

GOVERNMENT THAKUR RANMAT SINGH COLLEGE, REWA (M.P.)

Class: B.Sc. I Semester

Subject: Chemistry

Paper: H - 1

असाइनमेंट का शीर्षक / Assignment topic

Periodicity of Elements

अथवा / Or

Chemical Bonding

Class: B.Sc. I Semester

Subject: Chemistry

Paper: H - 2

असाइनमेंट का शीर्षक / Assignment topic

Alkanes and cycloalkanes

अथवा / Or

Solid state

Class: B.Sc. I Semester

Subject: Chemistry

Paper: S - 1

असाइनमेंट का शीर्षक / Assignment topic

Chemical Bonding

अथवा / Or

Liquid state

GOVERNMENT THAKUR RANMAT SINGH COLLEGE, REWA (M.P.)

Class: B.Sc. III Semester

Subject: Chemistry

Paper: H - 5

असाइनमेंट का शीर्षक / Assignment topic

p- Block elements?

अथवा / Or

Aldehydes and ketones?

Class: B.Sc. III Semester

Subject: Chemistry

Paper: H - 6

असाइनमेंट का शीर्षक / Assignment topic

Non- Aqueous solvent?

अथवा / Or

Alcohols and phenols?

Class: B.Sc. III Semester

Subject: Chemistry

Paper: S - 3

असाइनमेंट का शीर्षक / Assignment topic

Noble Gases?

अथवा / Or

Chemistry of first transition series?

GOVERNMENT THAKUR RANMAT SINGH COLLEGE, REWA (M.P.)

Class: B.Sc. V Semester

Subject: Chemistry

Paper: H – 9

असाइनमेंट का शीर्षक / Assignment topic

What is crystal field theory? How does it differ from valence bond theory?

अथवा / Or

Describe the mechanism of free radical polymerization?

Class: B.Sc. V Semester

Subject: Chemistry

Paper: H – 10,

असाइनमेंट का शीर्षक / Assignment topic

Write down short notes on the following

a) Structure of Grignard reagent

b) Organo zinc compound

अथवा / Or

Discuss the origin of NMR spectroscopy Give a brief account of its application?

Class: B.Sc. V Semester

Subject: Chemistry

Paper: S – 5

असाइनमेंट का शीर्षक / Assignment topic

What are enolates? Explain the acid and base catalysed mechanism of enolisation?

अथवा / Or

What are various consequences of absorption of light radiation? Discuss with the help of Jablonski diagram?

GOVERNMENT THAKUR RANMAT SINGH COLLEGE, REWA (M.P.)

Class: M.Sc. I Semester

Subject: Chemistry

Paper: MCH – 401

Name of paper: Inorganic Chemistry

असाइनमेंट का शीर्षक / Assignment topic

Explain VSEPR theory?

अथवा / Or

Write note HSAB?

Class: M.Sc. I Semester

Subject: Chemistry

Paper: MCH – 402

Name of paper : Organic Chemistry

असाइनमेंट का शीर्षक / Assignment topic

Write note Tautomerism?

अथवा / Or

What do you understand by optical activity?

Class: M.Sc. I Semester

Subject: Chemistry

Paper: MCH – 403

Name of paper: Physical Chemistry

असाइनमेंट का शीर्षक / Assignment topic

Schrodinzer wave equation?

अथवा / Or

Write note of fugacity?

Class: M.Sc. I Semester

Subject: Chemistry

Paper: MCH – 404

Name of paper: Group theory math for Chemistry biology for Chemistry

असाइनमेंट का शीर्षक / Assignment topic

Define group and sub-group?

अथवा / Or

Symmetry aspect of molecular vibration?

GOVERNMENT THAKUR RANMAT SINGH COLLEGE, REWA (M.P.)

Class: M.Sc. III Semester

Subject: Chemistry

Paper: MCH – 501

Name of paper: application of spectroscopy

असाइनमेंट का शीर्षक / Assignment topic

General introduction & definition of NMR spectroscopy?

अथवा / Or

Explain Mossbauer spectroscopy

Class: M.Sc. III Semester

Subject: Chemistry

Paper: MCH – 502

Name of paper: photochemistry

असाइनमेंट का शीर्षक / Assignment topic

Explain the intramolecular reaction of carbonyl compounds?

अथवा / Or

Explain the photo fries rearrangement?

Class: M.Sc. III Semester

Subject: Chemistry

Paper: MCH – 503

Name of paper: Polymer chemistry

असाइनमेंट का शीर्षक / Assignment topic

Explain network and linear polymers?

अथवा / Or

Explain the borane and diborane?

Class: M.Sc. III Semester

Subject: Chemistry

Paper: MCH – 504

Name of paper: Heterocyclic chemistry

असाइनमेंट का शीर्षक / Assignment topic

Explain the empirical resonance energy?

अथवा / Or

Explain the oxepine and azpines?

GOVERNMENT THAKUR RANMAT SINGH COLLEGE, REWA (M.P.)

Class: M.Sc. I Semester

Subject: Biochemistry

Paper: I

Name of paper: Bio Organic Chemistry

असाइनमेंट का शीर्षक / Assignment topic

Features of double helix DNA?

अथवा / Or

Properties of fatty acid?

Class: M.Sc. I Semester

Subject: Biochemistry

Paper: II,

Name of paper : Cell Biology

असाइनमेंट का शीर्षक / Assignment topic

Membrane transport in bacteria?

अथवा / Or

Chromo somal abberation?

Class: M.Sc. I Semester

Subject: Biochemistry

Paper: III,

Name of paper: Biophysical chemistry and techniques

असाइनमेंट का शीर्षक / Assignment topic

Gos chromatography?

अथवा / Or

Basic concept of spectroscopy?

Class: M.Sc. I Semester

Subject: Biochemistry

Paper: IV

Name of paper: physiology

असाइनमेंट का शीर्षक / Assignment topic

Composition of blood?

अथवा / Or

Role of neurotransmitter?

GOVERNMENT THAKUR RANMAT SINGH COLLEGE, REWA (M.P.)

Class: M.Sc. III Semester

Subject: Biochemistry

Paper: I

Name of paper: metabolism and plant biochemistry

असाइनमेंट का शीर्षक / Assignment topic

Substrate level phosphorylation?

अथवा / Or

Fatty acid oxidation?

Class: M.Sc. III Semester

Subject: Biochemistry

Paper: II

Name of paper : Immunology

असाइनमेंट का शीर्षक / Assignment topic

Type of hypersensitivity?

अथवा / Or

Monoclonal antibodies production?

Class: M.Sc. III Semester

Subject: Biochemistry

Paper: III

Name of paper: Genetic Engineering

असाइनमेंट का शीर्षक / Assignment topic

DNA finger printing?

अथवा / Or

Antisense RNA technology.

Class: M.Sc. III Semester

Subject: Biochemistry

Paper: IV

Name of paper : clinical biochemistry

असाइनमेंट का शीर्षक / Assignment topic

Fatty liver?

अथवा / Or

Xenobiotic metabolism?