## Jaypee Institute of Information Technology, Noida End Term Examination, 2023 Odd Semester

B. Tech VII Semester

Course Title: Stress: Biology. Behaviour & Management Course Code: 17B1NBT733 Maximum Time: 2 hrs Maximum Marks: 35  $CO_5$ Description CO1 Explain the biological basis of stress CO2 Relate cognitive processes and stress management CO3 Apply acquired knowledge in understanding and adjusting to different people and situations. Improve of quality of life by reducing chronic stress Note: Attempt all questions in order O1. Answer the following in words only (a) The duration of a Circadian cycle is [Understand: 1X5=5M; CO1] (b) The hormone that is secreted to help with sleep is called (c) The sleep-wake cycle is ultimately controlled by the part of the brain called (d) Heart rate and urinations are examples of \_\_\_\_\_\_ rhythm. (e) From which stage of sleep would it be easiest to wake someone up? O2. Illustrate with help of examples from your own life -[Understand: 3X3=9M; CO2] (a) How classical conditioning demonstrate learning by association (b) How our behaviour is impacted by the presence of others? (c) Relatable example of social loafing you have experienced. ()3. Mallika is sharing her office space with Tanya, a young employee who has joined recently. Tanya has the habit of listening to music and constantly talking on phone. Identify with justification, one workplace factor that might be causing [Apply; 2M; CO3] stress to Mallika. O4. Try to figure out which of the following situations would be example of positive reinforcement and which would be [Apply; 2X2=4M; CO3] negative reinforcement. Justify your answer. a) Taking pain reliever to reduce pain (b) A restaurant waiter smiling and being pleasant since it leads to bigger tips Q5. Differentiate between the following with the help of relevant examples (a) Approach-approach & avoidance-avoidance form of conflict (b) Proactive and retroactive interference (c) Short-term and long-term memory [Understand; 8M; CO2] (d) Anterograde and retrograde amnesia 06. In an Article by Mahajan I & Bawdekar M in the year 2019 on "Mental health issues of young females living in Mambai: Case studies", you read 4 case studies of young females living in Mumbai, pursuing professional course and

facing mental health issues. (a) What is the common factor in all 4 cases as discussed in the article?

(b) Suggest ways to improve mental health-related problems like depression, deliberate self-harm and addiction in today's [Analyze; 2+3=5M; CO4] young adults.

Q7. For most of us approaching examination brings anxiety. Time management can reduce this anxiety and improve [Analyze; 2M; CO4] performance and well being. Share some tips on time-management during exams.

## Jaypee Institute of Information Technology, Noida Test-1 Examination, odd 2023 B. Tech, VIIth Sem

		Maximum Time: 1 Hr. Maximum Marks: 20
At the completion of the co	ourse students will be able to	
Explain the profit	101091 harin of -1	
INCIALE COUNTING	Droceppen and .	
CO4 Improve quality of	processes and stress management mowledge in understanding and adjusting to diffe of life by reducing chronic stress	erent people and situations
Note: Attempt all the q	uestions.	
Q1. Choose the correct	hormone from the given list for its role solution;  Serotonin: Tostante.	
Insulin; C	ortisol; Serotonin: Tostavi	stated below –
a) Mainly responsil	ortisol; Serotonin; Testosteron	le; Thyroid bolism and critical for brain development
b) Stimulates devel	of controlling speed of body's metal	holism and arising to the
c) Maintains norma	opment of male sexual characteristics	ochsin and critical for brain development
c) Maintains norma	I blood glucose levels by facilities	
and protein metal	polism	lucose uptake, regulating carbohydrate, lipi
d) Referred to as "st	ress hower n	same of bollydrate, lipi
,	ress hormone" and is needed for the figl	ht or flight
The state of the s	1181	in of flight response
<u>.</u> .		[CO1 (remembering), 2 Marks
2. Answer the following	questions prosing	
a) Give an example of	questions precisely in word(s) only. of external social stressor.	
b) True or Fel	of external social stressor.	
b) True or False – Hi	ding examination results from possess	
behaviour.	round from parents	is an example of problem-focused copyin
c) Give an example of	f major life event that can cause severe	1 Todased copyin
d) General Adams	major me event that can cause severe	trauma
a) I : (2	Syndrome involves 3 stages – Alarm in ptoms that can be a size of the stages.	and the same of th
<ul><li>e) List 2 physical sym</li></ul>	ptoms that can be a sign that	reaction, and
-	ptoms that can be a sign that you are or	verstressed.
	그 하나 어느리는 하는 하는 하는 것이 되었다. 그는 사람들은 사람이 없다.	[CO3 (undowstant) = -
Compara and		[CO3 (understanding), 5 Marks
Compare and contrast b	etween sympathetic and paragram	
or each.	parasympathe	etic nervous system. Give relevant example
		[CO1 (understanding) 4 Mark
5		(understanding) 4 Mark

- [COI (understanding), 4 Marks]
- Q4. Enumerate the different ways of managing stress at the individual level with everyday DIY strategies. List stepwise procedure for one relaxation technique. [CO4 (understanding), 2+2=4 Marks]
- Q5. Rai has been studying for his final exams that are starting in a week's time. He is very tense as images of not securing marks needed to opt for subjects of his choice keep flashing his mind. He is unable to concentrate and blames himself for fooling around with his friends when he should have been preparing for his exams. Now he is engulfed with feelings of inadequacy, helplessness and hopelessness.
  - a) Apply acquired knowledge in the course to identify and justify the problem Rai is suffering from.
  - b) Given what you know about coping strategies, what suggestions would you like to give to Rai to [CO4 (Creating), 3 Marks]