



Project-2018-19 Class XII Sc.

Subject: Physics

Objective Students would be told to prepare a working model and project report on the topic allotted to them. The topic are as follow.

Topics : Automatic Night Lamp, Multileveled car parking, clap switch, Full wave Rectifier, Water Level Indicator.

Methodology: Students will be told to prepare a working model and a write up on the topic allotted to them.

Students would be able to

Learning

Outcome i) Learn about the various electronic parts used in the model.
ii) Assemble the various components used in making the circuit of model

Marking Scheme

Content	Preparation	Presentation	Result	Total
3	3	2	2	10

Biotechnology:-

Aim: Project on Role of genetics in detecting crime.

Methodology: -

The candidates are to creatively execute one project on one aspect of Biotechnology. Students will search for the topic on internet, magazines, journals etc., compile and present it in comprehensive form(Hand written)

Learning Outcomes: -

They would learn in detail about the topic. They would get an insight into the vast scope of Biotechnology

Marking Scheme

Content	Presentation	Diagrams photos	Neatness	Total
3	3	3	1	10

Biology:-**Aim: -**

The candidate is to creatively execute one project on any one aspect of Biology. They will choose from the following topics:-

- Biodiversity
- PCR
- Complementary genes

Methodology: -

Students will search for the topic on internet, journals, magazines, Newspapers etc They will collect, compile and present the matter in hand written form with diagrams, Photos etc

Learning outcome: -

Students would get insight into the topic and they would learn about the procedure to present their topics in appreciable form.

Marking Scheme:-

Content	Procedure	Diagrams photos	Conclusion	Total
2	3	3	2	10

Chemistry: -**Aim:-**

Students would be instructed to prepare project files on the topic allotted to them. The topics are mentioned below-

Methodology: -

Students would be asked to give details of topic of project, draw figures or paste pictures relevant to topics.

Learning outcomes:-

- (1) Students will search the detail information regarding the topics, They will have to consult different journals, books magazines Internet etc.
- (2) They will learn to brief the topics
- (3) They will learn to express the matter in short but efficiently
- (4) They may visit industry related topic for getting idea. This will help them to develop their knowledge and ideas
- (5) They will learn to present the matter.

Topics:

- (1) Content of Cold Drinks Available in the Market
- (2) Effects of Heat on Vitamin C in Tomatoes
- (3) Biodiesel
- (4) Synthesis and Decomposition of Aspirin
- (5) Synthesis and Characterization of a Self-Healing Polymer
- (6) Evaluation of Drinking Water from Various Sources

Marking Scheme

Content	Presentation	Preparation	Photographs	Total
3	3	2	2	10

