

Name: _____	Subject: Biology	Class: 11 th	Time: 80 minutes	Total Marks:	40
Chapter No.7		MJDEXPERT.COM		Obtained marks	

Note: Please attempt any 11 short questions from Question 2. Also, attempt both parts (a and b) of Question 3. Cutting and removal of any content is strictly prohibited.

Objective-Section

Q. 1 Encircle the correct answer. (10x1=10)

- The kingdom Protista consists of organisms primarily living in which type of environment?
(A) Terrestrial (B) Aquatic (C) Desert (D) Arctic
- What differentiates protists from prokaryotes?
(A) Cell wall composition (B) Eukaryotic cell organization (C) Lack of nucleus (D) Photosynthesis ability
- Which group of organisms is included in the kingdom Protista?
(A) Fungi (B) Animals (C) Protozoans (D) Bacteria
- What is the main mode of nutrition in amoebae?
(A) Photosynthesis (B) Endocytosis (C) Osmosis (D) Parasitism
- What is the primary function of flagella in zoologellates?
(A) Reproduction (B) Movement (C) Nutrition (D) Sensory reception
- How do ciliates differ from other protozoans?
(A) Lack of nucleus (B) Presence of cilia (C) Ability to photosynthesize (D) Possession of flagella
- Which type of algae contributes significantly to marine ecosystems as producers?
(A) Green algae (B) Brown algae (C) Diatoms (D) Red algae
- What is the role of contractile vacuoles in freshwater ciliates?
(A) Digestion (B) Reproduction (C) Water regulation (D) Locomotion
- What kind of body form is typical for red algae?
(A) Unicellular (B) Multicellular with filaments (C) Colonial (D) Coenocytic
- What causes the symptoms of malaria in the human body?
(A) Tsetse fly bite (B) Red blood cell bursting (C) Contractile vacuole malfunction (D) Bacterial infection

Subjective-Section

Q.2 Write short answers of any ten of the following questions: (11x2=22)

- What characteristics are used to define the kingdom Protista?
- Describe the evolutionary significance of eukaryotic cells in Protista.
- What are the major groups of Protista, and how do they differ from each other?
- Explain the role of pseudopodia in amoebae.
- How do zoologellates obtain their nutrients?
- What are the structural features of ciliates that aid in their movement?
- Describe the ecological role of diatoms in aquatic ecosystems.
- What adaptations allow brown algae to thrive in cooler marine waters?
- Explain the significance of red algae in coral reef building.
- What are the key features of green algae that align them with plants?
- How does the life cycle of Plasmodium contribute to the spread of malaria?
- Discuss the significance of the five-kingdom system proposed by Robert Whittaker.

Q.No.3 Long Question: (5+5=10)

- Discuss the diversity of Protista, focusing on their size, structure, and modes of nutrition.
- Explain the significance of Protista in the evolutionary history of eukaryotic organisms.