

Histo ENR Important MCQ (Endocrine)

<p>1. <u>Which of the following is a component of pars nervosa:-</u></p> <p>a) Pituicytes b) Chromophobes c) Brain sand d) Mammotrophs e) Corticotrophs</p>	A
<p>2. <u>Which of the following cells act as progenitor cells in the pituitary gland:-</u></p> <p>a) Thyrotrophs b) Corticotrophs c) Gonadotrophs d) Chromophobic cells e) Somatotrophs</p>	D
<p>Brain sand is present in:-</p> <p>a) Pars nervosa of pituitary gland b) Pineal gland c) Pars intermedia of pituitary gland d) Pars distalis of pituitary gland e) Pars tuberalis of pituitary gland</p>	B
<p>4. <u>In the pituitary gland, Which cell has electron dense granules which increase in size during pregnancy:-</u></p> <p>a) Thyrotrophs b) Corticotrophs c) Gonadotrophs d) Chromophobic cells e) Mammotrophs</p>	E
<p>5. <u>Prolactin hormone is released by the following cells of adenohypophysis:-</u></p> <p>a) Corticotrophs b) Gonadotrophs c) Mammotrophs d) Somatotrophs e) Thyrotrophs</p>	C



<p>6. <u>Which two hormones are released from the neurohypophysis:-</u></p> <ul style="list-style-type: none"> a) Oxytocin and antidiuretic hormone b) Vasopressin and luteinizing hormone c) Growth hormone and prolactin d) ADH and melanocyte stimulating hormone e) Oxytocin and follicle stimulating hormone 	A
<p>7. <u>The pars distalis of the adenohypophysis of pituitary gland is:-</u></p> <ul style="list-style-type: none"> a) When stained with H& E appear pale in color b) Rich in nerve fibers and pituicytes c) Store secretions produced by the hypothalamus d) Connected to the hypothalamus by pituitary stalk e) Contain cells secreting growth hormone 	E
<p>8. <u>Which part of the pituitary gland plays a role in the production of melanocyte stimulating hormone (MSH):-</u></p> <ul style="list-style-type: none"> a) Infundibulum b) Pars posterior c) Pars intermedia d) Pars anterior e) Pars tuberalis 	C
<p>9. <u>Pinealocytes are cells which:-</u></p> <ul style="list-style-type: none"> a) Have deep acidophilic cytoplasm b) Secrete growth hormone c) Secrete FSH & LH d) Secrete melatonin e) Are present in the Pars nervosa 	D
<p>10. <u>Which cell secrete TSH:-</u></p> <ul style="list-style-type: none"> a) Somatotrophs b) Corticotrophs c) Thyrotrophs d) Mammotrophs e) Chromophobes 	C



<p>11. Which one forms collar around the infundibulum of neurohypophysis:-</p> <ul style="list-style-type: none"> a) Pars Tuberalis b) Pars Intermedia c) Pars Distalis d) Pars Nervosa e) Pineal body 	A
<p>12. Brain sand:-</p> <ul style="list-style-type: none"> a) Found in diseased pineal gland b) Serves as landmark for radiologists c) Intensely acidophilic d) Decrease in size throughout life e) Secretes melatonin 	B
<p>13. Which of the following is a component of pars nervosa:-</p> <ul style="list-style-type: none"> a) Brain sand b) Chromophobes c) Corticotrophs d) Mammotrophs e) Pituicytes 	E
<p>14. What is the most numerous cell in adenohypophysis:-</p> <ul style="list-style-type: none"> a) Somatotrophs b) Lactotrophs c) Chromophobes d) Corticotrophs e) Thyrotrophs 	C
<p>15. Herring bodies are characteristic finding in:-</p> <ul style="list-style-type: none"> a) Pars tuberalis b) Pars nervosa c) Pars intermedia d) Pars distalis e) Pineal body 	B



<p>16. Calcitonin hormone is secreted by which of the following:-</p> <ul style="list-style-type: none"> a) Follicular cells b) Para follicular cells c) Chief cells d) Oxyphil cells e) Basophils <p style="text-align: right;">N.B : Both B & D are correct ✓</p>	B
<p>17. Regarding chief cells of the parathyroid gland, which of the following is TRUE:-</p> <ul style="list-style-type: none"> a) Less numerous with age b) Larger than oxyphil cells c) Polygonal cells with central rounded nuclei d) Deeply acidophilic cytoplasm & dark nucleus e) Secrete thyroxin hormone 	C
<p>18. Regarding hyperactive thyroid gland, which of the following is true:-</p> <ul style="list-style-type: none"> a) Follicular cells are columnar b) Follicular cells are squamous c) Distention of colloid d) Follicular cells are cubical e) Increase phosphorus level 	A
<p>19. EM examination of oxyphil cells shows:-</p> <ul style="list-style-type: none"> a) Numerous acidophilic granules b) Numerous alpha Glycogen granules c) Numerous ribosomes d) Numerous golgi saccules e) Numerous mitochondria <p style="text-align: right;">Both A & E are correct ✓</p>	E
<p>20. A 35 years old female is diagnosed as hypothyroidism. Tissue biopsy from the thyroid gland of this case reveals:-</p> <ul style="list-style-type: none"> a) Colloid is depleted and the follicular cells are flattened b) Colloid is depleted and the follicular cells are cubical c) Colloid is abundant and the follicular cells are tall columnar d) Follicles are distended with colloid and follicular cells are flattened e) Colloid is depleted and the follicular cells are tall columnar 	D



<p>21. Regarding hypoactive thyroid gland, which of the following is true:-</p> <ul style="list-style-type: none"> a) Follicular cells are columnar b) Follicular cells are squamous c) Depletion of colloid d) Increased thyroid hormone secretion e) Follicular cells are cubical 	B
<p>22. Regarding parafollicular cell:-</p> <ul style="list-style-type: none"> a) Smaller than follicular cells b) They reach the lumen of the follicle c) Pale cytoplasm d) Represent 20 % of lining epithelium of thyroid follicles e) Secrete thyroxine hormone 	C
<p>23. Which cell secrete calcitonin:-</p> <ul style="list-style-type: none"> a) C-cell b) Follicular cells c) Oxyphil d) Chief cell e) Thyrocytes <p style="text-align: right;">N.B : Both A & C are correct </p>	A
<p>24. Which of the following is present in parenchyma of parathyroid gland:-</p> <ul style="list-style-type: none"> a) Follicular cell b) C-cell c) Pituicytes d) Oxyphil cell e) Thyrotrophs 	D
<p>25. Which cell type is involved in the secretion of thyroglobulin:-</p> <ul style="list-style-type: none"> a) Principal cell b) Oxyphil cell c) Follicular cell d) Parafollicular cell e) Chromaffin cell 	C



<p>26. Which gland secretes calcitonin:-</p> <ul style="list-style-type: none"> a) Parathyroid b) Thyroid c) Pineal gland d) Suprarenal cortex e) Suprarenal medulla <p style="text-align: right;">N.B : Both A & B are correct <input checked="" type="checkbox"/></p>	B
<p>27. What is the most numerous cell in parathyroid gland:-</p> <ul style="list-style-type: none"> a) Principal cell b) Oxyphil cell c) Parafollicular cell d) Follicular cell e) Chromaffin cell 	A
<p>28. L/M examination of a biopsy from hyperactive thyroid gland shows which of the following findings:-</p> <ul style="list-style-type: none"> a) Lining epithelium is ciliated b) Lining epithelium is pseudostratified columnar c) Lining epithelium is simple columnar d) Lining epithelium is simple cuboidal e) Lining epithelium is squamous 	C
<p>29. L/M examination of a biopsy from hypoactive thyroid gland shows:-</p> <ul style="list-style-type: none"> a) Lining epithelium is ciliated b) Lining epithelium is pseudostratified columnar c) Lining epithelium is simple columnar d) Lining epithelium is simple cuboidal e) Lining epithelium is squamous 	E
<p>30. Parafollicular cells:-</p> <ul style="list-style-type: none"> a) Respond to TSH b) Involved in uptake of thyroglobulin c) Larger than follicular cell d) 10% of thyroid cells e) Deep basophilic 	C



<p>31. <u>The most inner zone of adrenal cortex is:-</u></p> <ul style="list-style-type: none">a) Zona fasciculatab) Zona glomerulosac) Zona internad) Zona pellucidae) Zona reticularis	E
<p>32. <u>The cells secreting mineralo-corticoids are present in:-</u></p> <ul style="list-style-type: none">a) Zona fasciculatab) Zona glomerulosac) Zona internad) Zona pellucidae) Zona reticularis	B
<p>33. <u>Which of the following zones contains the cells secreting glucocorticoids:-</u></p> <ul style="list-style-type: none">a) Zona fasciculatab) Zona glomerulosac) Zona internad) Zona pellucidae) Zona reticularis	A
<p>34. <u>Spongiocytes are found in:-</u></p> <ul style="list-style-type: none">a) Zona fasciculatab) Zona glomerulosac) Zona internad) Zona pellucidae) Zona reticularis	A
<p>35. <u>What is the glucagon secreting cells:-</u></p> <ul style="list-style-type: none">a) α cellsb) β cellsc) δ cellsd) F cellse) Ganglion cells	A



<p>36. <u>What are the most numerous cells of islets of Langerhans:-</u></p> <ul style="list-style-type: none">a) α cellsb) β cellsc) δ cellsd) F cellse) Ganglion cells	B
<p>37. <u>Which is the widest zone of SR cortex:-</u></p> <ul style="list-style-type: none">a) Zona Fasciculatab) Zona Glomerulosac) Zona Reticularisd) Zona Pellucidae) Zona interna	A
<p>38. <u>Which zone contains Lipofuscin pigment in its cells:-</u></p> <ul style="list-style-type: none">a) Zona Fasciculatab) Zona Glomerulosac) Zona Reticularisd) Zona Pellucidae) Zona interna	C
<p>39. <u>Which cell secretes Somatostatin:-</u></p> <ul style="list-style-type: none">a) F cellsb) Alpha cellsc) Beta cellsd) D cellse) Chromaffin cell	D
<p>40. <u>Where is insulin secreted from:-</u></p> <ul style="list-style-type: none">a) Alpha cellsb) Beta cellsc) Delta cellsd) F cellse) Pancreatic acini	B



<p>41. <u>Which of the followings is a component of SR medulla:-</u></p> <ul style="list-style-type: none"> a) Zona glomerulosa b) Zona fasciculata c) Zone reticularis d) Chromaffin cells e) Islets of Langerhans 	D
<p>42. <u>Which cell type found in adrenal medulla:-</u></p> <ul style="list-style-type: none"> a) C-cell b) Follicular cells c) Chromaffin cell d) Oxyphil cells e) Chief cell 	C
<p>43. <u>Which of the followings is the middle layer of adrenal cortex:-</u></p> <ul style="list-style-type: none"> a) Zona glomerulosa b) Zona fasciculata c) Zone reticularis d) Chromaffin cells e) Islets of Langerhans 	B
<p>44. <u>What is the most outer layer of the suprarenal gland:-</u></p> <ul style="list-style-type: none"> a) Zona fasciculata b) Zona glomerulosa c) Zona interna d) Zona pellucida e) Zone reticularis 	B
<p>45. <u>Which type of the following cells represents the major quantity of cells present in the islet of Langerhans:-</u></p> <ul style="list-style-type: none"> a) Alpha cells b) Beta cells c) Delta cells d) F cells e) Gamma cells 	B



46. Where in the pancreas are islets of Langerhans are more numerous:-

- a) Head
- b) Body
- c) Tail
- d) Evenly distributed
- e) Depends on the individual

C

47. Cushing syndrome may be due to hyperfunction of which of the following:-

- a) Zona fasciculata
- b) Zona glomerulosa
- c) Zona interna
- d) Zona pellucida
- e) Zone reticularis

A

48. How do you describe the action of neuro-endocrine cells:-

- a) Autocrine
- b) Paracrine
- c) Merocrine
- d) Holocrine
- e) Apocrine

B

49. Which of the following cells stains positive with chromium salts:-

- a) Alpha cells
- b) Beta cells
- c) Argentaffin cells
- d) Enter-chromaffin cells
- e) F cells

D

50. Which of the following cells stains positive with silver nitrate:-

- a) Alpha cells
- b) Beta cells
- c) Argentaffin cells
- d) Enter-chromaffin cells
- e) F cells

C