

Lab Reports

- Introduction	- 15 marks
Materials and Methods	- 5 marks
Results and Discussions	40 marks
Conclusions and Future Work	- 15 marks
Question and Answers	20 marks
References	5 marks

Introduction :- 1) Aims of the Laboratory session
2) Background Knowledge of the technique
3) Usefulness of the technique in Pharmaceutical Science

Make sure you use correct material to expand your knowledge - 300-300 words

Materials and Methods :-

- Information about materials use (names, batch no, quantity etc)
- Sample preparation procedure
- Information about the instrument used
- Exact method that was used (experimental settings)
- Software used to collect data and analyse data

Results and Discussion

Data Analysis - Full step by step calculation

Data presentation - Tables, graph & images

Critical Analysis of Data

Comparison between Obtained and Expected data

Future & Con Conclusion and future work

- Concise

- Improve results in potential future work
- Please state clearly what are the results of the Assessment and how they compare to what was expected
- state only the most important results ie the final values
- Discuss the opportunities to improve results in potential future work

Question and Answers

Type each question from the lab manual

- Provide Answer to each one of the questions
- Include reference to point out to the document you used to find the answer to the question

Reference - Use Harvard or Vancouver style for Referencing

- Make sure that all Reference are correctly entered in the text
- List of Reference are uniformly presented

- It is always good to have minimum $\frac{4}{5}$ good quality references

Conclusion: summary of your learning outcomes from the experiment

- **Questions and Answers:** please state clearly all questions from the manual and provide answers to them.
- **References:** please use literature to support your writing. Do not copy from the colleague as it is considered as plagiarism and both will receive 0 mark for the report

Useful information for the Data analysis

- **Structure:** you must have a clear structure when you present the report
- **Method:** past tense, passive voice and **please do not copy the manual**
- **Proper record of data:** you must have raw data, use correct calculations, and record your observations
- **Be rigorous:** units, decimal places, standard deviations...
- **Pay attention to units and scientific writing** (~~-2mg~~ - 2 mg)
- **Good tabulation:** label graphs and figures properly, table numbering, clear legends used...

OMED0104 – Virtual Labs



Rain...



the websites/discussion forums etc.

- It is always good to have minimum 4/5 good quality references

Feedforward

General structure of lab report write up

- **Aim:** use past tense, passive voice (no I, we etc.)
- **Introduction:** in-text reference
- **Method:** do not copy the lab manual, honest record of data
- **Results:** your observations, your images, your graphs, your tables
- **Discussion:**
 - critical analysis of your results (why, what, how)
 - experimental errors / future points
- **Conclusion:** summary of your learning outcomes from the experiment
- **Questions and Answers:** please state clearly all questions from the manual and provide answers to them.
- **References:** please use literature to support your writing. Do not copy from the colleague as it is considered as plagiarism and both will receive 0 mark for the report

Useful information for the Data analysis

- **Structure:** you must have a clear structure when you present the report



Rain...

