### TRUE/FALSE. Write 'T' if the statement is true and 'F' if the statement is false.

| parasympathetic nervous system occurs via  | the sympathetic nervous system and the |
|--|--|
| Answer: True False   |  |
| MULTIPLE CHOICE. Choose the one alternative that best completes t  | he statement or answers the question.  |
| 2) The nervous system as a whole consists of the   | and the .                              |
| A) sympathetic nervous system; parasympathetic nerv  |  |
| B) sensory nervous system; motor nervous system  |  |
| C) somatic nervous system; autonomic nervous system  | n                                      |
| D) brain; spinal cord  |  |
| E) central nervous system; peripheral nervous system   |  |
| Answer: E  |  |
| 3) The peripheral nervous system consists of the   | and the .                              |
| A) central nervous system; parasympathetic nervous s   |  |
| B) somatic nervous system; autonomic nervous system  | n                                      |
| C) central nervous system; somatic nervous system  |  |
| D) central nervous system; sympathetic nervous system  | m                                      |
| E) brain; spinal cord  |  |
| Answer: B  |  |
| 4) The nervous system connects the central nerv  | ous system with all internal organs.   |
| A) peripheral  |  |
| B) sympathetic   |  |
| C) autonomic   |  |
| D) somatic   |  |
| E) parasympathetic   |  |
| Answer: C  |  |
| 5) The nervous system mobilizes the body in res  | sponse to stress; the nervous          |
| system controls the activities of the visceral organs unde   |  |
| A) parasympathetic; sympathetic  |  |
| B) sympathetic; peripheral   |  |
| C) sympathetic; parasympathetic  |  |
| Test Bank for Health Psychology Canadian 4th Edition by Taylor IBSN 1259362159<br>Full Download: http://ddb/h&&HHALfs-gattouchulgank-for-health-psychology-canadian-4th-ed | ition-by-taylor-ibsn-1259362159/       |
| Answer: C  |  |
| TRUE/FALSE. Write 'T' if the statement is true and 'F' if the statement  | is false.                              |
| 6) The structures of the limbic system play an important ro  | ble in stress and emotional responses. |
| Answer: True False   |  |

# MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

| 7) Damage to the cerebellum is associated with impaired  |
|--|
| A) speech production.  |
| B) respiration.  |
| C) muscular coordination.  |
| D) visual acuity.  |
| E) speech recognition.   |
| Answer: C  |
| 8) The is an important transition centre between the thoughts generated in the cerebral  |
| cortex of the brain and their impact on internal organs.   |
| A) medulla   |
| B) hindbrain   |
| C) forebrain   |
| D) hypothalamus  |
| E) primary somatic sensory cortex  |
| Answer: D  |
| 9) Catecholamines are  |
| A) specific genes.   |
| B) found only in the central nervous system.   |
| C) neurotransmitters.  |
| D) secretions of the limbic system.  |
| E) neural receptors.   |
| Answer: C  |
| 10) Secretion of catecholamines  |
| A) regulates sodium retention.   |
| B) increases heart rate and blood pressure.  |
| C) stimulates digestion.   |
| D) increases protein and fat mobilization.   |
| E) dilates blood vessels.  |
| Answer: B  |
| 11) Mark has been preparing for his graduate school entrance exam for several weeks and is very nervous about how he will perform. In addition to this stress, his girlfriend Jasmine is getting |
| concerned that Mark has not been able to perform in the bedroom lately either. Mark's sexual   |
| difficulties due to stress are likely due to the involvement of his in the stress respons  |
| A) hypothalamus  |
| B) parietal lobe   |
| C) adrenal medulla   |
| D) pituitary gland   |
| E) limbic system   |
| Answer: A  |

| 12) John does not have smooth tremors. John's condition is A) multiple sclerosis B) epilepsy C) Parkinson's disease D) cerebral palsy E) Alzheimer's disease Answer: C | motor coordination. His rigid, slow movements are accompanied with known as  |
|--|--|
| year 2050.  A) Alzheimer's disease B) Huntington's disease C) heart disease D) arthritis E) AIDS Answer: A   | _ is expected to rise to affect over 100 million people worldwide by the   |
| 14) is a chronic, nonpulse control.  A) Parkinson's disease  B) Multiple Sclerosis  C) Cerebral palsy  D) Epilepsy  E) Myasthenia gravis  Answer: C                    | progressive disorder of the nervous system that is marked by lack of   |
| 15) Blood supply to Marsha's broof her muscles. Marsha has A) epilepsy B) cerebral palsy C) multiple sclerosis D) Parkinson's disease E) myasthenia gravis Answer: B   | rain was interrupted during her birth because of which she lacks control   |
|  | been identified. This allows for at-risk individuals to be tested to carriers of this hereditary disorder characterized by chronic physical and damaged brain cells. |

## TRUE/FALSE. Write 'T' if the statement is true and 'F' if the statement is false.

| 17) The endocrine system is responsible for fast-acting, short-duration responses to char<br>Answer: True • False | nges in the body. |
|---|-------------------|
| Allswei. True Taise   |                   |
| MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the qu                   | iestion.          |
| 18) The nervous system is chiefly responsible for responses to changes in the                                     | body; whereas     |
| the endocrine system governs mainly responses.  |                   |
| A) slow-acting, short-duration; fast-acting, long-duration  |                   |
| B) fast-acting, short-duration; slow-acting, long-duration  |                   |
| C) slow-acting, long-duration; fast-acting, short-duration  |                   |
| D) complementary; antagonistic  |                   |
| E) fast-acting, long-duration; slow-acting, short-duration  |                   |
| Answer: B   |                   |
| 19) The release of steroids via the adrenal cortex is stimulated by   |                   |
| A) vasopressin.   |                   |
| B) epinephrine and norepinephrine.  |                   |
| C) glucocorticoids.   |                   |
| D) adrenocorticotropic hormone (ACTH).  |                   |
| E) thyrotropic hormone (TSH).   |                   |
| Answer: D   |                   |
| 20) Type I diabetes   |                   |
| A) typically occurs after age 40.   |                   |
| B) is primarily managed through dietary and exercise regimens.  |                   |
| C) is a condition that occurs when the body fails to produce enough insulin.                                      |                   |
| D) disproportionately affects white males.  |                   |
| E) is a condition that occurs when the body is not sufficiently responsive to insulin                             | n.                |
| Answer: C   |                   |
| 21) Conditions associated with diabetes include   |                   |
| A) loss of hair.  |                   |
| B) colour blindness.  |                   |
| C) deafness.  |                   |
| D) skeletal system damage.  |                   |
| E) coronary heart disease.  |                   |
| Answer: E   |                   |
| 22) The carry blood from the heart to oxygenate other organs and tissues.   |                   |
| A) atria B) ventricles C) veins D) capillaries  | E) arteries       |
| Answer: E   |                   |

| 23) During, blood is pumped out of the heart, and blood pressure During  |
|--|
| , blood is taken into the heart, and blood pressure  |
| A) systole; increases; diastole; decreases   |
| B) systole; decreases; diastole; increases   |
| C) diastole; increases; systole; decreases   |
| D) diastole; decreases; systole; decreases   |
| E) diastole; decreases; systole; increases   |
| Answer: A  |
| TRUE/FALSE. Write 'T' if the statement is true and 'F' if the statement is false.  |
| 24) Angina pectoris is most likely to occur when a clot has developed in a coronary vessel and blocks the flow of blood to the heart.  |
| Answer: True 💿 False   |
| 25) Arteriosclerosis results when elasticity of arteries decreases making them rigid and hard.  Answer: • True False   |
| MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.   |
| <ul> <li> is chest pain which occurs because the muscle tissue of the heart must continue its activity without a sufficient supply of oxygen or adequate removal of carbon dioxide and other waste products. <ul> <li>A) Phlebitis</li> <li>B) Myocardial infarction</li> <li>C) Arteriosclerosis</li> <li>D) Aneurysm</li> <li>E) Angina pectoris</li> </ul> </li> <li>Answer: E</li> </ul> |
| 27) Atherosclerosis is   |
| A) a type of blood disorder.   |
| B) a hereditary disease rather than a disease of lifestyle.  |
| C) characterized by a hardening and reduced elasticity of the arterial walls.  |
| D) a nervous system disorder.  |
| E) associated with angina pectoris and myocardial infarction.  |
| Answer: E  |
| 28) Hypertension is caused by  |
| A) high cardiac output.  |
| B) meditation.   |
| C) consuming a diet rich in protein.   |
| D) exercising too much.  |
| E) being underweight.  |
| Answer: A  |

| 29) | Approximately   | % of Canad   | lians aged 12 and ov   | er have hypertension.  |                                      |
|-----|---|--|--|--|--------------------------------------|
|     | A) 18   | B) 14  | C) 26  | D) 22  | E) 10                                |
|     | Answer: A   |  |  |  |                                      |
|     | Approximately 55% A) red blood cells. B) white blood cell C) plasma. D) platelets. E) hemoglobin. Answer: C                   |  | e is composed of   |  |                                      |
|     | Some individuals are a clotting disorder can A) hemophilia.  B) anemia. C) erythrocytosis. D) leukopenia. E) arteriosclerosis | alled  | ice thromboplastin a   | nd fibrin. This condit   | ion is associated with               |
|     | <ul><li>A) producing antib</li><li>B) producing mon</li><li>C) carrying oxygen</li><li>D) secreting platel</li></ul>          | podies that destro<br>oblasts that incre<br>in and carbon diox<br>ets that engulf fo | -  | the antigen-antibody<br>emoglobin in the bloo<br>body.<br>ey may be excreted.              |                                      |
|     | Amy contracted infl<br>This is an example of<br>A) chemical<br>Answer: C  |  | ol where many childr<br>smission.<br>C) indirect                     | ren in her class have a  | also had the disease.  E) mechanical |
| 34) | The course of infect  A) incubation peri  B) incubation peri  C) incubation peri  D) period of nonsp                          | od, period of non<br>od, period of non<br>od, acute phase, p<br>pecific symptoms     | specific symptoms, a<br>period of decline.<br>, incubation period, a | s period of decline, receacute phase, period of acute phase, period of symptoms, period of | f decline.                           |

| 35) A localized infection          |                    |                                 |                        |                    |
|------------------------------------|--------------------|---------------------------------|------------------------|--------------------|
| ,                                  | oarticular area a  | nd sends toxins to other        | parts of the body.     |                    |
| B) is confined to a p              |                    |                                 | •                      |                    |
| C) is confined to a j              | particular site at | first and then starts sprea     | ading to other parts o | of the body within |
| 48 hours.                          |                    |                                 |                        |                    |
| D) affects several d               | ifferent areas.    |                                 |                        |                    |
| E) occurs when the                 | body's resistanc   | e is lowered from fighting      | ng a primary infection | 1.                 |
| Answer: B                          |                    |                                 |                        |                    |
| TRUE/FALSE. Write 'T' if the state | tement is true and | d 'F' if the statement is false | <b>2.</b>              |                    |
| 36) Antigens are proteins          | produced in res    | ponse to stimulation by a       | antibodies.            |                    |
| Answer: True 🧧                     | False              |                                 |                        |                    |
| MULTIPLE CHOICE. Choose the        | one alternative t  | hat best completes the stat     | ement or answers the c | question.          |
| 37) Nonspecific immunit            | y may be mediat    | ted by                          |                        |                    |
| A) antimicrobial su                | bstances.          | •                               |                        |                    |
| B) consuming a hea                 | ılthy diet.        |                                 |                        |                    |
| C) having vitamins                 | regularly.         |                                 |                        |                    |
| D) vaccinations.                   |                    |                                 |                        |                    |
| E) inoculations.                   |                    |                                 |                        |                    |
| Answer: A                          |                    |                                 |                        |                    |
| 38) Jamie had an outbrea           | k of measles. Ηε   | er body has now built           | immunity for           | measles.           |
| A) artificial                      | B) natural         | C) acquired                     | D) nonspecific         | E) specific        |
| Answer: B                          |                    | -                               | -                      | -                  |
| 39) Humoral immunity is            | mediated by        |                                 |                        |                    |
| A) phagocytosis.                   | J                  |                                 |                        |                    |
| B) T cells.                        |                    |                                 |                        |                    |
| C) B cells and helpe               | er and suppresso   | or T cells.                     |                        |                    |
| D) B cells.                        |                    |                                 |                        |                    |
| E) helper and suppr                | essor T cells.     |                                 |                        |                    |
| Answer: D                          |                    |                                 |                        |                    |
| 40) Cell-mediated immur            | nity is mediated   | by                              |                        |                    |

C) TC and TH cells. D) interferon.

B) B cells and helper and suppressor T cells.

E) B cells.

A) NK cells.

Answer: C

### 41) The spleen

- A) produces plasma cells.
- B) produces neurotransmitters and corticosteroids.
- C) secretes insulin and bile into the bloodstream.
- D) aids in the production of B and T cells and filters the blood.
- E) produces red blood cells.

Answer: D

#### TRUE/FALSE. Write 'T' if the statement is true and 'F' if the statement is false.

42) Compared to women, men are at greater risk of contracting autoimmune disease.

Answer: True False

## MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

- 43) Infectious disorders
  - A) that are kept in control through hygiene may have paradoxically increased the rates of these disorders.
  - B) are genetic.
  - C) are not linked to the development of any chronic diseases.
  - D) are acute problems that end when their course has run.
  - E) attack only lymphatic tissue.

Answer: A

#### 44) Infectious disorders

- A) are genetic.
- B) do not strike in developed nations.
- C) may be a result of advanced sanitation and refrigeration.
- D) can be treated effectively with overdoses of antibiotics.
- E) do not cause chronic diseases.

Answer: C

### 45) Autoimmunity

- A) involves the progressive, chronic enlargement of lymphatic tissue.
- B) is a condition in which a specific humoral or cell-mediated immune response attacks the body's own tissue.
- C) is a condition seen only in women.
- D) is acquired through measures such as vaccination.
- E) is a viral disorder marked by an unusually large number of monocytes.

Answer: B

| 46) Autoimmunity may be implicated in   |
|---|
| A) arthritis.   |
| B) jaundice.  |
| C) typhoid.   |
| D) hypertension.  |
| E) diabetes.  |
| Answer: A   |
| 47) Systemic lupus erythematosus is   |
| A) a genetic disorder   |
| B) an autoimmune disorder   |
| C) a birth-related disorder   |
| D) an infectious disorder   |
| E) an age-related disorder  |
| Answer: B   |
| 48) Inflammation is also implicated in  |
| A) renal failure.   |
| B) strokes.   |
| C) leukemia.  |
| D) asthma.  |
| E) hemophilia.  |
| Answer: D   |
| 49) The adrenal cortex produces in response to stress.  |
| A) glucocorticoids  |
| B) epinephrine and norepinephrine   |
| C) oxytocin   |
| D) endogenous opioids   |
| E) ACTH   |
| Answer: A   |
| 50) The activation of the hypothalamic-pituitary-adrenocortical (HPA) axis most closely resembles the |
| model of stress.  |
| A) fight or flight  |
| B) primary appraisal  |
| C) sympathetic arousal  |
| D) tend and befriend  |
| E) general adaptation syndrome  |
| Answer: E   |

#### ESSAY. Write your answer in the space provided or on a separate sheet of paper.

51) Describe the functioning of the autonomic nervous system. Include in your answer the roles of the sympathetic and parasympathetic nervous system in response to stress.

Answer: Answers may vary.

52) Describe the structure and function of the cardiovascular system. Include in your answer the internal and external factors influencing heart rate and their impact on heart functioning.

Answer: Answers may vary.

53) Compare and contrast nonspecific and specific immune mechanisms. Provide at least two examples of each.

Answer: Answers may vary.

54) Explain how the sympathetic-adrenomedullary (SAM) and hypothalamic-pituitary-adrenocortical (HPA) axis are implicated in the physiological response to stress. Support your answer with a diagram.

Answer: Answers may vary.

## Answer Key

## Testname: UNTITLED43

- 1) TRUE
- 2) E
- 3) B
- 4) C
- 5) C
- 6) TRUE
- 7) C
- 8) D
- 9) C
- 10) B
- 11) A
- 12) C
- 13) A
- 14) C
- 15) B
- 16) D
- 17) FALSE
- 18) B
- 19) D
- 20) C
- 21) E
- 22) E
- 23) A
- 24) FALSE
- 25) TRUE
- 26) E
- 27) E
- 28) A
- 29) A
- 30) C
- 31) A
- 32) A
- 33) C
- 34) B
- 35) B
- 36) FALSE
- 37) A
- 38) B
- 39) D
- 40) C
- 41) D
- 42) FALSE
- 43) A
- 44) C
- 45) B
- 46) A 47) B
- 48) D
- 49) A
- 50) E

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- 54) Answers may vary.
- 53) Answers may vary.
- 52) Answers may vary.
- 51) Answers may vary.

Testname: UNTITLED43

Answer Key