



BIOLOGY

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BIOLOGY (HINGLISH)

**NCERT Exemplar Questions +1 (CHEMICAL
COORDINATION AND INTERGRATION)**

Mcqs

1. Select the right match of endocrine gland and their hormones among the options given be- low

| | | | |
|---|-----------------|-----|--------------------|
| A | Pineal | i | Epinephrine |
| B | Throid | ii | Melatonin |
| C | Ovary | iii | Estrogen |
| D | Adrenal medulla | iv | Tetraiodothyronine |

A. A-iv, B-ii, C-iii, D-i

B. A-ii, B-iv, C-i, D-iii

C. A-iv, B-ii, C-i, D-iii

D. A-ii, B-iv, C-iii, D-i

Answer: d



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2. Listed below are the hormones of anterior pituitary origin. Tick the wrong entry.

A. Growth hormone

B. Follicle stimulating hormone

C. Oxytocin

D. Adrenocorticotrophic hormone

Answer: c



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3. Mary is about to face an interview. But during the first five minutes before the interview she experiences sweating, increased rate of heart beat, respiration etc. Which hormone is responsible for her restlessness

- A. Estrogen and progesterone
- B. Oxytocin and vasopressin
- C. Adrenaline and noradrenaline
- D. Insulin and glucagon

Answer: c



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4. The steroid responsible for balance of water and electrolytes in our body is

A. Insulin

B. Melatonin

C. Testosterone

D. Aldosterone

Answer: d



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5. Thymosin is responsible for

- A. raising the blood sugar level
- B. raising the blood calcium level
- C. increased production of T lymphocytes
- D. decrease in blood ABC

Answer: C



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6. In the mechanism of action of a protein hormone, one of the second messengers is

A. Cyclic AMP

B. Insulin

C. T_3

D. Gastrin

Answer: a



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7. Leydig cells produce a group of hormones called

A. androgens

B. estrogens

C. aldosterone

D. gonadotrophins

Answer: a



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8. Corpus luteum secretes a hormone called

A. prolactin

B. progesterone

C. aldosterone

D. testosterone

Answer: b



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9. Cortisol is secreted from

A. Pancreas

B. Thyroid

C. Adrenal

D. Thymus

Answer: c



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10. A hormone responsible for normal sleep- wake cycle is

A. epinephrine

B. gastrin

C. melatonin

D. insulin

Answer: c



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11. Hormones are called chemical signals that stimulate specific target tissues. Their specificity is due to the presence of signal receiving 'receptors' only in the respective target tissues. Where are these receptors present in case of hormones of protein nature

- A. Extra cellular matrix
- B. Blood
- C. Plasma membrane
- D. Nucleus

Answer: c



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12. Blood calcium level is a resultant of how much dietary calcium is absorbed, how much calcium is lost in the urine, how much bone dissolves releasing calcium into the blood and how much calcium from blood enters tissues. A number of factors play an important role in these processes.

Mark the one which has no role

- A. Vitamin D
- B. Parathyroid hormone
- C. Thyrocalcitonin

D. Thymosin

Answer: d



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13. All the following tissues in mammals except one consists of a central 'medullary' region surrounded by a cortical region. Mark the wrong entry

A. Ovary

B. Adrenal

C. Liver

D. Kidney

Answer: a



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14. One of the following conditions is not linked to deficiency of thyroid hormones

A. Cretinism

B. Goitre

C. Myxoedema

D. Exophthalmos

Answer: d



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