Seat No:__

Enrollment No:____

PARUL UNIVERSITY

FACULTY OF APPLIED SCIENCE

B.Sc./IMSC Summer 2017-18 Examination

Semester: 4 Date: 12/05/2018 Time: 10:30am-1:00pm **Subject Code: 11102251**

Subject Code: 11102231 Subject Name: Molecular Biology	Total Marks: 60
Instructions:	
1. All questions are compulsory.	
2. Figures to the right indicate full marks.	
3. Make suitable assumptions wherever necessary.	
4. Start new question on new page.	
Q.1. A) Essay type/ Brief note (Each of 04 marks) (a) Discuss Watson Crick model of DNA	(08)
(b) Describe nucleotides.	
Q.1. B) Answer the following questions (Any two)	
(a) Short note on Griffith experiment of transforming principle.	(04)
(b) Short note on Hershey and chase experiment.	(04)
(c) Give Difference between DNA and RNA	(04)
Q.2. A) Answer the following questions.	
(a) Brief note (2x2)	(04)
1. A form of DNA	
2. B form of DNA	
(b) Short note on initiation process of replication in prokaryotes	(04)
Q.2. B) Answer the following questions (Any two)	
(a) Short note on Structure of tRNA	(03)
(b) Short note on Central dogma of the cell	(03)
(c) Short note on Role of DNA Polymerases in Replication	(03)
Q.3. A) Essay type/Brief note (4x2) (Each of 04 marks)	(08)
(a) Describe initiation in transcription	
(b)Describe termination in translation	
Q.3. B) Answer the following questions (Any two)	
(a) Short note synthesis of amino aceyl tRNA	(04)
(b) Short note on ubiquitination	(04)

(04)
(04)
(04)
(04)
(04)
(-)
(04)
(03)

(b) Short note Trp Operon

(c) Short note on protein trafficking

(03)

(03)