Reg. No.	
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MANIPAL INSTITUTE OF TECHNOLOGY

(A constituent unit of MAHE, Manipal 576104)

III SEMESTER B.Tech. (BME) DEGREE END SEM. EXAMINATIONS, NOV/DEC 2018.

SUBJECT: ANATOMY AND PHYSIOLOGY (BME 2105) Thursday 20th Nevember 2018, 0 AM to 12 NOON

Thursday, 29th November 2018, 9 AM to 12 NOON

TIME: 3 HOURS MAX. MARKS: 50

Instructions to Candidates:

- 1. Answer all questions from PART A and PART B. Use separate answer books for PART A and PART B.
- 2. Draw labeled diagram wherever necessary

PART-A ANATOMY (Max.Marks: 25)

1)	Enumerate all the cranial nerves.	5
2)	(i) Enumerate the parts of the female reproductive system.	2+3
	(ii) Name the parts of the uterus.	
3)	Write a note on the following.	3+2
	(i) Spinal cord (ii) Testis	
45	Describe the external features of the following	2.2
4)	Describe the external features of the following	2+3
	(i) Heart (ii) Right lung.	
5)	List the difference between thin and thick skin	5

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PART-B PHYSIOLOGY (Max. Marks: 25)

1)	Classify WBC (leukocytes) under Leishmans stain and mention the functions of each.	5
2)	Draw neat labelled diagram of monophasic action potential. Mention the ionic causes.	5
3)	Discuss the forms in which Oxygen is transported in human body.	5
4)	(i) Define cardiac output. What is the normal value? Mention determinets of cardiac output.	3+2
	(ii) What are the receptors of hearing (audition)? Draw the neat diagram of the same	
5)	(i) Mention lobes of cerebral cortex. Mention one function of each.	3+2
	(ii) Name two ascending tracts of spinal cord.	

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