

031222

Zoology Paper II

USZO102

All Questions are compulsory.

Figures to the right indicate full marks.

Time: 3 hours

Total marks: 100

Q.1. a) Fill in the blanks.

5 Marks

1. _____ is one of the basic physical quantities of thermodynamics.
(Temperature, Safety, Chemicals, Hygiene).
2. _____ C is a boiling point of water. (0°, 100°, 273°, 32°)
3. Type-1 diabetes is treated using _____. (DNA, Iodine, Haemoglobin, Insulin)
4. _____ was born in Roslin Institute, Scotland. (CC Cat, Dolly sheep, FDA, Salmon)
5. _____ denotes Plank's constant. (h , λ , c , μ)

b) Match the column

5 Marks

- | | |
|------------------|----------------|
| 1. Absorbance | a. Herman |
| 2. Lactoferin | b. -273.16 °C |
| 3. Fermentation | c. pH scale |
| 4. Absolute zero | d. Colorimeter |
| 5. Sorenson | e. Yogurt |

c) Write true or false

5 Marks

1. Purification of vaccines can be done using electrophoresis.
2. A microscope magnifies and resolves the image of an object.
3. DNA fingerprinting does not have any application in forensic science.
4. Mode is a value repeated the maximum number of times.
5. Units of measurements cannot be neutral.

d) Write one sentence answer.

5 Marks

1. Resolving power of microscope
2. Flash Point
3. Biomarkers
4. Chromatography
5. Attribute