

Rajiv Gandhi University of Knowledge Technologies

APIIT- BASAR

BIOLOGY PRACTICALS

PUC-I, SEM –II, 2013-14

Particulars of the experiments performed

I. ANATOMY :-

1. Monocot stem Anatomy
2. Dicot stem Anatomy
3. Monocot Root Anatomy
4. Dicot Root Anatomy

II. TAXONOMY :-

Describe at least one locally available flowering plant form Solanaceae family.

III. PHYSIOLOGY EXPERIMENTS:-

1. Test for the presence of Starch
2. Test for the presence of Sugar
3. Test for the presence of Fats/Lipids
4. Test for the presence of Proteins

IV. SPOTTERS:-

A. ANIMAL SPECIMENS:-

1. Teania solium
2. Leech
3. Prawn
4. Snail
5. Star fish
6. Frog
7. Pigeon
8. Rabbit

B. PLANT SPECIMENS

1. Mushroom
2. Funaria
3. Pteris
4. Cycas mega sporophyll

C. ANIMAL SLIDES

1. Entamoeba histolytica
2. Euglena
3. Hydra
4. Cardiac muscle
5. Blood Smear
6. Cockroach Mouth Parts

D. PLANT SLIDES:-

1. Parenchyma
2. Collenchyma
3. Sclerenchyma
4. Xylem
5. Phloem
6. Spirogya

BIOLOGY PRACTICAL EXAM PAPER PATTERN (PUC-I, SEM-II)

Time : 3 Hours

Marks : 60 Marks

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|------|---|--------------------|
| I. | Major Experiment
(any one of Section Cutting or Solanaceae Family Description) | - 1X20 = 20 Marks |
| II. | Minor Experiment
(any one of Physiology Experiment) | - 1X 15 = 15 Marks |
| III. | Spotters
(Identification = 1 mark, Diagram = 1 mark , Description = 1 Mark) | - 5 X 3 = 15 Marks |
| IV. | Record and Voice via | - 5+5 = 10 Marks |

Total

:60 Marks

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Biology Course coordinator (PUC)