

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

BSc DEGREE EXAMINATION MAY 2019
(Second Semester)

Branch - PSYCHOLOGY

PHYSIOLOGICAL PSYCHOLOGY - II

Time: Three Hours

Maximum: 75 Marks

SECTION-A (10 Marks!)

Answer ALL questions

ALL questions carry' EQUAL marks (1 0 x 1 = 10)

- 1 Vestibular sense is detected by
(i) outer ear (ii) middle ear
(iii) inner ear (iv) ear drum
- 2 The lobe of the brain which is specialized for vision is
(i) temporal lobe (ii) occipital lobe
(iii) frontal lobe (iv) parietal lobe
- 3 What is the function of Cerebrospinal Fluid (CSF)?
(i) Transport neurotransmitters (ii) Shock absorption
(iii) Transport hormones (iv) Assist active transport
- 4 Gate control theory was given by
(i) Ronal Melzack (ii) H.V.Helmholtz
(iii) Ruther Ford (iv) William Jamess
- 5 Conscious perception of movement is mediated by
(i) Messner's corpuscles (ii) Free nerve ending
(iii) Merkel's response (iv) Pacinian corpuscles
- 6 Kinesthetic receptors are presented in
(i) Joints (ii) Bones
(iii) Muscles (iv) Eyes
- 7 The center for basic life support, breathing, heart beat and sleeping is
(i) Pons (ii) The brain stem
(iii) Neuron (iv) Axon
- 8 Two region of the hypothalamus are involved in hunger drive one is the lateral hypothalamus and the other is presented in _____.
(i) Olfactory Bulb (ii) Ventro - medial era
(iii) Cortex (iv) Frontal area
- 9 The gland that controls such diverse activities as the level of sugar in blood and the secretion of the sex hormones androgen is called
(i) Thyroid (ii) Gonads
(iii) Adrenal Cortex (iv) Adrenal medulla
- 10 The following plays an important role in long term storage of information
(i) liypothalamus (ii) Thalamus
(iii) Hippocampus , (iv) Amygdala

Cont...

SECTION - B (35 Marks)

Answer **ALL** Questions

ALL Questions Carry **EQUAL** Marks (5 x 7 = 35)

- 11 a State the general principles of perception.
OR
b Sketch structure of ear.
- 12 a Explain pain stimuli and paths.
OR
b How to relieve pain?
- 13 a Compare the fast and slow muscles.
OR
b Narrate about the Units of Movements.*
- 14 a Describe about the endogenous cycles.
OR
b Bring out the temperature regulation and hunger.
- 15 a Organise the effects of sex hormones.
OR
b Show the role of stress and health on human.

SECTION - C (30 Marks)

Answer any **THREE** Questions

ALL Questions Carry **EQUAL** Marks (3 x 10 = 30)

- 16 Highlight the various theories of color vision.
- 17 Elucidate chemical sense.
- 18 Outline brain mechanisms of movement.
- 19 Point out mechanisms of the biological clocks.
- 20 Identify the role of brain and memory.

Z-Z-Z

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