BLOCK F KGMC 2022

1 Calcitonin is secreted by c cells of thyroid gland , the function of calcitonin is

A. Inc calcium absorption fron GI tract

B. Inc osteoblast activity

C. Inc osteoclast activity

D. **Decreases bone resorption**

2 A young female presented in OPD with carpopedal spasm, her lab findings show normal HB, normal white cells count and low calcium, the condition is...

A.hypopituitrism

B.hypogonadism

C.hypoparathyrodism

D.hypothyrodism

E.hypoaldosteronism

3 Parathyroid hormone is involved in metabolism of calcium and phosphate .. the mechanism of action of this hormone involve:

a) adenlyl cyclase

b)cAMP

c)cGMP

d) tyrosine kinase

4 Vit D has many imp functions..

An imp function of vit D is to increase..

1.bone resorption

2.bone mineralization

3.bone pain.

4.muscle weakness

5 During synthesis of thyroid Hormone the first step is Iodine trapping,regarding iodine pump the iodine are

Co-trnasported with 2 molecules of:

A)HCO3-

B)Ca+2

C)Cl-

D)k+

E)Na+

6 Which of the following is a strong stimulus for TRH release from hypothalamus and thus TSH release?

A.cold

B.growth hormone

C.anxiety

D.fear

Roll #06

7 During thyroid hormone synthesis, inhibition of iodide pump would be expected to cause the following change;

a) increased synthesis of thyroxine

b) **increased synthesis of thyroglobulin**

c) increased metabolic rate

d) decreased thyroid stimulating hormone

e) extreme nervousness

8 Macqs No 8 : Which of the following physiological effect is greater for T3 than T4 :

a) **more nuclear receptors in the target tissue**

b) Greater plasma concentration

c) Great plasma half life

9) A 45 year old man has hipothyroidism due to primary abnormality in the gland. Which of the following conc increases in plasma

Cholestrol

Diiodothyronine

Reverse triiodothyronine

Iodide

Thyroxine binding globulin

10 secretion of aldosterone is stimulated by

a ADH

b **Angiotension** II

c ACTH

d Epinephrine

e Nor Epinephrine

11. Regarding tsh

A.follows positive feedback

B.specificity depends on alpha subunits

C.specificity depends on beta subunits

D.beta subunits are similar to that of LH

E.beta subunits are similar to that of FSH

12) Considering aldosterone and its regulation in glycoprotein harmone

A: It is secreted by adrenal medulla

B: Its secretion is decreased by increasing potassium intake

C: Its secretion is decreased by decreasing potassium intake

D: Its sectetion is increased by increasing potassium intake

13 which of the following acts as a neurotransmitter in adrenergic neuron?

1 serotonin

2 **epinephrene**

3 acetylcholine

4 dopamine

14 A 30 old man presented to casualty with rapid deep breathing fever was labeled keto acidosis what will be the glucose and keto acids profile of his blood

15 Some cells secrete chemicals into extracellular fluid that act on the cells of same tissue.

Which of the following refers to this type of regulation?

A) Neural

B) Endocrine

C) Neuroendocrine

D) **Paracrine**

E) Autocrine

16. A patient with longstanding uncontrolled diabetes , which of the following is correct

A. Decrease cholesterol in blood

B. Decrease utilization of fatty

C. Failure to use glucose for energy

D. Protein deposition

E. None

17 Somatostatin is secreted by pancreas to

A. Increase secretion of insulin and glucagon

B. **Decrease secretion and absorption in git**

C. Has got half life of 3 hrs in blood

D. Increase motility of stomach and duodenum

E. Secreted by alpha cells of pancreas

18 Mcq Regarding glugacon it 1) decreases the blood supply to kidneys 2) decreases the gluconeogenesis 3) **stimulates gastrin secretion** 4) increase glucose uptake by the liver

19 ..Which of the following cause labour initiation

A.Antagonist of progestrone

B.Antagonist of LH

C.Antagosist of prostaglandin E2

D.oxytocin

20)which of the following is most likely to produce greatest increase in insulin

A) glucose

B) **glucose and amino acid**

C) Amino acid and somatostatin

D) glucose and smoatostatin

21) A boy eat non carbohydrate diet rich in proteins having amino acids due to which insulin is produce but body is not having hypoglycemic shock due to

a) depression of growth hormones

B) depression of smatomodulin C

C) increase cortisol

D) **increase glucagon**

E) increase epinephrine

22Rollno 22...milk production occure after delivery not during pregnancy...a.low level fsh and lh ..b.high level of progesterone and estrogen suppress it during pregnancy to produce milk ..c..oxytocin secreted after pregnancy to cause production of milk..**d..prolactin**

23) Which hormone is not stored in its endocrine gland?

a) T4

b) ACTH

c) PTH

d) **Aldosterone**

e) insulin

24)long term diabetes causes:

A) increase in pH

B) increase in plasma volume

C) decrease in plasma osmolarity

D) increase in glucose formation by liver

E) **increase lipolysis**

The most probable findings in a patient who has uncontrolled DM 1.

A- decreased plasma osmolility.

B- **increse plasma volume.**

C- increase plasma ph

D- increase release of glucose from liver

E-decreased lipolysis.

ROLL NO : 150

25 What doesn't increase when glucose binds to the cell

Gluconeogenisis

26 In case of aldosterone ACTH act on which part of adrenal cortex

27 GH secretion is inhibited by which of the following

A. Acromegaly

B.deep sleep

C.exercise

D.gigantism

E.acute hyperglycemia

Ans .. E

28 Physiological response for t3 greater than t4 :

1)Serum half life

2)Serum conc

)**Affinity of the nuclear receptors**

29After protein rich diet, a healthy volunteer blood was checked, it has high levels of

Insulin and glucagon

Cortisol and Insulin

Growth hormone

Thyroxine and Insulin

Thyroxine and Cortisol

30 . Thirty year old lady is breast feeding her baby which of the following hormone will increase? A. Increase ADH secretion from supraoptic nuclei. B. Increase ADH secretion from paraventricular nuclei. C. **Increase oxytocin secretion from paraventricular nuclei** D. Decrease secretion of neurophysin. E. Increase in concentration of both ADH and oxytocin.

31:which one of the following has no mineralocoritiod activity?

A)Aldosterone

B)Cortisone

C) Prednisolone

D) **Dexamethasone**

E)fludrocortisone

32Main action of insulin is

Convert glucose to glycogen

Gluconeogenesis

Increase fatty acid

Glcogenolysis

Glycolysis

33: Sreiod hormones are believed to enter target cells via?

A) facilitated diffusion

B) Carrier mediated endocytosis

C) Cholesterol lined pores in plasma membrane

D) **Simple diffusion**

E) Active transport

34.inhibitory effect of growth harmone is mediated primarily by insulin like growth factor 1 which is named so because it acts by

a.cyclic adenosine monophosphate

b.cyclic guanosine monophosphate

c.calcuim calmudulin

d.protein kinase system

35 Metabolic effects of Growth hormone on glucose are antagonist to those of :

1)Aldosterone

2)insulin

3) thyroxin

4) gonadotropin releasing hormone (GnRH)

5)testosterone

36.The hormone relased from gastriintestinal tract which also secrets GH is

A.CCK

B.gastrin

C.ghrelin

D.gastric inhibitory peptide

E.secretin

37) menstral blood contain fewblood cells and plasma , lymphocytes . Clot not formed due to presence of

a) fibrinogen

b) **fibrinolysin**

c) blood cells

38 =A 28 year lady go to the outpatient department and bc of her continuously cramps during menstrual cycle this uterus contractions which cause pain is due to 1= estrogen 2= lh 3=**prosglandin** 4= progesterone

39)The constant phase of sexual cycle is

Correct option :**luteal phase**

4040. During proliferative phase of endometrial cycle there is :

A. Discharge of blood and debris from vagina

B. Increase in endometrial vascularity

C. **Increase in follicular estrogen secretion**

D. More uterine glandular secretion

E. Peak in progesterone level

41 : During secretory phase of endometrial cycle there is : A) discharge of blood from vagina. B) decrease in endometrial vascularity. C) decrease in estrogen secretion.
D)peak in progesterone

42 .During ovulation, release of secondary oocyte is initiated by

A. Estroge

B. Fsh

C. **GnRH**

D. Hydrolytic enzymes

E. Lysosomal enzymes

43 Which of the following is responsible for testosterone production

A.epidydimis,seminiferous tubules,ductus deference

B.ductus deference,epidydimis,seminiferous tubules

C.seminiferous tubules, epididymis, ductus deference

D.epididymis,seminiferous tubules

E.seminiferous tubules,ductus deference

44

45) the isthmus of fallopian tube remains spastically contracted for about first 3 days after ovulation. The substance secreted by ovarian corpus luteum leading to isthmus relaxation allowing entry of ovum into the uterus is

A) estrogen

B) HCG

C) oxytocin

D) **progesterone**

E) Relaxin

46:A newly married college student missed her period. She was advised by her college frnd for urine test.this test is used to check the presence of

a: estrogen

b: progesteron

C: oxytocin

D: **hcg**

47 Inhibition of uterine contractions during labour can be done by

1. Injecting LH

2. Injecting FSH

3. **Progesterone**

4. Oxytocin

5. Prostaglandin E2

48 .WHICH OF FOLLOWING INHIBIT LABOUR FACTOR

1.ADMINISTRATION OF OXYTOCIN

2.ADMINISTRATION OF ANTAGONIST OF PROSTAGLANDINS

3.ADMINISTRATION OF ANTAGONIST OF PROGESTERON

4.DIALATING OF CERVIX

49. Progesteron level is highest in

1.before ovulation

2.first day of menstruation

3.last day of menstruation

4.duration from Menstruation to ovulation

5.duration from ovulation to menstruation

50 30 year old women 10 weak gestation have previous 3 sponteous abortion have progesterone is low which harmones is responsible

À.ADH

B.ESTROGEN

C,FSH

D.**HCG**

E.LH

51.Menupause occus due to

A.Reduced level of gonadotrophic hormones secreted by anterior pituitary

B.Reduced responsiveness of follicle to stimulatory effect of gonadotrophin

C.decrease in no.of follicle available in ovary for stimulation by gonadotrophic hormone

D.Reduce rate of secretion of progesterone from corpus luteum

E.Negative feedback effect of estrogen & progesterone on posterior pituitary.

52: To prevent neural tube defects in fetus which one is given to pregnant lady

A)folic acid

B)vit k

C)vit D

D)ascorbic acid

Ans) **folic acid is right option**

53: Blood sample is taken from 45 year old men after and overnight fast. Which will be at high concentration?

A. Alanine

B. Glucose

C. **Glucagon**

D. Ketine bodies

E. FFA

54 :A known diabetic is brought to emergency room in a semiconscious state.According to the relatives the patient has skipped breakfast and

lunch.what is the immediate action of doctor on duty A

a.check his blood sugar

b.check BP

c.Do full blood count

D.Administrate I/V hypertonic

E.administrate I/V insulin

Correct

55 Action of insulin on lipid metabolism?

a: It increases lipolysis and increases synthesis of triglycerides

b: it decreases lipolysis and increases synthesis of triglycerides

c: it decreases lipolysis and decrease synthesis of triglycerides

d: it increases synthesis of triglycerides and increases ketogenesis

e: It increases synthesis of triglycerides and decrease ketogenesis

56.Insulin decreases blood glucose level by enhancing glucose transport into adipose tissue and muscle by recruitment of which substance from interior of cell to plasma membrane.

GLUT 4

cAMP

ATP sensitive K channel

Calcium channel

Epinephrine

57 .Alishba 30 years old lady presented to emergency department with weight loss tremors in hands irritability and irregular periods. On examination she has moist warm skin protruding eyes. On further examination she has raised thyroid hormone

A. Cushing syndrome

B. **Graves disease**

C. Lesch_nyhan's syndrome

D. Pompes disease

E. Hashimoto's disease

58..The hyperthyroid symptoms are sometimes mistaken for

Pregnancy

Posttraumatic stress

Crohns disease

Scabies

Maneupause

59)10 year old boy presented with puffiness, horsness of voice,salmonelence and low mental activity this symptoms is due to

1)Hyperthyrodism

2)myxedema

3)pheocromocytoma

4)rickets

5) cushing syndrom

60...Parenchyma of parathyroid gland consist of

A.Oxyphil and cheif cell

B.Parenchymal cell

C.Mesenchymal cell

D.Parietal cell

a) aldosterone

b)CRH

c) thyroid harmone

d) parathyroid hormone

61 Lack of glucocorticoids and mineral corticoids is due to deficiency of following in adrenal cortex :

1.anderosteinodione

2.c-21 hydroxylase

3.estrogen

4.testosterone

5.17a hydroxypreogesterone .

.62 : A 20 year old boy with uncontrolled hypertension is presented with low level of potassium and high level of sodium in his blood presenting Crohn's disease . Which harmone is abnormal

a) **aldosterone**

b)CRH

c) thyroid harmone

d) parathyroid hormone

63 A lactating woman came with complaint of insufficient breast milk for her 3 months baby .the def of which of the following us responsible :

1.growth hormone

2.luetnizing h.

3.oxytocin

4.prolactin

5.thyriod stimulating h

.64 The enzyme phenylethanol amine N methyltransferase is responsible for the conversion of :

1.epinephrine to dopamine

2.norepinephrone to epinep.

3.nor epinephrine to acetylcholine

4.dopamine to nor epinep

5.serotonin to epinephrine

65. Major hormone secreted by adrenal medulla:

A. **Epinephrine**

B. Nor epinephrine

C. Acetyl choline

D. Dopamine

E. Serotoni

66)neurotransmitter used by preganglionic nicotinic receptors in adrenal medulla for release of epinephrine is

1)acetylcholine

2) epinephrine

3) norepinephrine

4)serotonin

5)dopamine

67 . Cyclic GTP acts as a second messenger of

A. **Atrial natriuretic peptide**

B. Epinephrine

C. Norepinephrine

D. Nervous growth factor

E. Testosterone

68 Calcium is secreted from ER by

a) cyclic AMP

b)cyclic GMP

c) **inositol triphosphate**

d)diacylglycerol phosphate

69 :function of adenyl cyclase is,

(a) break down of proteins

(b) turnover of G protein

(c) **coversion of ATP to cAMP**

70Which one of the following is autocrine?

A.acetylcholine

B.cholecystokinin

C.Interleukin-2

D.Insulin

E.epinephrine

71 Endorphin pro ACTH and beta-lipotropic hormones are synthesized from

A) cholestrol

B) prostaglandin

C) **proopiomelanocortin**

D) carbohydrate

E) phospholipid

72 ....A 30 years old man came, with protubrent chin, big nose, large tongue and kyphosis.this condition is due to increase secretion of which hormone

A. adrenocoticotropic hormone

B. **Growth hormone**

C. gonadotropic hormone

D. Mineralocorticoid

E. parathyroid hormone

73. Ayesha 24 years old woman presented with pain and swelling of right leg. On examination, skin of the leg

is of red color and temperature of that leg is raised as compare to other leg. She is diagnosed as a coase of

deep vein thrombosis. She is taking oral contraceptive pills since the last sicx months. Which of the following

hormone is responsible for this condition

A.Cortisol

B. **Estrogen**

C. Follicle stimulating hormone

D. Progesterone

E. Prolactin

74. Sadaf, 65 years old in postmenopausal state is on hormonal replacement therapy for postmenopausal symptoms for 3 years. Lump is noticed on her breast. She is diagnosed with breast cancer.. which hormone is responsible for this condition...

A. FSH

B. **Estrogen**

C. Inhibin

D. Prolactin

E. Progesterone

75 which hormone is used to determine pregnancy

76 Urinary excretion of which of the following substance is used to diagnose disorder of testes and adrenal cortex ..

Beta estradiol

Estriol

HCG

Pregnandiole

17 beta ketosteroids

77. During pregnancy, the muscles of the uterus is intact. After the 9th month of

gestation, the uterine muscles get exited, this excitablity is attributed to

A. Deceased estrogen production

B. Increase progesterone production

C. Increase blood flow

78 Man is presented with flushness of skin, loss of muscles and mass, loss of sex drive

Testosterone deficiency

79 what is the most common cause of goiterous hypothyroidism?

A)hashimotos

B)Graves' disease

C)de quervains thyroiditis

D)reidels thyroiditis

E)tuberculosous thyroiditis

80Pelvic inflammatory disease is an absolute contradiction for

IUCD

ORAL CONTRACEPTIVE PILLS

Menopause

Tuberligation

Pregnancy

81....which maternal infection in early pregnancy causes multiple fetal abnormality including cardiac abnormalities,deafness,eye problem,mental retardation.

A....herpex simplex virus

B....rubella

C....syphilis

D.....toxoplasmois

E....genital warts.

82...Young girl taking amipdarone. Her TSH levels are less than 0.01. Which drug would u prescribe?

A.prednisolone

B.carbimazole??????not confirmed

C.prednisolone and propranolol

D.corticosterone

83

84 Good research proposalmust include

Discuss the data

Explain sampling technique

Explain study design

Address the research objectives

Must

85 sampling section in proposal needs to provide information of

a. **study of hypothesis????not confirmed**

b . type of software use

c . type of analysis

86 When you are writing a piece of work and use someone else's words or ideas you must reference them. Why is it imp to cite and reference other ppl's work correctly ?

87) Sara wanted to understand the reason of medical school preference, She developed tool with following question " Why did you choose to take your graduate study at the college?" This is example of which type of question?

Ans: **Close ended question**

88 . Penile urethra is derived from

A. urogenetal sinus

B. Pelvic part of vesicourethral canal

C. **Phalic part of vasicurethral canal**

D. Cloaca

E. Mesonephric duct

89.After the sinovaginal bulbs have proliferated and fused,they form a solid core of endodermal cells know aa the

a. sinus tubercle

b. prostetic utercle

c. **viginal plate**

d. uterovaginal primodium

e. vault of the vagina

90Mcqs number 90 :in female embryo the origin of labia minora is, :**a:urethral folds** b:genital tubercle c:genital swelling d:sinoviginal bulbs e:cloacal membrane.

91:in male embryo embryonic origin of penile urethra

Urethral fold

Genital tubercle

Cloacal membrane

Urogenital sinus

Genital fold

92

93. Which structure is not derived from the primitive urogenital sinus?

A) Most of urinary bladder

B) Lower vagina

C) Female urethra

D) Male urethra

E) **Ejaculatory duct**

94 Female urethra is closely associated with

Paramesonephric duct

Mesonephric duct

Genital swellings

Urogenital sinus??

95: which of the following disease is due to long term exposure to high level of cortisol

A: **Cushing disease**

B:Conn's disease

C: cohrn disease

D:Addision disease

E:Adrenal insufficiency

96.A young female suffering from fatigue,muscle cramps, weight gain,cold intolerance, irregular menstrual periods.she is probably suffering from

A.hyperthyroidism

B.hypothyroidism

C.hyperparathyroidism

D.hypoparathyroidism

97.A false pelvis is above?

a) acetabulum

b) Anterior sup iliac spine

c) Post sup iliac spine

d) **pelvic brim**

e) 1st lumber vertebrae.

98) Vas deference carry sperm epididymis to **A)ejaculatoryduct** B) urinary bladder C) membranous urethra

99: THE prostrate IS RELATED CLOSE TO

a) upper end of ureter

b) lower end pf ureter

c) vas deferens

d) epididymis

e) **neck of bladder**

100) The examiner glove fingered the posterior surface of the prostate through

A) **anterior wall of rectum**

B) posterior wall of rectum

C) lateral wall of rectum

D) anterior wall of sigmoid

E) posterior wall of anal canal

101

102 ovarian artery originates from abd aorta at the level of

A 4 lumber vertebra

B 5 lv

C 1 lv

D 2 lv

E 3 lv

103) lymph nodes of ovary are drained into the following nodes?

1) superficial inguinal lymph nodes

2) external iliac

3)internal iliac

4) para aortic lymph nodes

5)deep inguinal nodes

104 common site for fertilization is

A infundibulum

B **ampulla**

C isthmus

D intramural part of uterine tube

E post wall of uterine tUbe

105 common site of ectopic pregnancy is

A rectouterine pouch

B uterovesical pouch

C **uterine tube**

D vesical cavity

E uterine cavity

106) which of the following is a cytogenic gland.

a) parathyroid b) adrenal c) **ovary** d) pituitary

107. Thyroid ima artery is branch of

A) arch of aorta

B) ascending aorta

C) descending aorta

D) external carotid artery

E) internal carotid artery

108 Pathological enlargement of thyroid gland can produce pressure on

A.right bronchus

B.left bronchus

C.trachea

D.esophagus

E.thyroid cartilage

109.which of the following gland is responsible for the production of insulins

A.pancreas

110.Graffian follicals are related to

A. Testis

B. **Ovary**

C. Uterus

D. Uterine tube

E. Vagina

111 Lining epithelium of fallopian tube is:

a. Stratified columnar

b. Simple squamous

c.Simple cuboidal ciliated

d.Stratified squamous

e.startified cuboidal

Simple columnar epithelium

112.the fimbriae of uterine tube are closely related to

A.uterus

B.ureter

C.ovary

D.vagina

E.cervix

113: perimetrium is the outermost layer of;

1: ovary

2: **uterus**

3: vagina

4: ovarian follicle

5: corpus luteum

114 Average days of menstural cycle

24

25

26

28

29

115 epithelium of vajina iis

a) stratified squamous cornified

b**) stratified squamous non cornified**

c) simple cubidal

d)simple columner

e)simple squomous

116 : pars intermedia is the part of which gland??1: **Pituitary gland** ,2:thyroid gland 3: adrenal gland 4: parathyroid gland

117. Characteristic colloid follicle is main feature of

Ans.thyroid gland

118)....zona glomerulosa is the part of which gland?

a) pancrease

b)adrenal

c)thymus

d)thyroid

119) downward invagination of diencephalon A)adenohypophysis B) **neurohypophysis** C) thyroid gland D) parathyroid gland E) pineal gland

120.melatonin is mainly produced by?

a. Adenohypophysis

b.Neurohypophysis

c.Thyroid gland

d.Parathyroid gland **e.Pineal body**