Reg No.:_____ Name:____

APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY

FIFTH SEMESTER B.TECH DEGREE EXAMINATION(R&S), DECEMBER 2019

Course Code: FT369 Course Name: NON THERMAL PROCESSING OF FOOD			
Duration: 3 Hours			
<i>marks</i> . Marks			
food (5)			
nvolved (10)			
an HPP and the (8)			
unisms in Pulsed (7)			
ing with a neat (10)			
ed electric field (5)			
narks. plication in food (7)			
mananiama hay (0)			
roorganisms by (8)			
with examples. (7)			
(3)			
(5)			
e mechanism of (15)			
narks. ication in food (10)			
15 on t in a rga ess ulso appoint ds atu			

- 7 a) Explain the design of pulsed light technology with its application in food (10) industry.
 - b) What are the different chemicals and biochemicals used in food industry. (10)

- 8 a) Explain the working principle of batch system in CO_2 processing and (10) applications in food industry.
 - b) Briefly explain the role Hurdle technology in the preservation of food. (10)
- 9 a) Explain the application of Gamma rays in food processing. (5)
 - b) What are the benefits of ozone in food processing? List out the examples of ozone approved agencies. (5)
 - c) Elucidate the different membrane separation processes used in food industry. (10)
