

NAT Grade 10 Reviewer

SCIENCE

Part 3

- C1. What gland is being stimulated during exercise?
A. adrenal C. pituitary
B. parathyroid D. thyroid
- C ____ 2. Which of the following glands secrete a hormone that enables the body to produce T cells?
A. adrenal C. thymus
B. parathyroid D. thyroid
- B ____ 3. The organ that makes estrogen and progesterone is the _____.
A. hypothalamus C. pineal gland
B. ovary D. vagina
- B ____ 4. Which of the following glands produce hormones that controls the calcium levels the body?
A. adrenal C. pituitary
B. parathyroid D. thymus
- _A ____ 5. Which of the following glands produce hormones that controls the heart rate and breathing in times of emergency?
A. adrenal C. pituitary
B. pancreas D. thyroid
- _C ____ 6. The hormones secreted by pancreas are insulin and _____.
A. adrenaline C. glucagon
B. estrogen D. melatonin
- _A ____ 7. When you are running to stay away from danger, what gland is being stimulated?
A. adrenal C. pituitary
B. pineal D. thyroid
- C ____ 8. It refers to the body's 'master gland' because it controls the activity of most other hormone-secreting glands.
A. adrenal C. pituitary
B. parathyroid D. thyroid
- _B ____ 9. Which of the following is NOT TRUE about the function of the endocrine system?
A. controls sexual reproduction
B. collect sensory input from the body
C. maintain homeostasis
D. regulate growth
- _B ____ 10. What gland is involved if a person's blood sugar level becomes unstable?
A. adrenal C. parathyroid
B. pancreas D. ovary
- _B ____ 11. The nervous system uses electrical impulses to send messages through neurons while _____ uses hormones to send messages to the target cells through the bloodstream.
A. circulatory system C. nervous system
B. endocrine system D. reproductive system
- _C ____ 12. What is the purpose of the thyroid gland?
A. It releases insulin and glucagon to regulate sugar level.
B. It releases thyroxin and insulin to stimulate growth.
C. It releases thyroxin and calcitonin.

- D. It releases adrenaline to prepare the body for action.
- D ____ 13. What is osteoporosis?
- A. It is a condition characterized by imbalanced blood sugar.
 - B. A disorder characterized by apparent lack of aging.
 - C. A disorder characterized by impaired growth.
 - D. A disorder in which bones become fragile and breakable.
- __B__ 14. What do you call a rare condition that causes abnormal growth in children due to the decrease in the production and secretion of growth hormones?
- A. diabetes
 - C. gigantism
 - B. dwarfism
 - D. goiter
- __C__ 15. Which of the following shows a correct pairing of dysfunction and the involved endocrine gland?
- A. diabetes: ovaries
 - C. goiter: thyroid
 - B. dwarfism: adrenal
 - D. osteoporosis: pancreas
- __A__ 16. The ability to reproduce begins at ____.
- A. adolescence
 - C. childhood
 - B. adulthood
 - D. infancy
- __C__ 17. Menstruation is a sign that a girl is ____.
- A. already menopausal.
 - C. capable of producing offspring.
 - B. already pregnant.
 - D. not capable of reproduction.
- C ____ 18. Menstruation is the discharge of blood from the ____.
- A. fallopian tube
 - C. uterine wall
 - B. ovary
 - D. vagina
- __D__ 19. An egg maybe released from the ovary through a process called ____.
- A. Dilation
 - C. Gestation
 - B. Fertilization
 - D. Ovulation
- __B__ 20. What is considered as the ovulation day for regular menstrual cycle?
- A. 1st day
 - C. 20th day
 - B. 14th day
 - D. 28th day
- __B__ 21. Which of the following produces ova and secretes estrogen and progesterone?
- A. hypothalamus
 - C. pituitary
 - A. B. ovary
 - D. uterus
- ____ 22. Hormones affect various processes in the body as they regulate the activities of organs, tissues, and cells. Which of the following statements is true about female hormones? They ____.
- A. act in very small amounts but estrogen must be dominant.
 - B. are sometimes released by organs.
 - C. cause pain and pelvic cramps.
 - D. trigger headaches.
- __D__ 23. Which hormone thickens uterine lining (endometrium) in preparation for implantation, and inhibits FSH and LH?
- A. estrogen
 - C. LH
 - B. FSH
 - D. progesterone
- __A__ 24. Which hormone helps control the menstrual cycle and stimulates the growth of eggs in the ovaries?
- A. follicle-stimulating hormone
 - C. progesterone
 - B. luteinizing hormone
 - D. testosterone
- __B__ 25. In the female human reproductive system, fertilization normally occurs in the ____.
- A. cervix
 - C. uterus
 - B. fallopian tube
 - D. vagina
- __B__ 26. What are the main parts of the nervous system?
- A. arteries, veins, and capillaries

B. brain, spinal cord, and nerves

C. hands, feet, and tongue

D. nose, toes, and tongues

___A___ 27. Which part of the brain helps keep your balance so you don't just fall or stumble while walking?

A. cerebellum

C. pituitary gland

B. medulla oblongata

D. spinal cord

___B___ 28. Which of the following is TRUE about central nervous system?

A. It can be classified as somatic and autonomic nervous system.

B. It is composed of the brain and spinal cord.

C. It is composed of the brain, spinal cord, and hormones.

D. It is composed of cranial and spinal nerves.

___A___ 29. You felt hungry because you haven't eaten your food for lunch trying to finish home works. Which of the following is the best response to the given stimulus?

A. Continue work.

C. Ignore the situation.

B. Eat.

D. Shout out loud.

___B___ 30. Instructions from the brain to the target organs is carried by _____.

A. receptors

C. sense organs

B. nerves

D. hormones