Bio Tuition Wala

Chapter: Chemical Coordination & Integration: Biology
Total Marks: 80 marks

Neet test series

Section A

 Write the answer of the following questions. [Each carries 1 Mark

[20]

Date:.....

Time:.....

1. Select the right match of endocrine gland and their hormones among the options given below :

Column-I	Column-II		
(A) Pineal	(1) Epinephrine		
(B) Thyroid	(2) Melatonin		
(C) Ovary	(3) Estrogen		
(D) Adrenal medulla	(4) Tetraiodothyronine		

- (A) (A 4), (B 2), (C 1), (D 3)
- (B) (A 2), (B 4), (C 1), (D 3)
- (C) (A 3), (B 2), (C 1), (D 4)

- (D) (A-2), (B-4), (C-3), (D-1)
- 2. Which of the following hormones is not secreted by anterior pituitary?
 - (A) Growth hormone

(B) Follicle stimulating hormone

(C) Oxytocin

- (D) Adrenocorticotrophic hormone
- 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
- 4. The steroid responsible for balance of water and electrolytes in our body is
 - (A) Insulin
- (B) Melatonin
- (C) Testosterone
- (D) Aldosterone

- 5. Thymosin is responsible for
 - (A) Raising the blood sugar level.
- (B) Raising the blood calcium level.
- (C) Differentiation of T-lymphocytes.
- (D) Decrease in blood RBC.

6. Match the following columns.

Column - I	Column - II		
(a) Epinephrine	(1) Increase in muscle growth.		
(b) Testosterone	(2) Decrease in blood pressure.		
(c) Glucagon	(3) Breakdown in liver glycogen.		
(d) Atrial natriuretic factor	(4) Increase heart beat.		

(A) (a-2), (b-1), (c-3), (d-4)

(B) (a - 4), (b - 1), (c - 3), (d - 2)

(C) (a-1), (b-2), (c-3), (d-4)

- (D) (a 1), (b 4), (c 2), (d 3)
- 7. Hormones are called chemical signals that stimulate specific target tissues. Which is the correct location of these receptors in of protein hormones?
 - (A) Extra cellular matrix (B) Blood
- (C) Plasma membrane
- (D) Nucleus
- 8. A hormone responsible for normal sleep-wake cycle is
 - (A) Epinephrine
- (B) Gastrin
- (C) Melatonin
- (D) Insulin
- 9. Which of the following do not play any role in calcium balance in the human body?
 - (A) Vitamin D

(B) Parathyroid hormone

(C) Thyrocalcitonin

(D) Thymosin

10.	Which gland inactivates (A) Adrenal	•	(C) Thymus	(D) Dituitory			
11		(B) Pineal	(C) Thymus	(D) Pituitary			
11.	(A) Na	n as secondary messenger (B) C - AMP	r. (C) C - GMP	(D) Calcium			
12.	Which hormone regulates 24 hour cycle and controls sleep and wakefulness?						
	(A) Adrenalin	(B) Melatonin	(C) Calcitonin	(D) Prolactin			
13.	Which pair is correct ? (A) Thyroxine – Tetanus (C) Adrenaline – Tetany		(B) Insulin – Diabetes incipedus(D) Parathormone – Tetany				
14.	Which endocrine gland (A) Adrenal	stores its secretions in in (B) Pancreas	tercellular space before (C) Testis	releasing into blood? (D) Thyroid			
15.	Which organ is stimula (A) Lungs	ted by secreten ? (B) Liver	(C) Pancreas	(D) Gastric glands			
16.	9	nypothalamus is connected					
17.	In female after ovulation (A) Somatotropic horm (C) Melanocyte stimula	one	onsible for formation of corpusleuteum (B) Luteinizing hormone (D) Follicle stimulating hormone				
18.	Identify the structure 'x (A) Nuclear receptor (B) Intracellular receptor (C) Hormone-receptor (D) Gap junction	or	Hormone (e.g. FSH) X me Response				
19.	(a) Insulin(b) Thyroxin(c) Corticoids(d) Growth Hormone	(i) Addison's disease (ii) Diabetes insipidus (iii) Acromegaly (iv) Goitre (v) Dibetes mellitus	ve disease :				
	Select the correct option.						
	(a) (b) (c) (d) (A) (ii) (iv) (i) (iii)						
	(B) (v) (i) (ii) (iii)	(v) (i) (ii) (iii)					
	(C) (ii) (iv) (iii) (i)						
20.	R : Calcitonin decrease (A) A and R both are c		PTH increases blood Ca				

Wish You - All The Best(Studentivision.com)