

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

2. Reduced Syllabus : H.S.(+2) Chemistry Practical Examination, 2021 :

Full Marks – 30

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| 1. Volumetric Analysis (Redox Reaction)..... | 8 |
| (আয়তন মাত্রিক বিশ্লেষণ) (জারণ-বিজারণ বিক্রিয়া) | |
| 2, Analysis of Acid/ Basic Radical..... | 5 |
| অম্লমূলক / ক্ষারীয় মূলক-কর বিশ্লেষণ | |
| 3. Identification of Functional group..... | 5 |
| কার্যকরী মূলকের সনাক্তকরণ | |
| 4. Viva voce..... | 2 |
| -মৌখিক পরীক্ষা | |
| 5. Laboratory Note Book..... | 5 |
| ল্যাব-রটরী -নাট খাতা | |
| 6. Attendance..... | 5 |
| উপস্থিতি | |
| | |
| Total..... | 30 |

N.B. List of Volumetric Expts, acid and basic radicals, functional groups are as per syllabus already notified

বি.দ্র. : আয়তনমাত্রিক বিশ্লেষণ, অম্লমূলক, ক্ষারীয়মূলক ও কার্যকরী মূলকের তালিকা মূল সিলেবাসে -দওয়া
আ-ছ ।

3. REDUCED SYLLABUS : H S (+2) Geography Practical Examination, 2021 :

Marks: 30

- 1) I) Sources of data and its compilation. 6
ii) Tabulation and construction of frequency distribution: Histogram, Frequency Polygon
রাশিত-থ্যর উৎস এবং ইহার সংকলন
সারনিধিকরণ এবং পরিসংখ্যা বন্টনের গঠন : আয়তনের, পরিসংখ্যা বক্রভূজ
- 2) Measures of central tendency: Calculation of Mean, Median & Mode.....6
-কন্দীয় প্রবণতা নির্ণয় : মধস্থ গড়, মধ্যমা এবং ভূয়িস্টক (-মাড়)
- 3) Geographical calculation and construction of data: Simple Bargraph/ Bar diagram and Pie diagram/ Pie graph 6
ভৌগোলিক রাশিতথ্যের গঠন ও অঙ্কণপ্রনালী :
সাধারণ স্তম্ভচিত্র/স্তম্ভলেখ ও পাইচিত্র
- 4) Viva voce2
-মৌখিক পরীক্ষা
- 5) Practical Note Book.....5
ল্যাব-রটারি -নাট খাতা
- 6) Attendance 5
উপস্থিতি

Total = 30

4. Reduced Syllabus : H.S.(+2) MUSIC Practical Examination, 2021 : Marks – 55

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| (১) দ্রুত -খয়াল (-কদার, মাল-কাষ) | - | 15 |
| (২) রবীন্দ্রসংগীত (-প্রম/পূজা/নৃত্যনাট্য/স্ব-দশ পর্যায়) [any one] | - | 15 |
| (৩) নজরুল/রজনীকান্ত/লোকসঙ্গীত [any one] | - | 13 |
| (৪) Viva | - | 02 |
| (৫) Assignment/Notebook | - | 05 |
| (৬) Attendance | - | 05 |

Total = 55

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. |

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 |

Total = 18

II. Viva 02

III. Note Book05

IV. Attendance..... 05

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