**Board of Intermediate Education, Karachi**

**H.S.C Part II, Botany Practical Examination,20\_\_\_**

**Centre: ---------------------------------------------------------------------------------------------**

**Lab Examination Key**

**Max.marks: 80 points Date:**

**Shift: Time:**

**Q1: Prepare a temporary slide the given plant material. Describe the anatomical and ecological characters with labelled diagram. (25 points)**

**A: ----------------------------------------------------------------------------------------------------------**

**B: ----------------------------------------------------------------------------------------------------------**

**Q2: Write theory, observation, calculation and result for the given experiment. (20 points)**

**A: ----------------------------------------------------------------------------------------------------------------**

**B: ----------------------------------------------------------------------------------------------------------------**

**Q3: Identify and give reasons of identification for given spots (15 points)**

**Spot no: 1------------------------------------------------------------------**

**Spot no: 2------------------------------------------------------------------**

**Spot no: 3------------------------------------------------------------------**

**Q4: Viva voce (10 points)**

**Q5: Certified Practical Journal (10 points)**

**Internal Examiner External Examiner**

**Full Name: -------------------------------- Full Name: ------------------------------**

**Signature: ----------------------------------- Signature: -------------------------------**

**Board of Intermediate Education, Karachi**

**H.S.C Part II, Botany Practical Examination,20\_\_\_**

**Centre: ---------------------------------------------------------------------------------------------**

**Rough Award List**

**Max.marks: 80 points Date:**

**Shift: Time:**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **S.NO** | **Roll.no** | **Q1**  **SLIDE** | **Q2**  **EXPERIMENT** | **Q3 SPOTTING** | **Q4**  **VIVA** | **Q5 C.JOURNAL** | **TOTAL POINTS** | **TOTAL MARKS** |
|  |  | **25POINTS** | **20 POINTS** | **15 POINTS** | **10POINTS** | **10 POINTS** | **80** | **08** |
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**Internal Examiner External Examiner Name & signature Name & signature**

**Data for quadrate method:**

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| --- | --- | --- | --- | --- |
| **Quadrate -1** | **Quadrate -2** | **Quadrate -3** | **Quadrate -4** | **Quadrate -5** |
| ***Helotropium--2*** | ***Aerva javanica-1*** | ***Suaeda fruticose-1*** | ***Euphorbia hirta -3*** | ***Helotropium--1*** |
| ***Fagonia indica--5*** | ***Sida tiagii--2*** | ***Helotropium--5*** | ***Aerva javanica-1*** | ***Euphorbia hirta -3*** |
| ***Euphorbia hirta -3*** | ***Suaeda fruticose-4*** | ***Aerva javanica-2*** | ***Suaeda fruticose-5*** | ***Sida tiagii--2*** |
| ***Suaeda fruticose-6*** |  | ***Euphorbia hirta -3*** | ***Fagonia indica--5*** | ***Suaeda fruticose-5*** |
| ***Aerva javanica-1*** |  |  |  |  |
| ***Sida tiagii--2*** |  |  |  |  |

**Data for moisture content of soil**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sample**  **no** | **Wt.of Tin**  **Box**  **A** | **Wt.of Tin Box+**  **soil**  **B** | **Wt.of Tin Box+**  **Oven dried soil**  **C** |
| **1** | **30.8** | **40.4** | **38.4** |
| **2** | **30.9** | **36.7** | **35.7** |
| **3** | **30.4** | **36.5** | **36.4** |

**Data for poly genic inheritance**

|  |  |  |  |
| --- | --- | --- | --- |
| **S.No** | **Height of pupils**  **(cm)** | **S.No** | **Height of pupils**  **(cm)** |
| **1** | **158** | **16** | **153** |
| **2** | **159** | **17** | **153** |
| **3** | **142** | **18** | **146** |
| **4** | **143** | **19** | **153** |
| **5** | **158** | **20** | **147** |
| **6** | **147** | **21** | **147** |
| **7** | **146** | **22** | **159** |
| **8** | **159** | **23** | **147** |
| **9** | **147** | **24** | **142** |
| **10** | **152** | **25** | **142** |
| **11** | **152** | **26** | **150** |
| **12** | **152** | **27** | **151** |
| **13** | **149** | **28** | **151** |
| **14** | **148** | **29** | **142** |
| **15** | **148** | **30** | **144** |