

Name: _____	Subject: Biology	Class: 11 th	Time: 80 minutes	Total Marks:	40
Chapter No.1	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 study of living organisms and their interactions with the environment is called:
a) Ecology b) Physiology c) Biology d) Embryology
- The branch of biology that deals with the study of microorganisms is:
a) Marine Biology b) Molecular Biology c) Microbiology d) Parasitology
- Which of the following is not considered a bioelement?
a) Carbon b) Nitrogen c) Helium d) Oxygen
- The level of biological organization where similar cells are grouped together is called:
a) Molecular Level b) Tissue Level c) Organ Level d) System Level
- The branch of biology that studies the communal life of human beings is:
a) Social Biology b) Human Biology c) Parasitology d) Biotechnology
- The study of organisms in relation to their freshwater environment is known as:
a) Marine Biology b) Environmental Biology c) Freshwater Biology d) Microbiology
- The smallest unit of biological organization is:
a) Tissue b) Organ c) Cell d) Atom
- What is the term for a group of organisms of the same species living in a specific area?
a) Community b) Population c) Ecosystem d) Biome
- The branch of biology that focuses on the use of living organisms in industry is:
a) Parasitology b) Biotechnology c) Molecular Biology d) Environmental Biology
- Which process is essential for maintaining the internal environment of living organisms?
a) Respiration b) Homeostasis c) Evolution d) Growth

Subjective-Section

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

- What is the literal meaning of biology?
- Define life according to biologists.
- What are bioelements, and how do they differ from other elements?
- Briefly explain the molecular level of biological organization.
- What is the significance of organelles within a cell?
- Differentiate between organic and inorganic molecules.
- Describe the concept of population in the context of biological organization.
- Explain the role of a hypothesis in the scientific method.
- What is deductive reasoning? Provide an example.
- What is the role of communities in an ecosystem?
- Explain how biomes are determined and provide an example.
- What is phyletic lineage, and how does it contribute to biodiversity?

Q.No.3 Long Question: (4+4=8)

- Discuss the levels of biological organization from the molecular level to the organism level.
- How does the concept of biological organization help in understanding the complexity of life?