Seat No:	Enrollment No:

PARUL UNIVERSITY

FACULTY OF ARTS

M.A. Summer 2018 – 19 Examination

Semester: 4 Subject Code: 15203252 Subject Name: Physiological Psychology II	Date: 12/04/2019 Time:10.30am to 01.00pm 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 Do as directed. A. Multiple choice type questions. (Each of 0.5 mark	(08)
1. After several days of REM sleep deprivation, p	
is	scopie snow resound phonomenon, which
(a) increase in slow wave sleep	(b) increase in REM sleep
(c) decrease in slow wave sleep	•
2. Which of the following is not involved in the no	eural control of arousal?
(a) histamine	(b) serotonin
(c) dopamine	(d) acetylcholine
3. Lesions in the suprachiasmatic nucleus disrup	
(a) REM sleep	(b) slow wave sleep
(c) seasonal rhythms	(d) circadian rhythms
4 consists of medium frequency wave	
(a) alpha activity	(b) beta activity
(c) theta activity	(d) delta activity
5. Motor learning is a component of stimulus-res	_
(a) True	(b) False
6. Magnesium ions enter the cell through channe	
there is glutamate present and the cell membrane	
(a) True	(b) False
7. If left hemisphere is malformed or damaged ea to pass to the right hemisphere. True or false?	irry in me, speech functions are nigmy likely
(a) True	(b) False
8. Agrammatism is a characteristic syptom of	
(a) Broca's aphasia	(b) Anomic aphasia
(c) Transcortical sensory aphasia	(d) Wernicke's aphasia
9. Androgens amplify effects of estradiol on wom	* *
(a) True	(b) False
10. When groups of female rats are housed togeth	
eventually stop. This is called effect.	201, 02-01, 0301, 040, 05, 010, 020, 010, 010, 010, 010, 010, 010
(a) Bruce	(b) Vandenbergh
(c) Whitten	(d) Lee-Boot
11. (i) Satiety signals from adipose tissues are sho	
(ii) signals from adipose tissue may suppress hun	
(a) True; True	(b) True; False
(c) False; True	(d) False; False
12. (i) Liver contains detectors for lipoprivic and	glucoprivc hunger.
(ii) Brain contains detectors for only glucoprivic	hunger. True or false?
(a) True; True	(b) True; False
(c) False; True	(d) False; False
13. Which of the following cannot be used as treat	<u> </u>
	(b) monoamine oxidase inhibitors
	(d) lithium
14. Total sleep deprivation takes several weeks to	
(a) True	(b) False

	fers from major depressive disorder in that it includes a	
(a) True	companying weight gain. True or false? (b) False	
* *		
the expression of positive emotion	he development of depression because of its importance in	
(a) True	(b) False	
B. Terms (Each of 01 mark)	(b) raise	(07)
1. What is fatal familial insomnia?		(07)
2. What is the Hebb rule?		
3. What is anomia?		
4. Which are the two categories of p	heromones?	
5. Name any two of the four major f		
6. What is the monoamine hypothes	<u>.</u>	
7. What is the incheaning hypothes	10.	
Q.2 Answer the following.		
A. Briefly explain the neural control of slow wave sleep.		(04)
B. What are the essential features of physiological regulatory mechanisms?		(04)
C. Write a note on long-term depression in neural activity.		(04)
or white a note on long term depression	OR	(0 -)
C. Discuss psychological and physiological	gical dependence.	(04)
Q.3 Answer the following.		(-)
A. Give a physiological description of	sleep.	(05)
B. What were the findings regarding memory from the study of patients with anterograde amnesia?		(05)
C. Discuss the role of insulin in satiety		(05)
	OR	
C. Write a note on abnormalities in dop	pamine transmission in the brains of schizophrenic patients.	(05)
Q.4		
A. Describe the process of reading.		(06)
B. Discuss the evidence for differential prenatal exposure of androgens causing homosexuality.		(06)
C. Describe disorders of sleep.		(06)
	OR	
C. What are the possible causes of Obs	essive Compulsive Disorder?	(06)