APOLLO

Biodiversity
FBISE Biology Class 9 (SSC-I)

Domain B: Evolution and Biodiversity Classification
33 questions | questions
Original FBISE question crops. National Curriculum 2022-23 topic.

FBISE model paper | Section A Q7 | 0.5 marks

7.	Which kingdom contains eukaryotes with cell walls and an absorptive mode of nutrition?	Fungi	Plantae	Protista	Animalia

FBISE model paper | Section A Q8 | 0.5 marks

8.	Which one of the following best defines “biodiversity”?	The study of living organisms and their environment	The grouping of organisms into categories based on similarities	The variety of living organisms found in a specific area or on Earth	The identification and naming of organisms

FBISE model paper | Section A Q9 | 0.5 marks

9.	In the taxonomic hierarchy starting from kingdom, which rank comes immediately after **Family**?	Class	Order	Genus	Specie

FBISE model paper | Section A Q10 | 0.5 marks

10.	Earliest classification systems were mainly based on:	Genetic makeup	Cellular structure	DNA sequencing	Physical characteristic

FBISE model paper | Section B Q1 | 3 marks

1.	Define binomial nomenclature. Give scientific names of one animal and one plant using binomial nomenclature.	1+1 +1

First Annual 2025 | Section A Q2 | 1 mark

2.	If human and cats belong to same class, they must belong to same:	Genus	Family	Order	Phylum

First Annual 2025 | Section A Q3 | 1 mark

3.	Colonial organization is the unique feature of kingdom:	Animalia	Fungi	Protista	Plantae

First Annual 2025 | Section B Q2(i) OR | 3 marks

(i) Complete the table: ٹیبل مکمل کریں:

Branch of Biology بائیولوجی کی شاخ	Area of study ایریا آف سٹڈی
Pharmacology فارماکولوجی	
	Study of cells خلیات کا مطالعہ
Cytology سائیٹولوجی	

03 **OR**

Complete the table: ٹیبل مکمل کریں:

Name of group of organism جانداروں کے گروہ کا نام	Composition of cell wall سیل وال کی ترکیب
Algae الجی	
	Chitin کائی ٹن
Bacteria بیکٹریا	

03

First Annual 2025 | Section B Q2(ii) OR | 3 marks

03	OR	Outline taxonomic hierarchy of human up to taxon of phylum.	03

First Annual 2025 | Section B Q2(v) | 3 marks

(v)	Why are viruses considered to be at borderline between living and non–living organisms?	03

First Annual 2025 | Section A Q2 | 1 mark

2.	A multicellular heterotrophic eukaryotic organism having chitinous cell wall is the member of kingdom:	Animalia	Plantae	Fungi	Protista

First Annual 2025 | Section A Q3 | 1 mark

3.	A _____ is a group of related genera.	Family	Order	Class	Phylum

First Annual 2025 | Section B Q2(ii) OR | 3 marks

Outline taxonomic hierarchy of pea up to taxon of phylum.	03

First Annual 2025 | Section B Q2(v) | 3 marks

(v)	Compare domain archaea and eubacteria. (Any two points)	03

Second Annual 2025 | Section B Q2(i) OR | 3 marks

Explain briefly 'biodiversity' and 'classification'. 'حیاتی تنوع' اور 'درجہ بندی' کی وضاحت کریں۔	1.5+ 1.5

First Annual 2026 | Section B Q2(v) | 3 marks

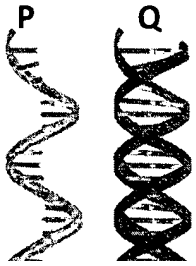
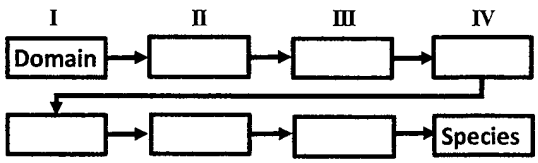
(v)	Name the domain which includes organisms without a true nucleus. Also write two characteristics of this domain.	1+2

First Annual 2026 | Section B Q2(vi) OR | 3 marks

	What is meant by family, genus and class. According to taxonomic ranking	1x3

First Annual 2026 | Section B Q2(i) OR | 3 marks

Q. 2 Attempt the following parts. (10 x 3 =30)

i)	Identify the Biomolecules **P** and **Q**. Write one function of each.		1.5 + 1.5	OR	Complete the given flowchart of Taxonomic ranks of classification in correct order. 	03

First Annual 2026 | Section B Q2(v) | 3 marks

Name and write one characteristic of three domains into which living organisms are broadly classified.	1x3	OR

First Annual 2026 | Section B Q2(ix) | 3 marks

(ix)	Name the groups included in domain Eukarya. Also write two features of this domain.	1+2

First Annual 2026 | Section B Q2(x) OR | 3 marks

1.5 +1.5	OR	Identify the highest and lowest taxonomic rank used in modern classification. Also describe these briefly.	1.5 +1.5

FBISE model paper | Section A Q1(iv) | 1 mark

(iv)	The scientific study of organisms and their evolutionary relationship is called:	Classification	Taxonomy	Systematics	Binomial nomenclature	○ ○ ○ ○

FBISE model paper | Section B Q2(i) OR | 3 marks

Show the complete taxonomic classification of human beings.	3

FBISE model paper | Section B Q2(x) OR | 3 marks

OR	Name three distinct domains of living organisms with one distinguishing feature of each?	3

First Annual 2025 | Section A Q3 | 1 mark

3.	Which one is correct scientific name according to binomial nomenclature?	Human beings	*Homo sapiens*	*People*	*Men and women*

First Annual 2025 | Section C Q4 | 5 marks

Q.4	What is meant by two kingdom and five kingdom classification systems? Give their comparison.	05

Second Annual 2025 | Section A Q4 | 1 mark

The Kingdom that consists of mostly unicellular and eukaryotic organism is:	Monera	Protista	Fungi	Plantae

Second Annual 2025 | Section B Q2(iii) | 3 marks

(iii)	Why viruses are not included in the five-kingdom classification system? Give three reasons.	1x3

First Annual 2026 | Section B Q2(ii) | 3 marks

Enlist the three main domains of living organisms. جانداروں کی درجہ بندی کے تین بنیادی ڈومینز (Domains) لکھیں۔	1x3

First Annual 2026 | Section B Q2(ii) OR | 3 marks

Which taxonomic ranks lie between Phylum and Genus?	03

First Annual 2026 | Section B Q2(i) OR | 3 marks

1.5 + 1.5	OR	What is meant by biodiversity? Why is it important for a natural ecosystem? Give one reason. بائیوڈائیورسٹی سے کیا مراد ہے؟ قدرتی ماحولیاتی نظام میں بائیوڈائیورسٹی (Biodiversity) کی اہمیت کی ایک وجہ بیان کریں۔	1.5 + 1.5

First Annual 2026 | Section B Q2(ii) OR | 3 marks

Describe the basic principles of classification used by early biologist such as Aristotle.	03

First Annual 2026 | Section B Q2(iii) | 3 marks

(iii)	Describe the basic principles (rules) of binomial nomenclature with reference to Linnaeus.	1x3