

Ans.	3	4	3	1	3	1									
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## ANSWER KEY

## EXERCISE - 4

### PANCREASE, KIDNEY, SKIN, GANADS, PHEROMONES

### EXERCISE - 5

- Glucagon is secreted by :-  
 (1) Leydig cells (2) Islets of langerhans  
 (3) Corpus luteum (4) Glisson's capsule
- A hormone with seat of activity in liver-changing glucose into glycogen is produced by :-  
 (1) Pituitary (2) Thymus  
 (3) Parathyroid (4) Pancreas
- Estrogen is secreted by :-  
 (1) Liver (2) Spleep  
 (3) Ovaries (4) Pituitary
- Androgens are secreted by :-  
 (1) Pituitary (2) Testes  
 (3) Ovaries (4) Thyroid
- Ovulation in mammals occurs mainly under the influence of :-  
 (1) TSH and ACTH (2) FSH and LH  
 (3) TSH and STH (4) MTH and ACTH
- Which gland is both exocrine as well as endocrine  
 (1) Pituitary (2) Mammary  
 (3) Thyroid (4) Pancreas
- Chemical structure of man's insulin was studied by  
 (1) Banting (2) Kendal  
 (3) Tsan (4) Starling
- Oversecretion of glucagons cause :-  
 (1) Tetany (2) Diabetes sipidus  
 (3) Acromegaly (4) Glycosuria
- Glucagon is secreted by :-  
 (1)  $\beta$ (beta) cells of islets of langerhans  
 (2)  $\alpha$ (alphs) cells of islets of langerhans  
 (3)  $\beta$  cells of pancreas  
 (4) Adrensl cortex
- Insulin by chemical nature is :-  
 (1) Carbohydrate (2) Protein  
 (3) Steroid (4) Lipid
- If ovaries from a pregnant woman are removed in 4<sup>th</sup> month of pregnancy then :-  
 (1) Development of embryo becomes abnormal  
 (2) Abortion occurs after some time  
 (3) Embryo develops normally till birth  
 (4) None
- Leydig cells are menat for :-  
 (1) Formation of sperm  
 (2) To produce progesterone  
 (3) To produce testosterone  
 (4) Nutrition of sperm
- Secretion of estrogen is controlled by :-  
 (1) HCG (2) Progesterone  
 (3) LH (4) F.S.H.
- Immediate cause of induction of ovulation in human female is large in plasma surge of  
 (1) Progesterone (2) LH  
 (3) FSH (4) Estradiol
- Bombycol is a pheromone secreted by the body of  
 (1) Wasp (2) House fly  
 (3) Spider (4) Silk moth
- Stimulation of uterine contraction during child birth is brought about by :-  
 (1) Adrenaline (2) Progesterone  
 (3) Oxytocin (4) Prolactin
- Progesterone hormone is secreted from :-  
 (1) Placenta (2) Corpus luteum  
 (3) Both 1 and 2 (4) None of these
- The "erythropoietin" hormone regulates :-  
 (1) Blood pressure  
 (2) Water level of blood  
 (3) Glucose level of blood  
 (4) Rate of formation of red blood cells
- Which of the followinmg help in communication with the other members of the same species  
 (1) Hormones (2) Automones  
 (3) Pheromones (4) Autocoids
- Bombycol is pheromones which was studied first by  
 (1) Jhonson (2) Karlson  
 (3) Tyson (4) Autocoids
- Presence of "HCG" in urine of female confirm

- (1) Addison's disease      (2) Gynacomastia  
(3) Virilism                      (4) Pregnancy
22. One of the following is volatile :-  
(1) Enzymes                      (2) Hormones  
(3) Pheromones                (4) All
23. Injection insulin to an animal leads to increased :-  
(1) Glucose level of blood  
(2) Glucose level of wine  
(3) Glucose level of cells  
(4) None of these
24. The structure and amino acid sequence of the hormone insulin was discovered by :-  
(1) Benting                      (2) Sanger  
(3) Pauling                      (4) Cullen
25. Pheromones secreted by :-  
(1) Endocrine gland      (2) Exocrine gland  
(3) Apocrine gland      (4) Mixed gland
26. Which hormone has anti insulin effect :-  
(1) Cortisol                      (2) Oxytocin  
(3) Aldosterone              (4) Glucagon
27. "Geradiol" is a pheromone of :-  
(1) Honey bee                (2) Silk moth  
(3) Butterfly                    (4) All
28. One of the following is pheromone :-  
(1) Bombycol                (2) Cineton  
(3) Geradiol                    (4) All
29. Estrogen is secreted by :-  
(1) Corpus albicans  
(2) Corpus Callasum  
(3) Corpus Luteum  
(4) Cell of graffian follicles
30. The "Estrogen" secretion is controlled by :-  
(1) FSH                          (2) LH  
(3) Progesterone              (4) GTH
31. "Anti abortion" hormones is :-  
(1) Relaxin                      (2) Oxytocin  
(3) Progesterone              (4) Oestrogen
32. Diabetic comma is due to hyposecretion of insulin in which :-  
(1) Glucose level increased in blood  
(2) Keto acidosis take place  
(3) Dehydration process start  
(4) All the above
33. One molecule of insulin contains :-  
(1) 30 Amino acid              (2) 41 amino acid  
(3) 51 amino acid              (4) 70 amino acid
34. Renin is produced by kidney and :-  
(1) Stimulate haemopoiesis  
(2) Change angiotensinogen into angiotensin  
(3) Influence ultrafiltration  
(4) All of the above
35. One of the following is artificial insulin :-  
(1) IZS only                      (2) PZI only  
(3) Both of the above      (4) None of the above
36. The diabetes mellitus is caused by :-  
(1) Hyper secretion of Insulin  
(2) Hyposecretion of Insulin  
(3) Hyposecretion of ADH  
(4) Hyper secretion of ADH
37. Which one is a female sex hormone :-  
(1) Estrogen                      (2) Progesterone  
(3) Estradiol                    (4) All of these
38. Function of rennin is :-  
(1) To reduce blood pressure  
(2) Vasodilation  
(3) Degradation of angiotensinogen to angiotensin  
(4) Stimulates Urination
39. Which of the following hormone is secreted by kidney :-  
(1) Renin  
(2) Renomedullary Prostaglandin  
(3) Erythropoietin  
(4) All of these
40. Endocrine structure of kidney is :-  
(1) Cortex  
(2) Medulla  
(3) Juxtra - medullary node  
(4) Pelvis
41. Feminizing hormone is :-  
(1) Glucagon                      (2) Gastrin  
(3) Oestrogen                    (4) Androgens
42. Which of these is not a ketone bodies :-  
(1) Acetoacetic acid  
(2) Succinic acid

- (3) Beta hydroxyl butyrate  
(4) Acetone
43. Which of the following is first aid hormone :  
(1) Vitamin D (2) Catecholamines  
(3) Kinins (4) Thymopsin
44. Which statement is correct about Vitamine-D  
(1) Increase  $Ca^{+2}$  absorption in GUT  
(2) Hyposcretion in children produce rickets  
(3) Increases osteoblastic activity  
(4) All of the above
45. Which of the following is not a example of sex pheromone :-  
(1) Bombicol (2) Muskone  
(3) Formic acid (4) Civetone
46. In diabetes mellitus, what condition does not possible  
(1) Polyurea (2) Loss of appetite  
(3) Glycolurea (4) Ketoacidosis
47. Similarity between dependent diabetes mellitus and noninsulin dependent diabetes mellitus are :-  
(1) Both are insulin dependent  
(2) Both are present since childhood  
(3) Hyperglycaemia produce due to lack of insulin  
(4) Both having family history
48. Which of the following act as both hormone and enzyme :- **[RPMT-2000]**  
(1) ADH hormone (2) Acetylcholinesterase  
(3) Angiotensinogen (4) Renin
49. What is the molecular weight of Insulin :- **[RPMT-2000]**  
(1) 15000 (2) 5000  
(3) 4000 (4) 6000
50. Prostaglandis affect :- **[RPMT-2000]**  
(1) Blood pressure (2) Defection  
(3) Osmoregulation (4) Oxygen metabolism
51. Which cells of pancreas secrete the hormone insulin **[RPMT-2001]**  
(1) Alpha-cells of langerhans  
(2) Beta-cells of langerhans  
(3) Interstitial cells  
(4) Gamma-cells of langerhans
52. In Rabbit, which of the following organ acts as both endocrine & exocrine gland :- **[RPMT-2001]**  
(1) Testes (2) Ovary  
(3) Pancreas (4) Stomach
53. Which temporary endocrine gland forms in oveyary after ovulation :- **[RPMT-2003]**  
(1) Corpus callosum  
(2) Corpus albicans  
(3) Corpus luteum  
(4) Corpus striata

**ANSWER KEY****EXERCISE-5**

Q.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
A.	2	4	3	2	2	4	3	4	2	2	3	3	4	2	4
Q.	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
A.	3	3	4	3	2	4	3	3	2	2	4	1	4	4	1
Q.	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
A.	3	4	3	4	3	2	4	3	4	3	3	2	3	4	3
Q.	46	47	48	49	50	51	52	53							
A.	2	2	4	4	1	2	3	3							