FINAL ANSWER KEY

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Exam:	Associate Professor /Reader in Physiology and Biochemistry
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Question1:-N acetyl muramic acid is a derivative of

A:-Glucose

B:-Mannose

C:-Ribose

D:-Rhamnose

Correct Answer:- Option-D

Question2:-Which of the following enzyme is inhibited by flouride ions ?

A:-Hexokinase

B:-Enolase

C:-Aldolase

D:-Pyruvate Kinase

Correct Answer:- Option-B

Question3:-Pyruvate is converted to Acetyl CoA by

A:-Pyruvate dehydrogenase

B:-Pyruvate Kinase

C:-Pyruvate Carboxylase

D:-Phospho enol pyruvate carboxy kinase

Correct Answer:- Option-A

Question4:-Amino acid that is entering into the TCA cycle as fumarate is

A:-Histidine

B:-Valine

C:-Phenylalanine

D:-Proline

Correct Answer:- Option-C

Question5:-All are activators of gluconeogenesis except

A:-ATP

B:-Fructose 2,6 bisphosphate

C:-Citrate

D:-Glucagon

Correct Answer:- Option-B

Question6:-Which of the following doesn't have any effect on muscle glycogen phosphorylase ?

A:-Nov Epinephrine

B:-Calcium

C:-ATP

D:-Glucagon

Correct Answer:- Option-D

Question7:-Action of insulin is all except

A:-Fatty acid synthesis

B:-Protein synthesis

C:-Ketone body synthesis

D:-Glycogen synthesis

Correct Answer:- Option-C

Question8:-Which is not a feature of diabetic Keto acidosis ?

A:-Hypernatremia

B:-Hyperkalemia

C:-Osmotic diuresis

D:-Metabolic acidosis

Correct Answer:- Option-A

Question9:-Factors that increase insulin secretion are all except

A:-Epinephrine

B:-Glucagon

C:-Secretin

D:-Growth hormone

Correct Answer:- Option-A

Question10:-Von Gierke's disease is characterised by all except

A:-Hypoglycemia

B:-Hypouricemia

C:-Hyperlipidemia

D:-Lactic acidemia

Correct Answer:- Option-B

Question11:-Alcohol not seen in phospholipids is

A:-Mannitol

B:-Sphingosine

C:-Ionositol

D:-Glycerol

Correct Answer:- Option-A

Question12:-Which of the following is an example of polyunsaturated fatty acid ?

A:-Arachidic acid

B:-Palmitic acid

C:-Stearic acid

D:-Linoleic acid

Correct Answer:- Option-D

Question13:-Which of the following is not a product formed during beta oxidation of fatty acids ?

A:-NADH

B:-$FADH_2$

C:-Malonyl CoA

D:-Acetyl CoA

Correct Answer:- Option-C

Question14:-Lecithin cholestrol acyl transferase is activated by

A:-Apo B100

B:-Apo A1

C:-Apo A11

D:-Apo C11

Correct Answer:- Option-B

Question15:-Lipotropic factors include all except

A:-Choline

B:-Vitamin E

C:-Methionine

D:-Ethanol

Correct Answer:- Option-D

Question16:-Ammonia is formed by the action of all the following enzymes except

A:-Histidenase

B:-Monoamine oxidase

C:-Serine dehydratase

D:-Alanine transaminase

Correct Answer:- Option-D

Question17:-H. H. H syndrome is characterised by all except

A:-Hyper ornithinemia

B:-Hyper ammonemia

C:-Hyper citrullinemia

D:-Homo citrullinuria

Correct Answer:- Option-C

Question18:-Activity of glutamate dehydrogenase in liner is allosterically activated by

A:-ADP

B:-ATP

C:-GTP

D:-NADH

Correct Answer:- Option-A

Question19:-Which among the following is an exopeptidase ?

A:-Trypsin

B:-Chymotrypsin

C:-Elastase

D:-Carboxy peptidase

Correct Answer:- Option-D

Question20:-Phenylalanine hydroxylase deficiency causes which type of phenylketonuria ?

A:-Type I

B:-Type II

C:-Type III

D:-Type IV

Correct Answer:- Option-A

Question21:-Conversion of heme to bilirubin release one molecule of

A:-CO_2

B:-CO

C:-H_2O_2

D:-H_2O

Correct Answer:- Option-B

Question22:-All the following biochemical parameters are indices of synthetic function of liver except

A:-S.Albumin

B:-S.Globulin

C:-S.Cholesterol

D:-S.Bilirubin

Correct Answer:- Option-D

Question23:-Choose the wrong statement regarding Graves' disease

A:-TSH level decreased

B:-TPO antibody high

C:-TSH receptor antibody positive

D:-High free T4

Correct Answer:- Option-B

Question24:-In urine abnormal constituents study the result is as follows :
Hays test positive, Modified Fouchet's test is positive, Ehrlich's test negative. What is the type of Jaundice ?

A:-Prehepatic jaundice

B:-Hemolytic jaundice

C:-Hepatic jaundice

D:-Post hepatic jaundice

Correct Answer:- Option-D

Question25:-The daily requirement of Vitamin D in children is

A:-400IU/day

B:-600IU/day

C:-800IU/day

D:-1000IU/day

Correct Answer:- Option-B

Question26:-Which of the following is a useful biomarker for Paget's disease

A:-Alkaline Phosphatase

B:-Alanine aminotransferase

C:-Amylase

D:-Pseudocholinesterase

Correct Answer:- Option-A

Question27:-Choose the vitamin which has antioxidant property ?

A:-Vitamin B12

B:-Niacin

C:-Vitamin E

D:-Vitamin K

Correct Answer:- Option-C

Question28:-All the following are tests which assess tubular function of kidney except

A:-Inulin clearance test

B:-Osmolality of urine

C:-Urinary acidification

D:-Acidification and dilution studies

Correct Answer:- Option-A

Question29:-The cardiac biomarker that can be used to diagnose heart failure

A:-CK-MB

B:-Brain natriuretic peptide

C:-Troponin T

D:-LDH 1

Correct Answer:- Option-B

Question30:-The mineral necessary for collagen synthesis is

A:-Calcium

B:-Copper

C:-Zinc

D:-Magnesium

Correct Answer:- Option-B

Question31:-Anemia is a feature in all the following conditions except

A:-Vitamin B1 deficiency

B:-Vitamin B6 deficiency

C:-Vitamin C deficiency

D:-Vitamin B12 deficiency

Correct Answer:- Option-A

Question32:-Which vitamin deficiency can occur in a patient on prolonged antibiotic therapy ?

A:-Vitamin A

B:-Vitamin K

C:-Niacin

D:-Vitamin E

Correct Answer:- Option-B

Question33:-Which of the following statement is not true regarding Km value ?

A:-Km value is increased in competitive inhibition of enzymes

B:-Increased km value indicate decreased affinity of the enzyme for the substrate

C:-Km value is decreased in allosteric inhibition of enzymes

D:-Km value is independent of the enzyme concentration

Correct Answer:- Option-C

Question34:-All the following are selenium containing enzymes except

A:-Glutathione peroxidase

B:-Xanthine oxidase

C:-5'-deiodinase

D:-Thioredoxin reductase

Correct Answer:- Option-B

Question35:-Which form of vitamin A has role in vision ?

A:-Beta carotene

B:-Retinol

C:-Retinal

D:-Retinoic acid

Correct Answer:- Option-C

Question36:-Indirect positive Vanden Bergh reaction is seen in all the following conditions except

A:-Sickle cell anemia

B:-Thalassemia

C:-Dubin Johnson syndrome

D:-Crigler-Najjar syndrome

Correct Answer:- Option-C

Question37:-The marker of occult alcohol intake is

A:-5' Nucleotidase

B:-Alkaline Phosphatase

C:-Alanine Amino transferase

D:-Gamma glutamyl transferase

Correct Answer:- Option-D

Question38:-Which of the following normal constituent of urine is excreted in decreased amount in liver disease ?

A:-Creatinine

B:-Uric acid

C:-Urea

D:-Indican

Correct Answer:- Option-C

Question39:-Polyuria is seen in all the following conditions except

A:-Chronic renal failure

B:-SIADH

C:-Myxoedema

D:-Acromegaly

Correct Answer:- Option-B

Question40:-Creatinine clearance results are corrected using a patient's body surface area to account for differences in

A:-Age

B:-Body mass

C:-Sex

D:-Dietary intake

Correct Answer:- Option-B

Question41:-In a person, the extracellular potassium concentration in body fluids is 7meq/L, intracellular potassium concentration is 4-5eq/L. Which of the following is true ?

A:-RMP increase

B:-Action potential would fire more easily

C:-The concentration difference causing net diffusion of positively charged ions would be greater

D:-RMP is away from the threshold

Correct Answer:- Option-B

Question42:-Which is not true about Goldmann-Hodgkin-Katz Equation ?

A:-Magnitude of membrane potential depends on the distribution and permeability of ions in body fluids

B:-It deals with Ficks Law of diffusion

C:-Changes in extracellular Na produce little change in resting membrane potential

D:-Decrease in ECF Ca increase the excitability of nerve and muscle by increasing membrane permeability to Na

Correct Answer:- Option-B

Question43:-The following is not true for G Protein receptors

A:-There are small G proteins and large G proteins

B:-Gprotein receptors are Serpentine receptors

C:-The activity of Gprotein coupled receptors on target cell is due to βý subunit

D:-Pituitary adenoma occurs due to gain of function of Gprotein coupled receptors

Correct Answer:- Option-C

Question44:-Sodium Potassium pump activity is increased by

A:-Digitalis

B:-Insulin

C:-Dopamine

D:-None of the above

Correct Answer:- Option-B

Question45:-The following are features of Mobitz Type 1 block except

A:-Constant PR interval

B:-Normal QRS morphology

C:-Regular atrial rhythm

D:-Atrial rate greater than ventricular rate

Correct Answer:- Option-A

Question46:-Which of the following biomarkers is released from ventricular myocytes ?

A:-Brain natriuretic peptide

B:-Atrial natriuretic peptide

C:-Endothelin 1

D:-Endothelin 11

Correct Answer:- Option-A

Question47:-Splitting of second heart sound occurs

A:-Mostly heard in elderly subjects

B:-Closure of aortic valve occurs earlier than pulmonary valve

C:-Narrow during inspiration

D:-Closure of pulmonary valve occurs earlier than aortic valve

Correct Answer:- Option-B

Question48:-When a person changes position from standing to lying down posture, the following actions occur

A:-Heart rate increases and settles at a higher level

B:-Venous return to heart rises immediately

C:-Cerebral blood flow becomes more than that in standing position and settles at a higher level

D:-Decrease in blood flow to the lung apex

Correct Answer:- Option-B

Question49:-True regarding endothelin-1 are all except

A:-Bronchodilation

B:-Vasoconstriction

C:-Decreased GFR

D:-Has inotropic effect

Correct Answer:- Option-A

Question50:-True regarding vascularity of lung is

A:-Hypoxia cause vasodilation

B:-Pulmonary resistance is half of the systemic vascular resistance

C:-Perfusion is more in apical lobe than in base

D:-Distended pulmonary veins in lower lobe

Correct Answer:- Option-D

Question51:-Substance present in both serum and plasma is

A:-Fibrinogen

B:-Factor VII

C:-Factor V

D:-Factor II

Correct Answer:- Option-B

Question52:-The following is true for NK cell

A:-Small lymphocyte

B:-Depend on thymus for killing

C:-Depend on antibody for killing

D:-Can kill virus infected and cancer cells

Correct Answer:- Option-D

Question53:-Effect of negative g on circulation is

A:-Decreased cardiac output

B:-Decreased cerebral arterial pressure

C:-Ecchymoses around eyes

D:-Unconsiouness

Correct Answer:- Option-C

Question54:-The following are true for denervated Heart Graft except

A:-Autonomic regulatory mechanism absent

B:-Higher resting heart rate

C:-Decreased sensitivity to catecholamines

D:-Adequate cardiac output can achieve about 70% of cardiac output expected for his/her age

Correct Answer:- Option-C

Question55:-Positive feed back mechanism is seen in all except

A:-LH surge

B:-Entry of calcium into sarcoplasmic reticulum

C:-Increased release of acid in stomach stimulate gastrin secretion

D:-Thrombolytic activity in coagulation cascade

Correct Answer:- Option-C

Question56:-Which of the following is the correct statement about ventilation/perfusion ratio of lung ?

A:-Normal value of V/Q is more than one

B:-Normal value does not mean that ventilation and perfusion to that lung unit is normal

C:-Perfusion increases from apex to base whereas ventilation has a reverse relation

D:-Decreased ventilation can result in hypoxic vasodilation to pulmonary capillary bed

Correct Answer:- Option-B

Question57:-Which statement is incorrect about Pulmonary Surfactant ?

A:-It is a complex mixture of proteins, carbohydrates and lipids

B:-It is synthesised and secreted by type II alveolar cells and clara cells

C:-In postnatal life hyperinflation of lungs like yawning, exercise and beta agonists enhance surfactant production

D:-They are recycled or destroyed by type II cells after reuptake

Correct Answer:- Option-A

Question58:-Which of the following statements is/are correct about pulmonary function values ?

I. FRC is also known as relaxation volume
II. Dead space and residual volume are functionally same
III. Closing volume is the volume at which airways in the lower dependant parts of lung
begin to close
IV. Residual volume is the volume of air remaining in the lung after a normal expiration

A:-I and III are correct

B:-II and IV are correct

C:-II and III are correct

D:-I and IV are correct

Correct Answer:- Option-A

Question59:-All the following statements about alveolar gas exchange is correct except

A:-The composition of alveolar gas remains constant at rest

B:-Transfer of CO from alveoli to pulmonary capillary is diffusion limited

C:-Transfer of N_2O is perfusion limited

D:-Diffusing capacity of $CO_2$is less than that of O_2

Correct Answer:- Option-D

Question60:-Regarding chemical regulation of respiration which is correct ?

A:-Most important among the chemical regulators of respiration is hypoxia

B:-In denervation of carotid bodies ventilatory response to arterial PCO_2 is affected by 30 to 35% only

C:-Excitation of respiratory centre by CO_2 declines after 1 to 2 days because of depletion of neurotransmitters

D:-Chronic breathing of low O_2 has no effect on ventilation

Correct Answer:- Option-B

Question61:-Which of the following is not correct about Oxyhemoglobin Dissociation curve ?

A:-The steep portion shows that a large amount of O_2 is released from oxy Hb with a small change in PO_2

B:-The clinical significance of the flat portion is that a drop in PO_2 over a wide range of partial pressures has only minimal effect on Hb saturation

C:-The Hb saturation at a partial pressure of 50 mmHg is known as P_{50}

D:-At O_2 partial pressures below 60 mm Hg shifts in the oxyhemoglobin dissociation curve can influence O_2 transport

Correct Answer:- Option-C

Question62:-Which one is correctly matched ?

a) Anemic hypoxia	e) Respiratory centre depression
b) Hyoxic hyoxia	f) Cyanotic congenital heart disease
c) Stagnant hypoxia	g) cyanide poisoning
d) Histotoxic hypoxia	h) Congestive cardiac failure
	i) Sulfide poisoning
	j) CO poisoning

A:-(a) and (e)

B:-(b) and (i)

C:-(c) and (h)

D:-(d) and (f)

Correct Answer:- Option-C

Question63:-Which of the following statements about O_2 debt after severe exercise is/are true ?

I. This will last for about 90 minutes

II. The stimulus to increased ventilation during this period is increased PCO_2 and decreased PO_2

III. Elevated arterial H+ ion concentration due to lactic acidosis causes increased ventilation

IV. ATP and phosphoryl creatin resynthesis also occur during this time

A:-Only I is correct

B:-I, II and III are correct

C:-II and IV are correct

D:-I, III and IV are correct

Correct Answer:- Option-D

Question64:-Which is true about N_2 Narcosis ?

A:-Symptoms start at 33ft of depth in sea

B:-Main symptom is breathlessness

C:-Alteration of ion conductance due to dissolved N_2 in membrane lipids produces symptoms

D:-Serious long term effects persist

Correct Answer:- Option-C

Question65:-Which statement is false about Chloride shift ?

A:-Also known as Hamburger phenomenon

B:-Cause for increased Cl^-content of venous blood

C:-Is a rapid process

D:-Increases haematocrit of venous blood by 0.5% as compared to arterial blood

Correct Answer:- Option-D

Question66:-Which statement is true about enteric nervous system ?

A:-Meissner's plexus is located between outer circular and inner longitudinal layers of smooth muscles

B:-Auerbach's plexus is situated in submucosa

C:-Intact autonomic innervation is not essential for its function

D:-They integrate only the motor activities of gut

Correct Answer:- Option-C

Question67:-Which one is correctly matched ?
a) Gastrin e) First discovered hormone
b) Secretin f) Trophic action on gastric mucosa
c) CCK g) Stimulation of gastric acid and pepsin secretion
d) Somatostatin h) Inhibits secretion of gastrin
i) Causes contraction of smooth muscles of stomach and intestine between meals

A:-(a) and (i)

B:-(d) and (h)

C:-(b) and (g)

D:-(c) and (f)

Correct Answer:- Option-B

Question68:-Which of the following increases concentration of urine ?

A:-High protein diet

B:-High medullary blood flow

C:-Short loop of Henle

D:-Increased luminal flow in loop of Henle and collecting duct

Correct Answer:- Option-A

Question69:-Which of the given factors do not increase renin secretion ?

1. Psychological stimuli
2. Prostaglandins
3. Diuretics
4. Hypernatremia

A:-1 and 2

B:-1, 2 and 3

C:-4 Only

D:-1, 3 and 4

Correct Answer:- Option-C

Question70:-The main mechanism that stimulates sweat glands during exercise is

A:-Descending cortical neural pathways

B:-Special reflex action

C:-Autonomic nerves

D:-Circulating Catecholamines

Correct Answer:- Option-D

Question71:-Which hormone secretion is not under the regulation of positive feedback mechanism ?

A:-Melatonin

B:-LH surge

C:-Vasopressin

D:-Oxytocin

Correct Answer:- Option-C

Question72:-The process of sex differentiation starts from which week of intrauterine life

A:-Third week

B:-Sixth week

C:-Seventh week

D:-Eighth week

Correct Answer:- Option-B

Question73:-A tuberculosis patient brought to the casualty with muscle cramps and nausea. Lab results show Plasma sodium concentration of 115 meq/l, serum osmolarity of 150 mosmol/kg, urine osmolarity of 2000 mosmo/kg, urine sodium of 500 meq/day and a normal blood volume. These clinical findings are consistent with which of the following ?

A:-Increased secretion of aldosterone

B:-Decreased secretion of aldosterone

C:-Increased secretion of Antidiuretic hormone

D:-Decreased secretion of Antidiuretic hormone

Correct Answer:- Option-C

Question74:-Which is not true regarding spermatogenesis ?

A:-Maturation of spermatogonia into mature sperms begins at puberty

B:-Hormonal regulation of spermatogenesis is the pulsatile release of GnRH and subsequent involvement of FSH and LH at their target cells

C:-Teststerone secretion by Leydig cells is stimulated by FSH

D:-Testes are normally maintained at a temperature of 32 degree Celsius

Correct Answer:- Option-C

Question75:-A 50 yr old smoker complaints of the inability to smell. Which of the following is the most likely cause of anosmia ?

A:-Neoplasm of inferior frontal region

B:-Carbon monoxide induced change in the olfactory nerves

C:-Metaplasia of the olfactory epithelium

D:-Nicotine induced change to the olfactory nerves

Correct Answer:- Option-C

Question76:-Which tract is not involved in the regulation of posture ?

A:-Reticulospinal tract

B:-Vestibulospinal tract

C:-Rubrospinal tract

D:-Tectospinal tract

Correct Answer:- Option-C

Question77:-A 12 yr old boy with Duchenne muscular dystrophy has genetic mutation of the gene dystrophin. Dystrophin binds

A:-Actin to Zlines

B:-Zline to Mline

C:-Zline to sarcolemma

D:-Actin to β dystroglycan

Correct Answer:- Option-D

Question78:-Nernst equation helps to calculate

A:-Equilibrium potential for an ion

B:-Potential developed due to movement of freely diffusible ions across the membrane

C:-Diffusion rate of the substance

D:-Maintain the cell volume and shape

Correct Answer:- Option-A

Question79:-Cyclic GMP mediates the action of all except

A:-ANP

B:-EDRF

C:-NO

D:-EGF

Correct Answer:- Option-D

Question80:-A patient with Klinefelter syndrome presents with seminiferous tubule dysgenesis, Sertoli cells in the seminiferous tubules help in

A:-Secretion of testosterone into the tubular lumen

B:-Maintenance of blood testis barrier

C:-Secretion of LH into the tubular lumen

D:-Synthesis of oestrogen after puberty

Correct Answer:- Option-B

Question81:-Daily wage workers in a factory went on a hunger strike demanding hike in their salary. After three days of starvation, which of the following likely to manifest ?

A:-Decreased lipolysis

B:-Increased urinary excretion of nitrogen

C:-Decreased gluconeogenesis

D:-Increased glucose utilization by brain

Correct Answer:- Option-C

Question82:-A young women diagnosed with anorexia nervosa presents with significant weight loss and a menorrhoea. Which of the following hormone cause development of ovarian follicles prior to ovulation ?

A:-Human chorionic gonadotrophin

B:-Estradiol

C:-Follicle stimulating hormone

D:-Luteinising hormone

Correct Answer:- Option-C

Question83:-Which of the following is true about estrogen ?

A:-Cause cervical mucus to become thicker and more acideic

B:-Stimulate ductal proliferation in the breast

C:-Retard bone density

D:-Decrease libido in humans

Correct Answer:- Option-B

Question84:-Which is true for sick euthyroid syndrome ?

A:-TSH initiates thyroid hormone secretion via activation of nuclear receptors in thyroid gland cells

B:-Secretion of TSH is regulated primarily by the pituitary level of T3

C:-TSH is secreted by posterior pituitary

D:-T4 is the physiologically active hormone

Correct Answer:- Option-B

Question85:-Physiological changes that occur during pregnancy include

A:-Decreased production of cortisol and corticosterone

B:-Increased hematocrit

C:-Hypercapnoea

D:-Reduced circulating gonadotrophin levels

Correct Answer:- Option-D

Question86:-After fertilization the day on which maternal HCG first appears in plasma ?

A:-Second day

B:-Sixth day

C:-Twelfth day

D:-Twenty first day

Correct Answer:- Option-B

Question87:-The geniculostriate fibres from lateral geniculate body form

A:-Magnocellular pathway that carries signals for the detection of colour vision, shape and fine details

B:-Mangnocellular pathway that is concerned with detection of movement, depth, flicker

C:-Most of the geniculostriate fibres arise from layer 2 and 3 of visual cortex

D:-Fibres from interlaminar region arise from M ganglion cells

Correct Answer:- Option-B

Question88:-In Uppermotor neuron paralysis, spasticity occurs due to

A:-Stimulation of corticoreticular pathway

B:-Stimulation of reticulospinal tract

C:-Inhibition of discharge of motor neuron pool

D:-Interruption of corticospinal fibres alone

Correct Answer:- Option-B

Question89:-Which is true regarding Ankylosing spondylitis ?

A:-It is not associated with HLAB27 antigen

B:-It affects women more than men

C:-Peak onset is 20 to 30 yrs

D:-Osteoporosis is not seen

Correct Answer:- Option-C

Question90:-All are examples of regulated exocytosis except

A:-Rapid secretion of hormones

B:-Secretion of mucus from goblet cells

C:-Secretion of digestive enzymes

D:-Secretion of neurotransmitters

Correct Answer:- Option-B

Question91:-Which reflex is lost in decorticate animal ?

A:-Stretch reflex

B:-Placing and Hopping reaction

C:-Tonic neck reflex

D:-Tonic labyrinthine reflex

Correct Answer:- Option-B

Question92:-Which is not true about vestibular apparatus, when the head slowly rotates to right ?

A:-Both eyes are rotated to left

B:-The stereocilia on the hair cells in the right horizontal semicircular canal bend towards the kinocilium

C:-The hair cells in the left horizontal semicircular canals become depolarized

D:-The endolymph in both semicircular canals move in the same direction

Correct Answer:- Option-C

Question93:-Following are the features of Brown Sequard syndrome except

A:-Dorsal column sensations are lost on the same side of the lesion

B:-Pain and thermal sensations are lost on the opposite side of the lesion

C:-Paresis and spasticity of the muscles of the opposite side of the lesion

D:-Occurs in hemisection of spinal cord

Correct Answer:- Option-C

Question94:-A 80 yr old man who develops septicaemia with multiorgan failure is on continuous hemodialysis. Which of the following will increase the diffusive clearance of the solutes across the dialysis membrane ?

A:-Decreased lipid solubility of the solutes

B:-Increased thickness of the membrane

C:-Increased area of the membrane

D:-Increased size of the solutes

Correct Answer:- Option-C

Question95:-Hormone replacement therapy in postmenopausal women has the following effects except

A:-Reduce the incidence of hot flushes

B:-Increase the risk of coronary artery disease and stroke

C:-Increase the risk of breast cancer

D:-Increase the risk of osteoporosis

Correct Answer:- Option-D

Question96:-The main function of basal ganglia is

A:-Skilled movements

B:-Coordination of movements

C:-Planning and programming of movements

D:-Equilibrium

Correct Answer:- Option-C

Question97:-The hypothalamic areas present outside the blood brain barrier are except

A:-Organumvasculosum of lamina terminalis

B:-Area postrema

C:-Lateral preoptic area

D:-Subfornical region

Correct Answer:- Option-C

Question98:-A 70 yr old man is evaluated after a stroke found to suffer from cerebellar lesions. He suffers from the following clinical features except

A:-Dysmetria

B:-Paralysis

C:-Decomposition of movement

D:-No sensory deficit

Correct Answer:- Option-B

Question99:-Which of the following best describes Turners syndrome ?

A:-The most common karyotype is 45xx, 46xx

B:-Horseshoe kidney frequently observed

C:-Tall stature

D:-It is not associated with hypothyroidism

Correct Answer:- Option-B

Question100:-Which is true about implantation of zygote in the uterine wall ?

A:-Precedes the formation of the zona pellucida

B:-Occurs 3 to 5 days after fertilization

C:-Implantation occurs in the stage of blastocyst

D:-Oestrogen prepares the endometrium for implantation

Correct Answer:- Option-C