

M.Phil (Biotechnology) Examination

Paper-I : Research Methodology

May-2017

Time : 3 Hours]

[Max. Marks : 70

All questions carry equal marks

Q.1 Answer the following (any one)

14

What are the important criteria used to define and develop a research problem. What is difference between applied and basic research?

Or

Discuss the use of information technology in research.

Q.2 Discuss the methodology, principles and applications of any one

14

(a) Chromatography techniques

(b) Immunodiagnostic methods

Q.3 Answer the following(Any one)

14

Discuss briefly isolation, cultivation and preservation of halophiles.

Or

Write a note on Quality Assurance and Quality Control according to industry.

Q.4 Answer the following(Any one)

14

Explain in a stepwise manner the isolation and purification of nucleic acids from soil.

Or

Discuss gene manipulation techniques with applications.

Q.5 Answer the following(Any three)

14

(a) Importance of Title of project

(b) HPTLC

(c) LAL test

(d) Proteomics
