

PROVISIONAL ANSWER KEY

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Question1:-Which state has become India's first state to bring a law against 'sextortion'?

- A:-Himachal Pradesh
- B:-Jammu and Kashmir
- C:-Manipur
- D:-Kerala

Correct Answer:- Option-B

Question2:-The national milk day (NMD-2018) is celebrated on which of the following dates in India?

- A:-November 26
- B:-December 16
- C:-January 24
- D:-February 2

Correct Answer:- Option-A

Question3:-India's longest rail-cum road bridge is located in which of the following states?

- A:-Arunachal Pradesh
- B:-Nagaland
- C:-Assam
- D:-Meghalaya

Correct Answer:- Option-C

Question4:-Auther of "Ananda Sutram"

- A:-Sreenarayana Guru
- B:-V T Bhatathirippad
- C:-Poikayil Yohannan
- D:-Brahmananda Sivayogi

Correct Answer:- Option-D

Question5:-Who is known as Muthukutti Swami?

- A:-Vaikunda Swamikal
- B:-Chattambi Swamikal
- C:-Swami Vagbhatananda
- D:-Swami Agamananda

Correct Answer:- Option-A

Question6:-The newspaper Sujana nadhini started from Paravur in

A:-1896

B:-1891

C:-1887

D:-1889

Correct Answer:- Option-B

Question7:-Ruler of Travancore during the time of Vaikkam Sathyagraha

A:-Gouri Parvathi Bai

B:-Sri Mulam Tirunal

C:-Ayilyam Tirunal

D:-Regent Setu Lakshmi Bai

Correct Answer:- Option-D

Question8:-Who was the captain of Guruvayur Temple entry campaign?

A:-T. Subramanian Tirumumbu

B:-K. Kelappan

C:-P. Krishna Pillai

D:-Mannathu Padmanabhan

Correct Answer:- Option-A

Question9:-Who entered on an indefinite fast before Guruvayur temple on Sep 21, 1932 in connection with Guruvayur

A:-A.K. Gopalan

B:-Mannathu Padmanabhan

C:-K. Kelappan

D:-P. Krishna Pillai

Correct Answer:- Option-C

Question10:-Yoga Kshema movement started in

A:-1908

B:-1904

C:-1901

D:-1907

Correct Answer:- Option-A

Question11:-Where did Sree Narayana Guru installed the idol of Saraswathi?

A:-Aruvipuram

B:-Varkala

C:-Alwaye

D:-Karamukku

Correct Answer:- Option-B

Question12:-Who opened an English school at Mattancheri in 1818?

A:-Rev Mead

B:-Dr. Gundert

C:-W.T. Ringletaube

D:-Rev. J. Dawson

Correct Answer:- Option-D

Question13:-Who abolished the devadasi system in temples of south Travancore?

A:-Sethu Lakshmi Bai

B:-Gouri Parvathi Bai

C:-Sri Chitra Tirunal

D:-Uthradam Thirunal

Correct Answer:- Option-A

Question14:-Tellicherry Brennen School started in

A:-1862

B:-1852

C:-1886

D:-1902

Correct Answer:- Option-A

Question15:-Ayyankali was called pulayaraja by

A:-B.R. Ambedkar

B:-M.K. Gandhi

C:-Sreenarayana Guru

D:-G.P. Pillai

Correct Answer:- Option-B

Question16:-Author of the novel "Premamrutham"

A:-C.V. Raman Pillai

B:-P. Kesavdev

C:-Thakazhi Sivasankara Pillai

D:-S.K. Pottekkad

Correct Answer:- Option-A

Question17:-Who was the provisional president of constituent assembly in India?

A:-Dr. B.R. Ambedkar

B:-Dr. Rajendra Prasad

C:-Sardar Vallabhai Pattel

D:-Dr. Sachidananda Sinha

Correct Answer:- Option-D

Question18:-In which year was the right to property removed from fundamental rights of Indian Constitution?

A:-1978

B:-1973

C:-1969

D:-1979

Correct Answer:- Option-A

Question19:-Which among the following amendment of Indian Constitution replaced the right to property from fun

A:-44th amendment

B:-43rd amendment

C:-42nd amendment

D:-46th amendment

Correct Answer:- Option-A

Question20:-Fundamental duties of citizens were added to the Indian Constitution in

A:-1974

B:-1976

C:-1978

D:-1972

Correct Answer:- Option-B

Question21:-Which of the following proteins are called as folding proteins?

A:-Perforins

B:-Chaperons

C:-Tubulins

D:-Clathrins

Correct Answer:- Option-B

Question22:-Enzyme which converts testosterone to estradiol in ovarian follicle is

A:-Isomerase

B:-Dehydrogenase

C:-Aromatase

D:-Transferase

Correct Answer:- Option-C

Question23:-Fusion of sperm with membrane of ovum is mediated by

A:-Acrosin

B:-Fertilin

C:-Catsper

D:-Inhibin

Correct Answer:- Option-B

Question24:-The main excitatory neurotransmitter in central nervous system is

A:-Glutamate

B:-Substance P

C:-Enkephalin

D:-Serotonin

Correct Answer:- Option-A

Question25:-Bicarbonate reabsorption is maximum in

A:-Medullary collecting duct

B:-Distal convoluted tubule

C:-Proximal convoluted tubule

D:-Cortical collecting duct

Correct Answer:- Option-C

Question26:-Fibres from ipsilateral hemiretina project in which layer of lateral geniculate body

A:-1,4,6

B:-2,3,5

C:-1,3,6

D:-2,4,6

Correct Answer:- Option-B

Question27:-All of the following are dopamine agonists EXCEPT

A:-Bromocriptine

B:-Apomorphine

C:-Clozapine

D:-Pramiprexole

Correct Answer:- Option-C

Question28:-The inclusion bodies seen in neurons of parkinsonism patients are

A:-Lewy bodies

B:-Russell bodies

C:-Negri bodies

D:-Schaumann bodies

Correct Answer:- Option-A

Question29:-The substance that is present both in serum and plasma is

A:-Prothrombin

B:-Antihaemophilic factor A

C:-Fibrinogen

D:-Proconvertin

Correct Answer:- Option-D

Question30:-An agent which causes contraction of mesangial cells is

A:-Atrial natriuretic peptide

B:-Dopamine

C:-cAMP

D:-Endothelins

Correct Answer:- Option-D

Question31:-Cerebellar nystagmus occurs due to damage to

A:-Anterior lobe

B:-Flocculonodular lobe

C:-Posterior lobe

D:-Vermis

Correct Answer:- Option-B

Question32:-Type of cell NOT present in olfactory bulb

A:-Mitral cell

B:-Granule cell

C:-Tufted cell

D:-Horizontal cell

Correct Answer:- Option-D

Question33:-Which of the following is increased when radius of resistance vessels is increased?

A:-Haematocrit

B:-Diastolic blood pressure

C:-Capillary blood flow

D:-Systolic blood pressure

Correct Answer:- Option-C

Question34:-Which of the following is NOT a cause of edema?

A:-Decreased capillary permeability

B:-Decreased plasma protein

C:-Increased venous pressure

D:-Inadequate lymph flow

Correct Answer:- Option-A

Question35:-Dicrotic notch in aortic pressure curve is caused by closure of

A:-Tricuspid valve

B:-Pulmonary valve

C:-Mitral valve

D:-Aortic valve

Correct Answer:- Option-D

Question36:-Fourth heart sounds is caused by

A:-Closure of aortic and pulmonary valve

B:-Ventricular filling

C:-Closure of mitral and tricuspid valve

D:-Vibrations in ventricular wall during systole

Correct Answer:- Option-B

Question37:-Largest volume of gas that can be moved into and out of the lungs in one minute by voluntary effort is

A:-Respiratory minute volume

B:-Forced vital capacity

C:-Maximum voluntary ventilation

D:-Total lung capacity

Correct Answer:- Option-C

Question38:-Which of the following plays a major role in vasodilatation of penis during erection?

A:-Nitric oxide

B:-Vasopressin

C:-Bradykinin

D:-Prostaglandin

Correct Answer:- Option-A

Question39:-Sensory system codes for the following attributes of a stimulus EXCEPT

A:-Modality

B:-Sensitization

C:-Intensity

D:-Location

Correct Answer:- Option-B

Question40:-Which of the following is NOT a characteristic of smooth muscle?

A:-Slow cycling of myosin cross bridges

B:-Low energy requirement to sustain contraction

C:-Stress relaxation

D:-Maximum force of contraction is less than that of skeletal muscle

Correct Answer:- Option-D

Question41:-Duration of AV nodal delay is

A:-0.1 seconds

B:-0.3 seconds

C:-0.5 seconds

D:-0.7 seconds

Correct Answer:- Option-A

Question42:-Second polar body is extruded

A:-At the time of ovulation

B:-At the time of LH surge

C:-At the time of fertilization of the ovum

D:-48 hours prior to ovulation

Correct Answer:- Option-C

Question43:-Compound action potential is the property of

A:-Sensory nerve

B:-Mixed nerve

C:-Single nerve fibre

D:-Motor nerve

Correct Answer:- Option-B

Question44:-The wheal in triple response occurs due to

A:-increased capillary permeability

B:-arteriolar dilation

C:-axon reflex

D:-contraction of precapillary sphincters

Correct Answer:- Option-A

Question45:-Which of the following has the highest pH?

A:-Saliva

B:-Gastric juice

C:-Gall bladder bile

D:-Pancreatic juice

Correct Answer:- Option-D

Question46:-EEG rhythm with lowest frequency is

A:-Alpha

B:-Beta

C:-Delta

D:-Theta

Correct Answer:- Option-C

Question47:-Effective renal plasma flow in humans is

A:-425 ml/min

B:-525 ml/min

C:-625 ml/min

D:-725 ml/min

Correct Answer:- Option-C

Question48:-Group A nerve fibres are most susceptible to

A:-Pressure

B:-Hypoxia

C:-Temperature

D:-Local anaesthetics

Correct Answer:- Option-A

Question49:-Which of the following is a peptide hormone?

A:-Estrogen

B:-Parathormone

C:-Thyroxine

D:-Cortisol

Correct Answer:- Option-B

Question50:-Sperms persist in female genital tract for

A:-1-2 minutes

B:-1-2 hours

C:-1-2 days

D:-1-2 weeks

Correct Answer:- Option-C

Question51:-Water reabsorption is maximum from

A:-duodenum

B:-colon

C:-ileum

D:-jejunum

Correct Answer:- Option-D

Question52:-The most abundant cell type in Islets of Langerhans is

A:-A

B:-B

C:-D

D:-F

Correct Answer:- Option-A

Question53:-Work done in quiet breathing is

A:-0.1 kg-m/min

B:-1.2 kg-m/min

C:-0.5 kg-m/min

D:-3.5 kg-m/min

Correct Answer:- Option-C

Question54:-Conversion of fibrinogen to fibrin is catalysed by

A:-Thromboplastin

B:-Stuart Prower Factor

C:-Proconvertin

D:-Thrombin

Correct Answer:- Option-D

Question55:-Which of the following causes a right shift of oxygen dissociation curve?

A:-Decrease in body temperature

B:-Foetal haemoglobin

C:-Myoglobin

D:-Decrease in blood pH

Correct Answer:- Option-D

Question56:-Which of the following is NOT an example of syndromic deafness?

A:-Liddle's syndrome

B:-Pendred syndrome

C:-Long QT syndrome

D:-Bartter syndrome

Correct Answer:- Option-A

Question57:-Which sensation is not lost on the same side of lesion in Brown Sequard Syndrome?

A:-Position sense

B:-Vibration

C:-Temperature

D:-Touch

Correct Answer:- Option-C

Question58:-Heavy water is used to determine

A:-Intracellular fluid volume

B:-Extracellular fluid volume

C:-Plasma volume

D:-Total body water

Correct Answer:- Option-D

Question59:-Spermatozoa acquire motility in

A:-Vas deferens

B:-Epididymis

C:-Rete testis

D:-Prostate

Correct Answer:- Option-B

Question60:-Functional residual capacity in male is

A:-2.2 L

B:-3.2 L

C:-4.2 L

D:-5.2 L

Correct Answer:- Option-A

Question61:-Glial cells which help in making Blood brain barrier are

A:-Oligo dendrocytes

B:-Schwann cells

C:-Astrocytes

D:-Microglia

Correct Answer:- Option-C

Question62:-Weber Fechner law deals with

A:-Receptive field organization

B:-Intensity discrimination

C:-Tactile localization

D:-None

Correct Answer:- Option-B

Question63:-Which of the following is an Orexigenic factor?

A:-Corticotropin releasing hormone

B:-Glucagon

C:-Leptin

D:-Neuropeptide Y

Correct Answer:- Option-D

Question64:-Stokes Adams syndrome is loss of consciousness following

A:-Ventricular fibrillation

B:-Complete heart block

C:-Myocardial infarction

D:-Ventricular tachycardia

Correct Answer:- Option-B

Question65:-Effect of storage of blood on RBCs are all EXCEPT

A:-RBCs become spherical

B:-Depletion of ATP

C:-Loss of membrane stability

D:-Increased glycolysis

Correct Answer:- Option-D

Question66:-Prosopagnosia is the inability to

A:-Draw straight lines

B:-Recognize faces

C:-Count in order

D:-Perceive pain

Correct Answer:- Option-B

Question67:-Which of the following is facilitatory to stretch reflex?

A:-Vestibular nucleus

B:-Cerebellum

C:-Motor cortex

D:-Basal ganglia

Correct Answer:- Option-A

Question68:-Betz cells are found in

A:-Thalamus

B:-Hypothalamus

C:-Motor cortex

D:-Sensory cortex

Correct Answer:- Option-C

Question69:-Gastric acid secretion is stimulated by all EXCEPT

A:-Acetyl choline

B:-Histamine

C:-Secretin

D:-Gastrin

Correct Answer:- Option-C

Question70:-Lesion in angular gyrus produces

A:-Motor aphasia

B:-Sensory aphasia

C:-Conductive aphasia

D:-Anomic aphasia

Correct Answer:- Option-D

Question71:-The blobs of visual cortex are associated with

A:-Colour processing

B:-Orientation

C:-Ocular movements

D:-Ocular dominance

Correct Answer:- Option-A

Question72:-Which of the following is an example of a trinucleotide repeat disease?

A:-Wilson's disease

B:-Cystic fibrosis

C:-Hereditary spherocytosis

D:-Huntington's disease

Correct Answer:- Option-D

Question73:-Muscle weakness caused by antibodies against calcium channels in nerve endings at neuromuscular junction

A:-Myasthenia gravis

B:-Lambert Eaton syndrome

C:-Multiple sclerosis

D:-Muscular dystrophy

Correct Answer:- Option-B

Question74:-K cells of intestine secrete

A:-Secretin

B:-Vasoactive Intestinal Peptide

C:-Gastric Inhibitory Peptide

D:-Cholecystokinin

Correct Answer:- Option-C

Question75:-All are produced by kidney EXCEPT

A:-Vitamin D

B:-Renin

C:-Erythropoietin

D:-Aldosterone

Correct Answer:- Option-D

Question76:-The principal buffer in interstitial fluid is

A:-Carbonic acid

B:-Phosphate

C:-Haemoglobin

D:-Ammonia

Correct Answer:- Option-A

Question77:-Blood flow is almost always turbulent when Reynold's number is more than

A:-2000

B:-3000

C:-4000

D:-5000

Correct Answer:- Option-B

Question78:-Respiratory burst in neutrophil is due to

A:-NADH oxidase

B:-Elastase

C:-Myeloperoxidase

D:-NADPH oxidase

Correct Answer:- Option-D

Question79:-Cholagogues are substances which cause

A:-Increases biliary secretion from liver

- B:-Neutralizes acid chyme
 - C:-Contraction of gall bladder
 - D:-Helps in absorption of fat soluble vitamins
- Correct Answer:- Option-C

Question80:-Bicarbonate in gastric mucosal barrier is secreted from

- A:-Chief cells
- B:-Oxyntic cells
- C:-Surface mucosal cells
- D:-Neck cells

Correct Answer:- Option-C

Question81:-Mechanism by which digitalis increases myocardial contractility is by

- A:-Inhibiting sodium potassium pump
- B:-Activating protein kinase
- C:-Decreasing adrenaline levels in myocardium
- D:-Decreasing break down of Camp

Correct Answer:- Option-A

Question82:-Migrating motor complex is initiated by

- A:-Guanylin
- B:-Motilin
- C:-Peptide YY
- D:-Somatostatin

Correct Answer:- Option-B

Question83:-Fluctuations in blood pressure synchronized with respiration are

- A:-Traube Hering Waves
- B:-Mayer waves
- C:-Slow waves
- D:-Gamma oscillations

Correct Answer:- Option-A

Question84:-Example of a condition which cause distributive shock is

- A:-Hemorrhage
- B:-Burns
- C:-Anaphylaxis
- D:-Tension pneumothorax

Correct Answer:- Option-C

Question85:-Hyperbaric oxygen therapy is of no use in

- A:-Carbon monoxide poisoning
- B:-Gas gangrene
- C:-Diabetic leg ulcer
- D:-Congestive cardiac failure

Correct Answer:- Option-D

Question86:-During exercise, arterio venous oxygen difference

- A:-Increases
- B:-First decreases then increases
- C:-Decreases
- D:-Remains same

Correct Answer:- Option-A

Question87:-The first urge to pass urine is felt as urinary bladder volume of

- A:-100 ml
- B:-150 ml
- C:-250 ml
- D:-300 ml

Correct Answer:- Option-B

Question88:-All of the following are effects of prolonged stay in space EXCEPT

- A:-Decrease in red cell mass
- B:-Loss of bone mass
- C:-Increase in blood volume
- D:-Decrease in muscle strength

Correct Answer:- Option-C

Question89:-Which of the following diuretic acts on proximal tubule?

- A:-Spironolactone
- B:-Amiloride
- C:-Frusemide
- D:-Acetazolamide

Correct Answer:- Option-D

Question90:-Which of the following increases extracellular potassium concentration?

- A:-Insulin
- B:-Aldosterone
- C:-Alkalosis
- D:-Severe exercise

Correct Answer:- Option-D

Question91:-Which of the following is NOT a component of Papez circuit?

- A:-Cingulate gyrus
- B:-Mammillary body
- C:-Posterior thalamic nucleus
- D:-Hippocampus

Correct Answer:- Option-C

Question92:-A mutation in KALIG1 gene is seen in

- A:-Kartagener's syndrome
- B:-Kallmann syndrome
- C:-Klinefelter's syndrome

D:-Kluver Bucy syndrome

Correct Answer:- Option-B

Question93:-The protein which connects Z line to M line and provides scaffolding for sarcomere is

A:-Titin

B:-Desmin

C:-Actinin

D:-Troponin

Correct Answer:- Option-A

Question94:-The average arm to tongue circulation time is

A:-5 seconds

B:-10 seconds

C:-15 seconds

D:-20 second

Correct Answer:- Option-C

Question95:-Human Chorionic Gonadotropin acts on

A:-LH receptor

B:-FSH receptor

C:-TSH receptor

D:-ACTH receptor

Correct Answer:- Option-A

Question96:-Effect of deafferentation of bladder is

A:-Shrunken and hypertrophied wall

B:-Spastic with hyperactive voiding reflex

C:-Overfilled with dribbling

D:-Distended, thin walled and hypotonic

Correct Answer:- Option-D

Question97:-The diluting segment of nephron is

A:-Proximal convoluted tubule

B:-Thick ascending limb of loop of Henle

C:-Descending limb of loop of Henle

D:-Medullary collecting duct

Correct Answer:- Option-B

Question98:-Oral contraceptive pills act by

A:-Inhibiting ovulation

B:-Decreasing motility of sperms

C:-Spermicidal action

D:-Increasing motility of fallopian tubes

Correct Answer:- Option-A

Question99:-The Poiseuille Hagen formula calculates relation among the following EXCEPT

A:-Flow in a narrow tube

B:-pH of blood

C:-Radius of the tube

D:-Viscosity of blood

Correct Answer:- Option-B

Question100:-Gap junctions are made up of proteins called

A:-Connexons

B:-Caspases

C:-Dyneins

D:-Cadherins

Correct Answer:- Option-A