

**SURENDRANATH COLLEGE**

INTERNAL ASSESSMENT

SEMESTER-1, 2018-19

SUBJECT- BOTA

CC-1

Time-1hr.

Full Marks-25

CU Reg. No.-	SECTION-	ROLL NO.-
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<b>MARKS OBTAINED</b>	Signature of Examiner- With date
<b>MARKS CONVERTED TO 10</b>	Approved by HOD- With date

## Question Booklet

<b>Q No.1</b>	Answer the following: a) What are viroids? b) Give 2 characters of Actinobacteria. c) What is the significance of endospore? d) Define competence/competence factor. e) What is heterocyst? f) What is red snow? g) What is diphasic life cycle? h) What is ectocarpin?	<b>Mark</b> <i>s</i> <i>1</i> <i>1</i> <i>2</i> <i>2</i> <i>1</i> <i>1</i> <i>1</i> <i>1</i>
<b>Q No.2</b>	Answer any 3 of the following: a) Distinguish between Hfr x F- and F' x F- conjugation. b) Briefly discuss the ultrastructure of flagella (Diagramatic) c) Discuss the replicative phase (multiplication) of TMV. d) Briefly describe the reproductive structures of <i>Chara</i> . e) Briefly describe the post fertilization changes in <i>Polysiphonia</i> . f) Write a short note on ultra structure of algal plastid.	<b>5X3</b>

*Answer*

<i>Q No.</i>	<i>Answer</i>

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