QUESTION PAPER CODE- 52010

University Institute of Engineering & Technology
(Recognised Under Section 2(f) and 12B of UGC)
Kurukshetra University, Kurukshetra

Roll No. -

THEORY EXAMINATION – MAY 2019	
B.TECH -	SEMESTER – II

TIME – 3 Hrs.

M.M. - 75

PAPER- BS-141

SUBJECT- Biology

Note: All questions in Part-A and Part-B are compulsory. Attempt any four questions from Part-C selecting at least one from each unit.

PART-A (15 Marks)

Q. No. – 1 Answer the following questions.

(i)	Differentiate between: a) Exo and endothermic reactions (2X5) b) Autotrophs and Heterotrophs c)Aquatic and terrestrialhabitat d) Variation and speciation e) Unicellular & Multicellular organisms.
(ii)	Give an experiment to prove DNA as genetic material. (5)

PART-B (20 Marks)

	UNIT-I	
2	Write the characteristic features of living organisms	5
3	Differentiate between primary & secondary proteins	5
4	Write about the symptoms and treatment of Diabetes I and II	5
5	Explain the photosynthetic reactions.	5

PART-C (40 Marks)

	UNIT-I	
6	Differentaite between Prokaryotic and Eukaryotic cell with the help of diagram	10
7	Draw the diagram of Nucleus and Endoplasmic reticulum and write their functions.	10
	UNIT-II	

8	Explain different structures and form of DNA how it differs from RNA	10
9	Classify different types of carbohydrates and write their functions	10
	UNIT-III	
10	Differentiate between mitosis and meiosis with the help of diagram.	10
11	What are the morphological features for characterization of bacteria how are they beneficial for human beings	10
	UNIT-IV	
12	How the field of medicine and agriculture be improved by use of modern day biology.	10
13	Write notes on i)BioMEMS ii)Bioinformatics	10