The Living World

I. Select the correct answer of the following questions.

Question 1.

Scientific name are drawn form

- (a) Latin
- (b) English
- (c) Sanskrit
- (d) Arabic

▼ Answer

Answer: (a) Latin

Question 2.

Binomial nomenclature was given by

- (a) Linnaeus
- (b) Pliny
- (c) Bentham and Hookes
- (d) Aristotle

▼ Answer

Answer: (a) Linnaeus

Question 3.

Systematics is the study of

- (a) Diversity amongst groups
- (b) Grouping of organisms
- (c) Identification and grouping of organisms
- (d) Nomenclature and classification or organisms

▼ Answer

Answer: (a) Diversity amongst groups

Question 4.

Taxonomy refers to

- (a) Classification
- (b) Nomenclature
- (c) Identification
- (d) All of these

▼ Answer

Answer: (d) All of these

Question 5.

Which of the following has more characters In chtnmon?

- (a) Species
- (b) Genus
- (c) Class
- (d) Division

▼ Answer

Answer: (a) Species

Question 6.

Any type of taxonomic group of the organisms is called

- (a) Taion
- (b) Category
- (c) Classification
- (d) Rank of hierarchy

▼ Answer

Answer: (a) Taxon

Question 7.

A rank or level in the hierarchial classification of organisms is a

- (a) Taxon
- (b) Category
- (c) Key
- (d) All of these

▼ Answer

Answer: (b) Category

Question 8.

Which of the following is not a correct hierarchial order?

- (a) Phylum, order, family
- (b) Class, family, genus
- (c) Class, order, family
- (d) Family, class, order

▼ Answer

Answer: (d) Family, class, order

Question 9.

Father of Taxonomy is

- (a) Linnaeus
- (b) Aristotle
- (c) John Ray
- (d) None of the above

▼ Answer Answer: (a) Linnaeus
Answer. (a) Limiteus
Question 10. 'Systema Nature' is a book written by (a) Linnaeus (b) Charak (c) John Roy (d) De Candole
▼ Answer
Answer: (a) Linnaeus
II. Fill in the blanks:
Question 1. All living organisms Increase in and increase in of individuals are twin characteristics of growth.
▼ Answer Answer: grow, mass, number
Question 2, this growth by cell division occurs continuously throughout their life.
▼ Answer
Answer: In plants
Question 3, this growth is seen only up to a certain age.
▼ Answer
Answer: In Animals
Question 4. The fungi, the filamentous algae, the protonema of mosses, all easily multiply by

Answer: fragmentation

▼ Answer

Question 5.
All living organisms are made of

▼ Answer

Answer:	chem	ical
	CIICIII	···

Question 6.

Celluar organisation of the body is the defining feature of life

▼ Answer

Answer: forms

Question 7.

We sense our environment through our

▼ Answer

Answer: sense organs

Question 8.

Plants respond to external factors like,

▼ Answer

Answer: light, water, temperature

Question 9.

Biology is the story of life on

▼ Answer

Answer: earth

Question 10.

Biology is the story of of living organisms on earth.

▼ Answer

Answer: evolution

III. Mark the Statements True (T) or False (F):

Question 1.

There is a need to standardise the naming of living organisms such that a particular organism is known by the same name all over world. This process is called nomenclature.

▼ Answer

Answer: True

Question 2.

Biologists follow universally accepted principles to provide scientific name to known organisms.

Each name has two components-the Generic name and the specific epithet

▼ Answer

Answer: True.

Question 3.

System of providing a name with two components is called Binomical nomenclature.

▼ Answer

Answer: True

Question 4.

Biological names are generally in Latin and written in italics.

▼ Answer

Answer: True

Question 5.

Both the words in a biological name, when handwritten, are separately underlined, or printed in italics to indicate their Latin origin.

▼ Answer

Answer: True

Question 6.

The first word denoting the genus starts with a capital letter while the specific epithet starts with a small letter.

▼ Answer

Answer: True

Question 7.

All living organisms can be classified into different taxa. This process of classification is taxonomy.

▼ Answer

Answer: True

Question 8.

Taxonomic categories and hierarchy can be illustrated by an example.

▼ Answer

Answer: True

Question 9.

Taxonomical studies of all known organisms have led to the development of common categories such as kindom, phylum or division (for plants), class order, family, genus and species.

▼ Answer

Answer: True

Question 10.

Herbarium is a store house of collected plant specimens that are dried, pressed and preserved on sheets.

▼ Answer

Answer: True

IV. Match the column I with column II.

Column I	Column II
A. Herbarium	1. Contrast pair or couplet
B. Key	2. Information on any one taxon.
C. Monographs	3. Lucknow
D. Kingdom	4. Highest taxonomic category
E. National Botanical Research I	nstitute 5. Storage of collected dried plant specimens.

▼ Answer

Answer:

Column I	Column II	
A. Herbarium	5. Storage of collected dried plant specimens.	
B. Key	1. Contrast pair or couplet	
C. Monographs	2. Information on any one taxon.	
D. Kingdom	4. Highest taxonomic category	
E. National Botanical Research Institute 3. Lucknow		