

KRISHNAGAR ACADEMY
HALF-YAERLY (PHASE-II) EXAMINATION
CLASS-VII
SUBJECT-SCIENCE (PHY+CHEM+BIO)
FULL MARKS: 50

(PHYSICS): 16MARKS

Q1. Fill in the blanks: (4)

- a) A disc thrown by an athlete is an example of _____ motion.
- b) The _____ of a body is defined as the quantity of matter contained in it.
- c) The SI unit of energy is _____.
- d) Plants use the _____ energy from the sun to prepare their food.

Q2. Match the following: (4)

- | | |
|---------------------------------------|------------------------|
| (i) Calorie | (a) rotating motion |
| (ii) Vibrating body | (b) rectilinear motion |
| (iii) A bullet lunched from a toy gun | (c) sound energy |
| (iv) Spinning top | (d) 4.186 joules |
| | (e) heat energy |

Q3. Answer the following: (4x2=8)

- (a) Write two differences between mass and weight.
- (b) Define kinetic energy and give an example of a body possessing kinetic energy.
- (c) Describe different units of energy. What is the relationship between calorie and joule?
- (d) What do you mean by multiple motions? Give an example.

(CHEMISTRY): 17MARKS

Q1. What do you observe when: (2x5=10)

- (a) A spoon of sugar is heated in a pan.
- (b) A lighted match stick is brought near the mouth of the state tube containing hydrogen gas.
- (c) Quick lime is dissolved in water.
- (d) Little amount of curd is added to a bowl containing warm milk and kept for five hours.
- (e) An iron nail is kept in tap water for few days.

Q2. Answer the following:

- (a) Is burning a physical or chemical change? Why? (2)
- (b) State two differences between evaporation and boiling. (2)
- (c) A burning candle shows both physical and chemical change – Explain. (3)

(BIOLOGY): 17MARKS

Question No. 1. (7x1)

- a) Name the tissue that connects muscle to bones.
- b) Cartilage consists of certain cells called _____
- c) What is species?
- d) Who proposed three kingdom classifications?
- e) Differentiate: Bone and Cartilage.
- f) Mention the function of adipose tissue.
- g) State true or false: Smooth Muscles are cylindrical and elongated.

Question No. 2.

A. Difference: (2x1)

- a) Skeletal and Cardiac Muscle.
- b) Cyton and Axon.

B. Answer the following: (4x1)

- a) Why is blood red in colour.
- b) Define Classification.
- c) What is Protista made up of?
- d) Write about the function of Lymph.

C. Write about the location and function of Epithelial tissue. (2)

D. Draw the structure of a typical neuron. (2)