Mangalore University

Scheme Of Practical Examinations In Chemistry

( As per the New Education Policy )

B.Sc VI Semester Chemistry Practical – VIII

Organic Chemistry

Duration: 4 hours Max.Marks:25

Note: Only those students with certified class records are allowed to attend the practical examination.

**Any one of the following experiments may be set for practicals.**

**Preparation (Two and Three stages)**

1. 2,4-Dinitrophenylhydrazine from Chloronitrobenzene.
2. Anthranilic acid from phthalic acid.
3. Benzanilide from benzophenone.
4. Benzilic acid from benzoin.
5. Synthesis of Acridone.

**Quantitative analysis**

6. Titrimetric estimation of Amino acids.
7. Saponification value of oil.
8. Estimation of Glucose by Fehling's method.
9. Estimation of Phenol.
10. Iodine value of oil (Chloramine-T method).

***Scheme of Valuation***

**Multistage preparations (Experiments 1-5)**

Presentation of crude sample in the first stage for two stage preparation OR in the second stage for three stage preparation. 10 M

Presentation of crude and recrystallized sample in the final stage Along with yield. 12 M

Melting point of recrystallised sample. 3M

**Quantitative analysis ( Experiments 6-10)**

i) Two titre values: 8marks each 8x2=16

| Error in Titre Value | Standardisation (Marks) | Estimation (Marks) |
|---|---|---|
| ±0.2 $cm^3$ | 8 | 8 |
| ±0.3 $cm^3$ | 7 | 7 |
| ±0.4 $cm^3$ | 5 | 5 |
| ±0.5 $cm^3$ | 4 | 4 |
| Any other value | 3 | 3 |

ii) Calculation of strength 4 Marks

iii) Final calculation and result 5 Marks

## Allotment of practical Internal Assessment Marks:

Total marks to be awarded 25

Distribution of marks

Class Records 5M

Continuous evaluation during practicals 5M

Internal practical Examination 15M

**Note:**

Neat class records with 10 experiments may be awarded full marks. Marks to be reduced proportionally for lesser number of experiments and neatness.

Internal practical examination is to be conducted as per the university practical exam model (Max.Marks: 25) and then the total marks is to be reduced to 15.

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