

REVISION PRACTICE ASSIGNMENT (RPA)

SUBJECT- BIOLOGY

SESSION-2020-21

CLASS- XI

TOPIC: STRUCTURAL ORGANISATION IN ANIMALS

- I. Multiple choice questions 1×5=5 marks
1. Tendons and ligaments are made of _____ .
 - a. Special connective tissue
 - b. Epithelial tissues
 - c. Dense regular connective tissue
 - d. Loose conductive tissue

 2. _____ are intercalated discs found?
 - a. Skeletal muscles
 - b. Tendons
 - c. Spinal cord
 - d. Cardiac muscles

 3. Macrophages are a type of _____ .
 - a. White blood cell
 - b. Stem cell
 - c. Fat cell
 - d. Bone cell

 4. _____ is present mostly at sites where filtration and diffusion occurs.
 - a. Simple columnar epithelia
 - b. Bone marrow
 - c. Simple squamous epithelium
 - d. None of the above

 5. The largest quantity of extracellular materials are found in _____.
 - a. Nerve fibres
 - b. Bone tissue
 - c. Areolar tissue
 - d. None of the above
- II. Very short answer type questions. 1×5=5marks
1. What is the main function of WBCs?

2. Name the large cells present in adipose tissue.
3. Name the kind of tissue which forms the lining of blood vessels?
4. What causes fatigue of the muscle fibres?
5. Name the chemical which helps in transmitting nerve impulse at the synapse?

III. Short answer type questions

2×3=6 marks

1. Mention the cellular components of blood.
2. What are the different cell junctions found in tissues?
3. What is the structural Organization of an animal?

IV. Long answer type question

4×1=4 marks

1. How many types of neurons are there? Explain.



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Sarvada
Sarva shreshth
HOLISTIC DEVELOPMENT

REVISION PRACTICE ASSIGNMENT (RPA)

SUBJECT- PHYSICS

SESSION-2020-21

CLASS-XI

TOPIC: CHAPTER 07 SYSTEM OF PARTICLES AND ROTATIONAL MOTION

Answer the following questions as instructed :- F.M : 20

SECTION_I : Objective Questions : MCQ Types

1 X 5 = 5

1. The centre of mass of a body

(a) lies always at the geometrical centre

(b) lies always inside the body

(c) lies always outside the body

(d) may lies within or outside the body

2. The reduced mass of two particles having masses m and $2m$ is

(a) $2m$

(b) $3m$

(c) $2m/3$

(d) $m/2$

3. The velocity of centre of mass of the system remains constant if the total external force acting on the system is

(a) minimum

(b) maximum

(c) Unity

(d) zero

4. When torque acting upon a system is zero. Which of the following will be constant?

(a) Force

(b) Linear impulse

(c) Linear momentum

(d) Angular momentum

5. Angular momentum of the particle rotating with a constant force is constant due to

(a) constant torque

(b) constant force

(c) constant linear momentum

(d) Zero torque

SECTION II : Objective Questions : Answer on one word only 1 X 5 = 5

6. Write the dimension of moment of inertia.

7. Can centre of mass of a body lie outside the body?

8. Which physical quantity is represented by the product of moment of inertia and angular

acceleration?

9. Is moment of inertia is scalar or vector quantity?

10. Does moment of inertia of a rigid body change with the speed of rotation?

SECTION _III : Short Answer Type Questions

2 X 3 = 6

If earth contracts to half its radius what would be the duration of the day?

12. Is the angular velocity of rotation of hour hand of a watch greater or smaller than the angular velocity of Earth rotation about its axis?

13. Define angular momentum and torque and hence derive a relation between them.

SECTION _IV : Long Answer Type Question

1 X 4 = 4

14. The same solid sphere is made to roll down from the same height on two incline planes having different angles of inclination. In which case will it take less time to reach the bottom?