

DIPLOMA EXAMINATION IN ENGINEERING/TECHNOLOGY/MANAGEMENT/
COMMERCIAL PRACTICE – APRIL -2019.

NATURAL RUBBER PRODUCTION

(Maximum Marks : 100)

[Time : 3 hours]

PART-A
(Maximum marks: 10)

Marks

I. Answer all questions in one or two sentences. Each question carries 2 marks.

1. Define “clone” in terms of rubber plants.
2. Point out any four implements used in tapping of rubber tree.
3. Mention the ingredients of LATZ preservative system.
4. List the dry marketable forms of natural rubber.
5. Expand the abbreviations DPNR and TPNR.

(5x2=10)

PART - B
(Maximum Marks : 30)

II Answer any **five** of the following questions . Each question carries 6 marks.

1. Describe the standard of tappability for budded and seedling rubber trees.
2. List out the reasons for concentration of NR latex and mention any two processes proposed for concentrating NR latex.
3. Describe the principle of latex centrifuging process.
4. Explain the manufacturing process of Air Dried Sheets.
5. Enlist the advantages of ISNR.
6. Explain the preparation and applications of Chlorinated Natural Rubber.
7. Outline the preparation of Latex master batch.

[5x6 =30]

PART - C
(Maximum marks : 60)

(Answer one full question from each unit. Each full question carries 15 marks)

UNIT I

- III** (a) Explain the nature of action and method of application of yield stimulants. (8)
- (b) Describe the different types of tapping and it's significance. (7)