

Endocrine System

MIX EXAM

Soul Batch

DONE BY:

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ES exam

1- Which one is not part of MEN1 syndrome,

Answer: sporadic is more aggressive

2- Which of the following drug dose NOT use in Cushing syndrome...

A- Ketoconazole

B- aminoglutethimide

C- trilostane

D- metyrapone

E- eleprenone

***** Answer: E**

3- which of the following drug must not combine with glyburide...

A- bioglitazone

B- metformin

C- Saxagliptin

D- repaglinide

***** Answer: D (the same MOA)**

4- which of the following is NOT TRUE

A- hydrocortisone can be taken IV

B- methylprednisolone can be used for replacement

C- betamethasone is the most potent anti-inflammatory without salt retention

D-trimecilinone Is intermediate acting glucocorticosteroids

***Answer: B

5- pregnant lady with type 2 diabetes mellitus can take

A- glyburide

B- glipizide

C- glimepiride

D- Tolbutamide

***Answer: A

6- Thyroidectomy is planned for women with hyperthyroidism... What is the strategy...

Answer: propranolol + methimazole >>> one week gap >>> thyroidectomy >>> propranolol + levothyroxine

7- Which of the following is true

A- intensive strategy for treatment of diabetes is recommended for elderly patients

B- Standard strategy is giving insulin more frequently as 3 to 4 times

C- Standard strategy reduce the long term complications more than standard one

D- Intensive strategy increase the likelihood to develop hypoglycemia, seizures and coma

*****Answer: D**

8- Which of the following drug inhabits alpha Glycosidase.....

A- metformin

B- Acarbose

C- repaglinide

*****Answer: B**

9- Which of the following is NOT from the recommendation that given for patients who take steroid therapy

A- Take morning dose

B- Use omeprazole

C- take the highest effective doses for short course

D- take VD and Ca for menopause women whose T score less than -1

*****Answer: C**

10- Mismatch

Answer: methimazole: pregnant lady

11- which of the following is used in male for spermatogenesis

A- menotropin + FSH + LH

B- chomiphene

C-hCG

***** Answer: A**

12- A women suffering from infertility, amenorrhea, and galactorrhea:

Answer: Prolactinoma

13- Which of these changes didn't occur between meals :

Answer: Increase insulin to glucagon ratio

14- which of the following is correct about thyroid hormones: :

Answer: Albumin binds t3 more than t4

15- Which of the following is not true:

Answer: methylprednisolone is one of the replacement therapy

16-paraneoplastic syndrome of Cushing syndrome is :

Answer: small cell lung cancer

17- All are true about Obesogenic environment in Arab countries, EXCEPT:

Answer: childhood obesity

18- A drug which is not used for Cushing syndrome treatment:

Answer: Eplerenone

19- Corticosteroids is contraindicated in all of the following except:

Answer: Anaphylactic shock

20- HbA1c is :

Answer: Asses glyceemic control

21- All of the following are risk factors for DM1, except:

Answer: Family history

22- All of the following are true except:

Answer: BMI between 25-29.9 is Obese .

23- Types of capillaries in the endocrine glands is:

Answer: Fenestrated

24- All the following cell types are basophils EXCEPT:

Answer: Sommatotrophs

25- The type of cells present within anterior pituitary and arranged as individual cells and active during lactation are

Answer: Mammotrophs

26- Regarding the posterior pituitary, Mark the Wrong statement:

Answer: Secrets ADH and Oxytocin

27- All the followings types of cells/structures develop mainly postnatally EXCEPT:

Answer: Beta cells of pancreas

28- HORMONES CAN BE CLASSIFIED IN SEVERAL WAYS except:

Answer: receptor size

29- Which of the followings is a glycoprotein ?

Answer: TSH

30- Which the first complication of DM type 1?

Answer: ketoacidosis

31- Reidel thyroiditis:

Answer: fibrosis

32- Which the difference between parathyroid gland adenoma and hyperplasia:

Answer: size of other gland

33-case :TSH is high ,total T4 is high ,thyroid binding protein is normal :

Answer: secondary hyperthyroidism

34- Female with postpartum thyroidism which is least manifestation

Answer: constipation

35- First manifestation of B-HSDtype2 enzyme (cortisol to cortisone):

Answer: hypertension

36- first manifestation of SIADH :

Answer: hyponatremia

37-Don't work through a transporters ..

Answer: oxytocin

38- Parafollicular cells in which type of carcinoma...

Answer: Medullary

39- Not true about papillary carcinoma

Answer: Mutation in PTEN gene

40- Postpartum thyroiditis with which type

Answer: Subacute lymphocytic thyroiditis

41- The percent of aromatization of testosterone to E2 in males

Answer: 80%

42- About insulin receptor all true except :

Answer: Need ligand to dimerization

43- Which is not in catecholamine synthesis

Answer: acetate

44- Which of the following does not need G PROTEIN?

Answer: androsteredione

45- Which is true about DHEA

Answer: Can be modified by sulfotransferase

46- Diagnosing Hyperplasia of parathyroid depends on

Answer: Size of other glands

47- Most reliable criteria for malignancy

Answer: Metastasis

48- TSH ↑, ↑ free T4

Answer: Secondary Hyperthyroidism

49- Hashimoto is associated with what kind of neoplasm

Answer: Lymphoma

50- About Diffuse Nontoxic Goiter which is false?

A- Hyper functioning follicular cells.

B- Endemic in Iodine deficiency areas

C- More common in females

D- Follicles are enlarged

*** Answer: A

51- False about Anaplastic Carcinoma

Answer: middle aged female

52- (Picture of Medullary Carcinoma of the Thyroid)

The stain used for amyloid is

Answer: Congo red

53- Which Hormone has the least binding ability with albumin

Answer: Oxytocin

54- Usually true about peptide proteins

Answer: Have cell-surface receptors

55- About hypothalamus-Hypophyseal axis:

Answer: portal venous plexus from Hypothalamus to Adenohypophysis

56- Which paraneoplastic Syndrome causes Cushing's syndrome

Answer: Small Cell Lung Carcinoma

57- Neoplasm in extra-adrenal sites

Answer: Paraganglioma

58- Proliferative type of Ocular Complications

Answer: causes blindness

59- About Diabetic Neuropathy which is false

Answer: The most frequent is peripheral , asymmetric neuropathy

60- The false statement about pituitary

Answer: Develop From Oral Endoderm

61- The right statement

Answer: T3 is more bound to Albumin than T4

62- Which of the following would be expected in a patient with a genetic deficiency of 11- β -hydroxysteroid dehydrogenase type II?

A- Hyperkalemia

B- Hypertension

C- Increased plasma renin activity

D- Increased plasma [aldosterone]

E- Hyperglycemia

*** Answer: B

63- Wrong statement about DM Answer: Patients should get eye examination every 5 years

64- which of the following hormone has least half life

A- testosterone

B- cortisol

C- aldosterone

D- insulin

*** Answer: D

65- All of the following increase aldosterone secretion except :

Answer: increase [Na]

66- women with DM2 , come to the doctor with renal failure , the most consequence will be :

Answer: Parathyroid hyperplasia

67- G protein couple to phospholipase C , the 2nd messenger will be :

Answer: IP3

68- One of these hormone need cell surface receptor :

Answer: catecholamine

69-All of the following true about aldosterone , except :

- A- the precursor is cholesterol
- B- has progesterone as an intermediate
- C- synthesis from corticosterone
- D- inside zona glomerulose
- E- don't need ACTH

70- Rate limiting step in catecholamine synthesis involved :

Answer: tyrosine hydroxylase

71-From dopa to dopamine , you need :

Answer: decarboxylase enzyme

72- One of the following has nuclear receptor :

Answer: Vitamin D

73- Ganglioneuroblastoma and ganglioneuroma in:

Answer: MEN2b

74- All of the following use to differentiated except:

Answer: morphology of the cells

75- Women comes to her doctor with elevated in TH , after 2 months TH return to the normal state , which of the following indicate to this condition :

Answer: Multinucleated giant cell

76- Cretinism is :

Answer: hypothyroidism in infancy

77- Glucagon is not :

Answer: Hypoglycemic

78- Which of the following occur in hyperthyroidism:

Answer: Decrease time of reflex stretch interaction

79- 25 male with strong family history of thyroid cancer with multicentric neoplastic mass , the main histological feature:

Answer: Amyloid deposition

80- not associated with primary hyperparathyroidism:

Answer: Dystrophic calcification

81- stalk effect lead to :

Answer: Increase prolactin secretion

82-which of the following is not hyperfunction disease:

Answer: Addison disease

83- If the doctor give the pt. Estradiol , what will happen :

Answer: Increase TBP , Increase total TH , normal TSH

84 Incomplete (degeneration) of thyroglossal duct:

Answer: Thyroglossal cyst

85- All of these are true about Exenatide except:

Answer: It's GLP 1 receptor antagonist.

86- mucosal neurofibroma is :

Answer: MEN2b

87- transmitted via axons, except:

Answer: Melatonin

88- not expected to increase aldosterone :

Answer: increase Na

89- isthmus of Thyroid gland lies:

Answer: between 2-3 tracheal ring

90- Metformin is :

Answer: doesn't cause hypoglycemia

91- The treatment of cushing syndrome in pregnant women is :

Answer: Metyrapone

92- The PTU drug used for:

Answer: Hyperthyroidism

93- One of the following is wrong about eplerenone drug :

Answer: Causes gynecomastia

94- The treatment of women with galactorrhea, infertility ...

Answer: Bromocriptine

95- To induce ovulation, all of these methods are true except :

Answer: Giving menotropins , FSH , LH 3 times per week

96- All of these sulfonamides are contraindicated in pregnant woman except :

Answer: Glyburide

97- The main treatment of hypoparathyroidism is:

Answer: Ca carbonate

98- One of these is true about Metformin:

Answer: don't induce hypoglycemia

99- Remnant of thyroglossal duct:

Answer: Foramen cecum

100- Thyroid follicular structure & beta cells of pancreas develop in:

Answer: 9th - 10th week of pregnant

101- The wrong statement about diabetes is:

Answer: Total deaths from diabetes are projected to rise by more than 100% in the next 10 years

102- One of the following isn't true:

Answer: Obesity percentage in children (between 6-12) is 20%

103- Acromegaly in adults treated by:

Answer: Pegvisomant

104- In renal failure:

Answer: Increased PTH, decreased vit.D , increased plasma phosphate

105- Regarding to Men (2) :

Answer: Medullary carcinoma presents in all the types

106- Hyperparathyroidism can result in all the following , except :

- A- chondrocalcinosis
- B- Kidney stones
- C- Dystrophic calcification
- D- osteitis fibrosa cystica
- E- Constipation

*** Answer: C

107- All of the following can cause multinodular goiter , except :

- A- Excess intake of cabbage
- B- grave's disease
- C- exogenous thyroxine
- D- iodine deficiency

*** Answer: C

Good Luck