

**PRACTICAL EXAMINATION QUESTION PATTERN PAPER**

**Dr. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY**

**B.Sc.II YEAR PRACTICAL EXAMINATION**

**ZOOLOGY – GENETICS (PAPER-VII)**

**Center: -**

**Time: - 04 hrs**

**Batch no.: -**

**Marks: - 100**

- |             |  |           |
|-------------|--|-----------|
| <b>Q 1.</b> | <b>Identify the spot 1-3 based on common mutants of Drossophilla .</b>                     | <b>15</b> |
| <b>Q 2</b>  | <b>Find out blood groups &amp; Rh factors of the given blood samples.</b>                  | <b>10</b> |
| <b>Q3</b>   | <b>Genetics – Major problem</b>  | <b>25</b> |
| <b>Q4</b>   | <b>Genetics –Minor problem</b>   | <b>15</b> |
| <b>Q5</b>   | <b>Identify the spot 1-3 with reference to mutants of human on the basis of karyotype.</b> | <b>15</b> |

**OR**

**Calculate gene frequency of given human data (attached ear lobe, colour of eye , rolling of tounge & blood groups)**

- |           |                    |           |
|-----------|--------------------|-----------|
| <b>Q6</b> | <b>Viva –voce</b>  | <b>10</b> |
| <b>Q7</b> | <b>Record book</b> | <b>10</b> |

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**B.Sc.II YEAR PRACTICAL EXAMINATION**

**ZOOLOGY - ANIMAL PHYSIOLOGY (PAPER-VIII)**

**Center: -**

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- Q1** Detection of any two digestive enzymes in Cockroach & write Observations and results. **15**
- Q2** Find out the effect of Acidity /Alkalinity on amylase activity in relation to pH. **15**
- Q3** Estimation of O<sub>2</sub> consumption in -----with reference to body weight. **15**
- Q4** Detect any two Nitrogenous Waste products from the given Sample. Report the test & observation and results. **15**
- OR**
- Detect the organic compounds from the given sample . Report the test & observation and results.
- Q5** Estimation of Haemoglobin from the given blood sample. **10**
- OR**
- Counting of RBC/WBC from the given blood sample.
- OR**
- Prepare the Haematin crystals from given blood sample.
- Q6** Identify the spot 1-3. (histological study of endocrine glands) **15**
- Q7** Record book. **10**
- Q8** Viva-voce **05**