.

*Q.1. Encircle the right answer cutting and overwriting is not allowed. (10x1=10)

1. The total number of state of matter is

- a) 2 b) 3 c) 4 d) 5

2. $F=ma$ is the equation of

- a) Force b) Acceleration c) Velocity d) None of these

3. A series of hypothesis supported by results of many tests is called

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

4. The chromosome number became half in

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

5. The product of force and displacement is

- a) Work b) Power c) Friction d) All of These

6. The chloroplast is present in

- a) Animal Cell b) Plant Cell c) Both a&b d) None of these

7. Stomach is the working unit of

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

— d) Reproductive System

8. The chemical formula of caustic soda is

- a) Na_2CO_3 b) NaHCO_3 c) NaOH d) CaCO_3

9. Heterotrophic organisms are

- a) Plants b) Algae c) Fungi d) Kelps

10. Nephron is the functional unit of human

- a) Kidney b) Intestine c) Heart d) Non of these



ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

SHORT QUESTIONS

20 Marks

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

1. Differentiate between Homogenous and Heterogeneous Solution.
2. State Second Law of Motion.
3. Write the formulae of Copper sulphate and Glucose.
4. Give one method for the preparation of Hydrogen Gas.
5. What are Halogens?
6. Differentiate between Arteries and Veins.
7. State Law of Conservation of Energy.
8. Enlist Biotic and A-biotic components of Ecosystem.
9. Draw a typical animal cell.
10. Differentiate between Metals and Non-Metals.

SUBJECTIVE QUESTIONS

(30 Marks)

Q3. Answer the Following Questions.

1. Define the following terms (2 x 5 = 10 Marks)
 - i. Hypothesis
 - ii. Speed and velocity
 - iii. Work
 - iv. Evaporation
 - v. Food Chain
2. What is a Cell? Differentiate between Animal and Plant Cell. (10 Marks)
3. Describe Human Female Reproductive System. (10 Marks)