PSG COLLEGE OF ARTS & SCIENCE (AUTONOMOUS)

BSc DEGREE EXAMINATION DECEMBER 2019

(Second Semester)

Branch - PSYCHOLOGY

PHYSIOLOGICAL PSYHOLOGY - II

Three Hours

Maximum: 75 Marks

$\frac{\text{SECTION-A (10 Marks)}}{\text{Answer ALL questions}}$ ALL questions carry EQUAL marks (10 x 1 = 10)			
1	Identify the cells that are respons (i) Rods (iii) Bipolar cells	ible for colour vision. (ii) Cones (iv) Ganglion cells	
2	Indicate the feature of sound wav (i) Amplitude . (iii) Decibel	e that determine pitch perception. (ii) Timbre (iv) Frequency	
3	State the receptor organ for the v (i) Ear drum (iii) Cochlea	estibular sensation. (ii) Middle ear (iv) Semicircular canals	
4	Name the chemical secretion in a the same species. (i) Hormone (iii) Neurotransmitter	nimals that is used to attract the animals of (ii) Pheromone (iv) Enzyme	
5	Mention the main function of the (i) Conduction (iii) Transportation	muscles. (ii) Contraction (iv) Secretion	
6	Which part of the brain is respons (i) Cerebellum (iii) Thalamus	sible for motor balance and coordination. (ii) Cerebrum (iv) Hypothalamus	
7	Choose the best example for the o (i) Migration of birds (iii) Menstrual cycle	circadian rhythm. (ii) Sleep wake cycle (iv) Breathing	
8	State the brain part that regulate t (i) Thalamus (iii) Medulla	he hunger motive. (ii) Hypothalamus (iv) Basal ganglia	
9	Mention the nature of the testoste (i) Estrogen (iii) Androgen	rone hormone. (ii) Estradiol (iv) Progesterone	
	Which endogrine gland secrete the hormone ACTH?(i) Adrenal cortex(ii) Adrenal medulla		

(iii) Posterior pituitary (iv) Anterior pituitary

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Cont...

	<u>SECTION - B (35 Marks)</u>		
	Answer ALL QuestionsALL Questions Carry EQUAL Marks $(5 \times 7 = 35)$		
11	a Analyze the trichromatic theory of colour vision. OR		
	b Describe the types of hearing loss.		
12	a Explain the somatosensory receptors. OR		
	b Describe the taste receptors.		
13	a Summarize the types of muscles. OR		
	b Explain the voluntary and involuntary movements.		
14	a Explain the role of suprachiasmatic nucleus(SCN). OR		
	b Analyze the brain mechanism that regulate body temperature.		
15	a Narrate the sex differences in the hypothalamus. OR		
	b Explain the role of amygdala in fear and anxiety.		
SECTION - C (30 Marks)Answer any THREE QuestionsALL Questions Carry EQUAL Marks $(3 \times 10 = 30)$			
16	Discuss the structure of the ear with diagram.		
17	Examine the ways of relieving pain.		
18	Enumerate the symptoms, causes and treatment for Parkinson's disease.		
19	Analyze the functions of sleep.		
20	Highlight the role of hippocampus in memory .		