

BIOLOGY

023 - فرسٹ اینول - (نیم کا اس)

بیالوجی

Paper : I (Essay Type)

(دوسرا گروپ)

پہلے : 1 (انسانی طرز)

Time Allowed : 1.45 hours

وقت : 1.45 گھنٹے

Maximum Marks : 48

(PART - I حصہ اول)

کل نمبر : 48

2- کوئی سے پانچ (5) سوالات کے مختصر جوابات لکھئے:

- Define bioeconomics.
- State about Bu Ali Sina achievements in Biology.
- What is biosphere level?
- Define scientific method.
- Write two characteristics of hypothesis.
- Define incubation period.
- Differentiate between sieve tubes cells and companion cells.
- Define active transport.

3- کوئی سے پانچ (5) سوالات کے مختصر جوابات لکھئے:

- Define systematics.
- Write two aims of classification.
- Differentiate between karyokinesis and cytokinesis.
- How phragmoplast is formed in plant cell?
- How mitosis helps in cell replacement of body?
- What is meant by tetrad?
- How photosynthesis gets effected by temperature?
- Why it is incorrect to say that the energy releasing step of respiration is electron transport chain?

4- کوئی سے پانچ (5) سوالات کے مختصر جوابات لکھئے:

- How enzymes are used as biological detergent?
- What does saturation of active sites mean?
- Define "Lock & Key Model" of enzymes.
- Why vitamin C is important?
- Define peristalsis.
- What is "Cohesion-Tension Theory"?
- Define arteries and veins.
- Write the effects of dengue fever on platelets.

(PART - II حصہ دوم)

Note : Attempt any TWO questions.

نوٹ : کوئی سے دو سوالات کے جوابات لکھئے۔

5. (a) Define biology and explain its three main divisions.
6. (a) Define endangered species and discuss any three types of endangered species in Pakistan.
7. (a) Describe complete digestion in small intestine.
8. (a) Define biology and explain its three main divisions.
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