

NEET CHEMICAL COORDINATION AND INTEGRATION — PINEAL AND THYROID GLAND — PYQS

Max. Marks: 28

Questions: 7

Section A (MCQ) — 7 questions

Q.1 Which of the following are NOT under the control of thyroid hormone?

- A. Maintenance of water and electrolyte balance
- B. Regulation of basal metabolic rate
- C. Normal rhythm of sleep-wake cycle
- D. Development of immune system
- E. Support the process of RBCs formation

Choose the correct answer from the options given below:

[NEET (UG) 2023]

- (1) B and C only (2) C and D only
- (3) D and E only (4) A and D only

Scan or tap for the full solution



Q.2 Graves' disease is caused due to

[NEET 2016 (Phase 2)]

- (1) hyposecretion of thyroid gland
- (2) hypersecretion of thyroid gland
- (3) hyposecretion of adrenal gland
- (4) hypersecretion of adrenal gland.

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Q.3 Identify the hormone with its correct matching of source and function.

[AIPMT 2014]

- (1) Oxytocin – posterior pituitary, growth and maintenance of mammary glands.
- (2) Melatonin – pineal gland, regulates the normal rhythm of sleep-wake cycle.
- (3) Progesterone – corpus luteum, stimulation of growth and activities of female secondary sex organs.
- (4) Atrial natriuretic factor – ventricular wall, increases the blood pressure.

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Q.4 A pregnant female delivers a baby who suffers from stunted growth, mental retardation, low intelligence quotient and abnormal skin. This is the result of

[NEET 2013]

- (1) cancer of the thyroid gland
- (2) oversecretion of pars distalis
- (3) deficiency of iodine in diet
- (4) low secretion of growth hormone.

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Q.5 The 24 hour (diurnal) rhythm of our body such as the sleep-wake cycle is regulated by the hormone

[AIPMT 2011 (Mains)]

- (1) calcitonin (2) prolactin
- (3) adrenaline (4) melatonin

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Q.6 Toxic agents present in food which interfere with thyroxine synthesis lead to the development of

[AIPMT 2010 (Prelims)]

- (1) toxic goitre (2) cretinism
- (3) simple goitre (4) thyrotoxicosis

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Q.7 Melatonin is secreted by

[AIPMT 2000]

- (1) pineal body (2) skin
- (3) pituitary gland (4) thyroid

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ANSWER KEY

Ques.	1	2	3	4	5	6	7				
Ans.	2	2	2	3	4	3	1				