

## REDUCED H S (+ 2) PRACTICAL SYLLABUS, 2021

### 1. Reduced Syllabus : BIOLOGY Practical Examination, 2021 : Marks – 30

#### 1. LIST OF MAJOR EXPERIMENTS : 6 x 1=6

(a) Study of pollen germination on a slide.

Preparation of slide -  $2\frac{1}{2}$

Drawing & Labelling -  $3\frac{1}{2}$

(b) To Prepare a temporary mount of onion root tip to study mitosis

Preparation of slide -  $2\frac{1}{2}$

Drawing & Labelling -  $3\frac{1}{2}$

(c) To study the effect of 3 different temperature on the activity of salivary amylase on starch.

Procedure -  $2\frac{1}{2}$

Observation -  $2\frac{1}{2}$

Inference - 1

#### 2. LIST OF MINOR EXPERIMENTS : 4 x 1=4

(a) To Collect soil from at least two different sites and study them for pH and water holding capacity. To correlate these findings with the kind of plants found in them.  $1\frac{1}{2} + 1\frac{1}{2} + 1 = 4$

(b) To Collect water from two different water bodies and study them for pH, clarity and presence of any living organism.  $1\frac{1}{2} + 1\frac{1}{2} + 1 = 4$

#### 3. IDENTIFICATION : (Any Four) : 2x4=8

Ascaris (Entamoeba, plasmodium) – (slide), opuntia, Any Carp fish, Hydrilla, Water hyacinth, wind pollinated or insect pollinated flower.

Two main characters :  $\frac{1}{2} + \frac{1}{2} = 1$  ; Identification -1

4. VIVA VOCE - 02

5. NOTE BOOK - 05

6. ATTENDANCE - 05

**Total Marks – 6+4+8+2+5+5 = 30**

## 5. Revised syllabus: H S (+2) Physics Practical Examination, 2021 : Marks -30

### Name of the experiments to be performed:-

1. To Determine resistance per cm of a given wire by plotting a graph of 'potential difference versus current'
2. To find resistance of a given wire using metre bridge.
3. To verify laws of combination ( series or parallel) of resistance using metre bridge.
4. To determine resistance of a galvanometer by half- deflection method and find its figure of merit.
5. To find the value of 'v' for different values of 'u' in case of a concave mirror and to find the focal length
6. To find the focal length of a convex lens by plotting graphs between 'u' and 'v' or between  $1/u$  and  $1/v$ .
7. To determine angle of minimum deviation for a given prism by plotting a graph between angle of incidence and angle of deviation.
8. To determine refractive index of a glass slab using a travelling microscope.

### Distribution of marks

a. One experiment :	18 marks
b. Viva on experiment:.	2 marks
C. Practical record:	5 marks.
d. Attendance :.	5 marks.

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**Total = 30 Marks**

## 6. Reduced Syllabus : H.S.(+2) Psychology Practical Examination, 2021 :

**Full Marks – 30**

Students shall be required to conduct the following test :-

**I. Measurement of Adjustment pattern using Bell Adjustment Inventory..... 18**

### **Marks Distribution**

1. Problem	:	01
2. Basic Concept	:	03
3. Preliminaries	:	01
4. Materials Required	:	01
5. Introduction to the Subject	:	01
6,. Procedure	:	03
7. Data and Result	:	04
8. Precaution	:	01
9. Discussion and Conclusion	:	03

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**Total = 18**

**II. Viva ..... 02**

**III. Note Book .....05**

**IV. Attendance..... 05**

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**Grand Total.....30**

## 7. Reduced Syllabus:H.S.(+2)Statistics Practical Examination,2021:30

### List of Experiments :

1. Application and Fitting of Binomial Distribution
2. Application and Fitting of Poisson Distribution
3. Large sample test of a single mean, single proportion and difference to two proportions
4. Exact test of hypotheses under normal set up for a single mean, difference to two means and single variance.

### Distribution of Marks :

1. Two Experiments..... 9+9=18 Marks
2. Viva voce..... .2
3. Laboratory Note Book ..... 5
4. Attendance..... 5

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**Total = 30 Marks**