

# PROVISIONAL ANSWER KEY

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Alphacode	A

Question1:-"Treatment of Thiyyas in Travancore" is a book written by

- A:-Dr. K. N. Panikkar
  - B:-T. K. Raveendran
  - C:-Dr. Palpu
  - D:-P. K. Gopalakrishnan
- Correct Answer:- Option-C

Question2:-Which Article of the Constitution of India deals with the ordinance powers of the President of India ?

- A:-122
  - B:-123
  - C:-124
  - D:-125
- Correct Answer:- Option-B

Question3:-Privy purse was abolished during the Prime Ministership of Indira Gandhi through the \_\_\_\_\_ amendment of the Constitution of India.

- A:-24
  - B:-25
  - C:-26
  - D:-27
- Correct Answer:- Option-C

Question4:-Who led the struggle against the formation of the district of Malappuram in 1968 ?

- A:-K. Karunakaran
  - B:-R. Shankar
  - C:-Mannath Padmanabhan
  - D:-K. Kelappan
- Correct Answer:- Option-D

Question5:-"With Malice-Towards one and all" was a column written by

- A:-Kushwant Singh
  - B:-Kuldip Nayyar
  - C:-Praful Bidwai
  - D:-Utsa Patnaik
- Correct Answer:- Option-A

Question6:-"Pattini Jatha" by A. K. Gopalan was in the year

- A:-1934
  - B:-1935
  - C:-1936
  - D:-1937
- Correct Answer:- Option-C

Question7:-"Unbowed : A memoir" is the autobiography written by

- A:-Kiran Bethi
  - B:-Medha Patkar
  - C:-Arundhati Roy
  - D:-Vankai Matai
- Correct Answer:- Option-D

Question8:-Who is known as "Kerala Ibsen" ?

- A:-N. Krishna Pillai
  - B:-M. T. Vasudevan Nair
  - C:-Thakazhy
  - D:-K. T. Mohammed
- Correct Answer:- Option-A

Question9:-How many languages are included in the 8<sup>th</sup> schedule of the Indian Constitution ?

A:-20

B:-21

C:-22

D:-23

Correct Answer:- Option-C

Question10:-Last Diwan of Travancore

A:-P. G. N. Unnithan

B:-P. Rajagopalachari

C:-C. P. Ramaswami Iyer

D:-R. K. Shanmukhan Chetty

Correct Answer:- Option-A

Question11:-Kuruva Island is situated in \_\_\_\_\_ river in Kerala.

A:-Chaliyar

B:-Bhavani

C:-Kabani

D:-Pambar

Correct Answer:- Option-C

Question12:-"Malayala Rajyam" is a book written by

A:-Sahodaran Ayyappan

B:-Dr. Herman Gundertt

C:-Ramakrishna Pillai

D:-C. Krishnan

Correct Answer:- Option-B

Question13:-"Don't be Evil" is the motto of

A:-Google

B:-LIC

C:-Indian Navy

D:-Coastal Guard of India

Correct Answer:- Option-A

Question14:-First Malayali to become the governor of an Indian State.

A:-K. K. Viswanathan

B:-Pattom Thanu Pillai

C:-V. P. Menon

D:-M. M. Jacob

Correct Answer:- Option-C

Question15:-First Director of Kerala Bhasha Institute.

A:-K. M. Panikkar

B:-N. V. Krishna Variar

C:-Joseph Mundasseri

D:-D. C. Kizhakkemuri

Correct Answer:- Option-B

Question16:-Malayala Manorama was started publishing as a Newspaper in the year

A:-1887

B:-1888

C:-1898

D:-1897

Correct Answer:- Option-B

Question17:-Whose birthday is celebrated as Vayana Dinam in Kerala ?

A:-P. N. Panikkar

B:-K. M. Panikkar

C:-Joseph Mundasseri

D:-N. V. Krishna Variar

Correct Answer:- Option-A

Question18:-Which Article of the Indian Constitution deals with amendment of the constitution ?

A:-365

B:-366

C:-367

D:-368

Correct Answer:- Option-D

Question19:-"Onnekal Kodi Malayalikal" is a book written by

- A:-Joseph Mundasseri
  - B:-A. K. Gopalan
  - C:-K. Ramakrishna Pillai
  - D:-E. M. S. Namboodirippad
- Correct Answer:- Option-D

Question20:-"Muthukulam Speach" was made by

- A:-K. Kelappan
  - B:-C. Kesavan
  - C:-Mannath Padmanabhan
  - D:-A. K. Gopalan
- Correct Answer:- Option-C

Question21:-Part of long bone ossified from primary centre.

- A:-Epiphysis
  - B:-Epiphyseal Cartilage
  - C:-Diaphysis
  - D:-Metaphysis
- Correct Answer:- Option-C

Question22:-The following are branches of Thyro cervical trunk EXCEPT

- A:-Deep cervical artery
  - B:-Transverse cervical artery
  - C:-Inferior thyroid artery
  - D:-Supra scapular artery
- Correct Answer:- Option-A

Question23:-General sensations from anterior two-third of tongue is carried by

- A:-Lingual nerve
  - B:-Glosso-pharyngeal nerve
  - C:-Chorda tympani nerve
  - D:-Lesser palatine nerve
- Correct Answer:- Option-A

Question24:-Following nerve is called Musician's nerve

- A:-Superficial branch of radial nerve
  - B:-Deep branch of ulnar nerve
  - C:-Deep branch of radial nerve
  - D:-Recurrent branch of median nerve
- Correct Answer:- Option-B

Question25:-Which of the following immunoglobulin is responsible for secondary immune response ?

- A:-IgA
  - B:-IgE
  - C:-IgG
  - D:-IgM
- Correct Answer:- Option-C

Question26:-Epinephrine is synthesized from

- A:-Glycine
  - B:-Tyrosine
  - C:-Methionine
  - D:-Tryptophan
- Correct Answer:- Option-B

Question27:-The enzyme deficient in von Gierke's disease is

- A:-Alpha Galactosidase
  - B:-Pyruvate kinase
  - C:-Glucose-6-Phosphatase
  - D:-Pyruvate dehydrogenase
- Correct Answer:- Option-C

Question28:-In sickle cell hemoglobin which of the following is correct ?

- A:-Glutamic acid is replaced by valine in the sixth position of alpha chain
- B:-Glutamine is replaced by valine in the sixth position of beta chain
- C:-Glutamine is replaced by valine in the sixth position of alpha chain
- D:-Glutamic acid is replaced by valine in the sixth position of beta chain

Correct Answer:- Option-D

Question29:-Which receptor responds to angular acceleration ?

- A:-Utricle
- B:-Saccule
- C:-Semicircular canals
- D:-Organ of Corti

Correct Answer:- Option-C

Question30:-Carotid sinus massage stops supraventricular tachycardia because

- A:-It decreases sympathetic discharge to SA node
- B:-It increases vagal discharge to SA node
- C:-It increases refractory period of ventricular myocardium
- D:-It increases vagal discharge to AV node

Correct Answer:- Option-D

Question31:-In the presence of ADH, the greatest fraction of filtered water is reabsorbed in

- A:-Proximal convoluted tubule
- B:-Loop of henle
- C:-Distal convoluted tubule
- D:-Collecting duct

Correct Answer:- Option-A

Question32:-When respiratory muscles are fully relaxed, the volume of air in the lungs is termed

- A:-Residual volume
- B:-Functional residual capacity
- C:-Expiratory reserve volume
- D:-Inspiratory reserve volume

Correct Answer:- Option-B

Question33:-The length of a stab wound corresponds to the following dimension of the penetrating blade of the knife used to stab

- A:-Width
- B:-Length
- C:-Thickness
- D:-Shape of tip

Correct Answer:- Option-A

Question34:-The ideal preservative used for the viscera for chemical analysis after a postmortem examination is

- A:-10% formalin
- B:-Saturated saline of sodium chloride
- C:-Rectified spirit
- D:-Sodium fluoride

Correct Answer:- Option-C

Question35:-Police inquest is conducted according to which section of Criminal Procedure Code ?

- A:-174
- B:-175
- C:-176
- D:-178

Correct Answer:- Option-A

Question36:-MERMER is the term related to

- A:-Polygraph examination
- B:-Brain Fingerprinting
- C:-DNA Fingerprinting
- D:-Barrbody analysis

Correct Answer:- Option-B

Question37:-For infection of mosquito, the blood of human carrier (malaria) must contain atleast

- A:-12 gametocytes/ $\mu$ l
- B:-16 gametocytes/ $\mu$ l
- C:-24 gametocytes/ $\mu$ l
- D:-48 gametocytes/ $\mu$ l

Correct Answer:- Option-A

Question38:-All of the following are agglutination tests except

- A:-Widal test
- B:-RPR test

C:-Coagulase test

D:-Weil Felix test

Correct Answer:- Option-B

Question39:-Disinfectant of choice in a blood spill is

A:-Gluteraldehyde

B:-Alcohol

C:-Hypochlorite

D:-Chlorhexidine

Correct Answer:- Option-C

Question40:-Pathogenesis of diphtheria is due to

A:-Invasiveness

B:-Toxin

C:-Both 1) and 2)

D:-None of the above

Correct Answer:- Option-B

Question41:-Fibrinoid necrosis is a result of

A:-Fungal infection

B:-Ischaemia

C:-Immune complexes

D:-Tuberculosis

Correct Answer:- Option-C

Question42:-The most frequent chromosomal abnormality in acute promyelocytic leukaemia is

A:-7q deletion

B:-13q deletion

C:-Reciprocal t(15 : 7) q(22 : 12)

D:-Trisomy 21

Correct Answer:- Option-C

Question43:-Beta hydroxyl butyric acid can be tested by

A:-Rothera's test

B:-Hart's test

C:-Gerhart's test

D:-Shipley's test

Correct Answer:- Option-B

Question44:-Mosaic pattern of lamellar bone is pathognomonic of

A:-Osteomalacia

B:-Osteoporosis

C:-Osteopetrosis

D:-Osteitis deformans

Correct Answer:- Option-D

Question45:-Which among the following is a CCR5 inhibitor used in the treatment of HIV infection ?

A:-Enfuvirtide

B:-Raltegravir

C:-Atazanavir

D:-Maraviroc

Correct Answer:- Option-D

Question46:-Which of the following drug cause oligospermia ?

A:-D Penicillamine

B:-Leflunomide

C:-Sulfasalazine

D:-Methotrexate

Correct Answer:- Option-C

Question47:-Selective nor adrenaline reuptake inhibitor used in Attention Deficit Hyperkinetic Disorder.

A:-Venlafaxine

B:-Atomoxetine

C:-Duloxetine

D:-Milnacipran

Correct Answer:- Option-B

Question48:-Which among the following is a pure progesterone antagonist ?

A:-Onapristone

- B:-Ulipristal
- C:-Mifepristone
- D:-Ethinodiol

Correct Answer:- Option-A

Question49:-Which is the comprehensive scheme launched in India to combat Child Trafficking by the ministry of Women and Child Development on 04/12/2007 ?

- A:-Raksha
- B:-Suraksha
- C:-Ujjwala
- D:-Snehitha

Correct Answer:- Option-C

Question50:-The Framingham heart study is a

- A:-Case control study
- B:-Cohort study
- C:-Descriptive study
- D:-Randomized Control Trial

Correct Answer:- Option-B

Question51:-All are temporary social groups except

- A:-Crowd
- B:-Mob
- C:-Herd
- D:-Band

Correct Answer:- Option-D

Question52:-Which is the most effective form of chlorine for water disinfection ?

- A:-Hydrochloric acid
- B:-Hypochlorous acid
- C:-Hypochlorite ion
- D:-Hydrogen ion

Correct Answer:- Option-B

Question53:-Refractive index of aqueous humour is

- A:-1.376
- B:-1.336
- C:-1.326
- D:-1.406

Correct Answer:- Option-B

Question54:-Method of estimating condition of refraction of eye objectively is known as

- A:-Keratometry
- B:-Ophthalmoscopy
- C:-Skiascopy
- D:-None of the above

Correct Answer:- Option-C

Question55:-Prodromal symptom of sympathetic ophthalmitis is

- A:-Coloured haloes
- B:-Transient indistinctness of near vision
- C:-Retro orbital pain
- D:-Scintillating scotomas

Correct Answer:- Option-B

Question56:-Optic nerve consists of approximately

- A:-2.1 million axons
- B:-2.5 million axons
- C:-1.2 million axons
- D:-1.8 million axons

Correct Answer:- Option-C

Question57:-Hertz is the unit used to measure

- A:-Pressure
- B:-Tone
- C:-Frequency
- D:-Wavelength

Correct Answer:- Option-C

Question58:-Methods of communication in laryngectomised patients are all except

- A:-Esophageal speech
- B:-Portex tube
- C:-Electrolarynx
- D:-Panje prosthesis

Correct Answer:- Option-B

Question59:-Landmark for endolymphatic sac is

- A:-Citelli's angle
- B:-Digastric ridge
- C:-Donaldson's line
- D:-McEwen's triangle

Correct Answer:- Option-C

Question60:-Petrositis can result in

- A:-Griesinger's syndrome
- B:-Grisel's syndrome
- C:-Gutzmann's syndrome
- D:-Gradenigo's syndrome

Correct Answer:- Option-D

Question61:-Causes of high anion gap metabolic acidosis is all except

- A:-Renal failure
- B:-Hepatic failure
- C:-Diabetic ketoacidosis
- D:-Salicylate ingestion

Correct Answer:- Option-B

Question62:-Chance of post infectious cerebellitis is highest in

- A:-Measles
- B:-Diphtheria
- C:-Chicken pox
- D:-Viral hepatitis

Correct Answer:- Option-C

Question63:-Common cause of pancytopenia include all except

- A:-PNH
- B:-SLE
- C:-Hairy cell leukemia
- D:-ITP

Correct Answer:- Option-D

Question64:-Velcro crepitations are characteristic of

- A:-COPD
- B:-Pleural effusion
- C:-Interstitial lung disease
- D:-Pneumothorax

Correct Answer:- Option-C

Question65:-Unusual in a complex partial seizure is

- A:-Bizarre delusions
- B:-Depersonalization
- C:-De Javu phenomenon
- D:-Altered level of consciousness

Correct Answer:- Option-A

Question66:-Exposure and response prevention is a principal behavioural approach in

- A:-Somatoform disorders
- B:-Bipolar affective disorders
- C:-Obsessive compulsive disorders
- D:-Schizophrenia

Correct Answer:- Option-C

Question67:-One of the founders of therapeutic community treatment approach is

- A:-Eugene Bleuler
- B:-Kurt Schneider
- C:-Elizabeth Kubler Ross
- D:-Maxwell Jones

Correct Answer:- Option-D

Question68:-Games, pastimes, stroke are words associated with

- A:-Psychodynamic psychotherapy
- B:-Transactional analysis
- C:-Cognitive behavioural therapy
- D:-Attachment theory

Correct Answer:- Option-B

Question69:-Origin of vaginal fornices is from

- A:-Mesonephric duct
- B:-Metanephric duct
- C:-Para mesonephric duct
- D:-Urogenital sinus

Correct Answer:- Option-C

Question70:-Level of serum oestradiol expected with ovarian follicular diameter of 18-19 mm is

- A:-50-150 Pg/ml
- B:-150-250 Pg/ml
- C:-250-350 Pg/ml
- D:-350-450 Pg/ml

Correct Answer:- Option-B

Question71:-Bevacizumab is

- A:-Parp inhibitor
- B:-Angiogenesis inhibitor
- C:-Drug targeting stromal cells
- D:-Immunotherapy

Correct Answer:- Option-B

Question72:-Clue cells are diagnostic of

- A:-Candida species
- B:-Gardenella vaginalis
- C:-Herpes genitalis
- D:-Human papilloma virus

Correct Answer:- Option-B

Question73:-Gottron's papules are seen in

- A:-Systemic lupus erythematosus
- B:-Dermatomyositis
- C:-Sjogren's syndrome
- D:-Rheumatoid arthritis

Correct Answer:- Option-B

Question74:-Verruca vulgaris is caused by

- A:-Human papilloma virus
- B:-Herpes simplex virus
- C:-Pox virus
- D:-Mycobacterium tuberculosis

Correct Answer:- Option-A

Question75:-Which of the following is not seen in psoriasis ?

- A:-Koebner phenomenon
- B:-Auspitz sign
- C:-Nail pitting
- D:-Wickham striae

Correct Answer:- Option-D

Question76:-Eczema craquele is

- A:-Seborrheic dermatitis
- B:-Atopic dermatitis
- C:-Asteatotic eczema
- D:-Gravitational eczema

Correct Answer:- Option-C

Question77:-Baux scoring was used to assess the morbidity in

- A:-SIRS (Systemic Inflammatory Response Syndrome)
- B:-Burns
- C:-Head injury

D:-HIV infection

Correct Answer:- Option-B

Question78:-Who was the first surgeon to perform liver transplantation ?

A:-Joseph E. Murray

B:-James D. Hardy

C:-Thomas E. Starzl

D:-Christian N. Barnard

Correct Answer:- Option-C

Question79:-What is the Ankle Brachial Pressure Index (ABPI) in patients with gangrene ?

A:-Less than 0.3

B:-0.3 to 0.5

C:-0.5 to 0.7

D:-More than 1

Correct Answer:- Option-A

Question80:-Sistrunk operation is done in

A:-Branchial cyst

B:-Thyroglossal cyst

C:-Cystic hygroma

D:-Lingual thyroid

Correct Answer:- Option-B

Question81:-Common complication of supracondylar fracture in a child includes all except

A:-Compartment Syndrome

B:-Gun Stock deformity

C:-Median Nerve injury

D:-Non union

Correct Answer:- Option-D

Question82:-Causes of knee pain in a boy can be all except

A:-Osteochondritis dissecans

B:-Perthes disease

C:-Patella alta

D:-Osgood Schlatter's disease

Correct Answer:- Option-C

Question83:-The commonest location of spinal tuberculosis is

A:-Cervical spine

B:-Sacral spine

C:-Upper dorsal spine

D:-Dorso lumbar spine

Correct Answer:- Option-D

Question84:-Displacement of distal radial fragment in smith fracture is

A:-Dorsal

B:-Volar

C:-Only impacted

D:-None of the above

Correct Answer:- Option-B

Question85:-Which cranial nerve nuclei is found in the pons part of the brain ?

A:-Cranial nerve 3

B:-Cranial nerve 5

C:-Cranial nerve 9

D:-Cranial nerve 12

Correct Answer:- Option-B

Question86:-Which is the key muscle of the cervical motor level `7(C<sub>7</sub>)` ?

A:-Triceps

B:-Biceps

C:-Brachioradialis

D:-Flexor digitorum profundus

Correct Answer:- Option-A

Question87:-Kienbock's disease is the avascular necrosis of which carpal bone ?

A:-Scaphoid

B:-Triquetrum

C:-Lunate

D:-Trapezoid

Correct Answer:- Option-C

Question88:-Iliofemoral ligament is the ligament belonging to which joint ?

A:-Knee joint

B:-Shoulder joint

C:-Elbow joint

D:-Hip joint

Correct Answer:- Option-D

Question89:-All are radioactive isotopes of cobalt except

A:-<sup>49</sup>(Co)

B:-<sup>56</sup>(Co)

C:-<sup>74</sup>(Co)

D:-<sup>78</sup>(Co)

Correct Answer:- Option-D

Question90:-All are temporary brachytherapy isotopes except

A:-Iridium-192

B:-Palladium-103

C:-Iodine-125

D:-Caesium-131

Correct Answer:- Option-D

Question91:-Most radiosensitive phase in cell cycle is

A:-G0 phase

B:-G1 phase

C:-G2 phase

D:-M phase

Correct Answer:- Option-D

Question92:-Most common plexopathy in carcinoma cervix involves

A:-Low plexopathy (L4-S1)

B:-High plexopathy (L1-L3)

C:-Sacral plexopathy

D:-Pan plexopathy

Correct Answer:- Option-A

Question93:-Early signs and symptoms of local anaesthetic toxicity include all except

A:-Tinnitus

B:-Circum oral numbness

C:-Dizziness

D:-Hypertension

Correct Answer:- Option-D

Question94:-Known complications related to surgical positioning include all except

A:-Brachial plexus injury due to abduction of arm to 60 degree

B:-Hypoxemia in the trendlenburg position

C:-Retinal ischemia in the prone position

D:-Venous air embolism in the sitting position

Correct Answer:- Option-A

Question95:-Which opioid among the following has the shortest duration of action ?

A:-Fentanyl

B:-Remifentanyl

C:-Alfentanyl

D:-Sufentanyl

Correct Answer:- Option-B

Question96:-Which among the following inhalational anaesthetic agents is preferred in day care surgery ?

A:-Isoflurane

B:-Sevoflurane

C:-Desflurane

D:-Enflurane

Correct Answer:- Option-C

Question97:-Name the disease in which herd immunity **DO NOT HAVE** any role in protecting an individual from acquiring the infection.

- A:-Tetanus
- B:-Diphtheria
- C:-Whooping cough
- D:-Measles

Correct Answer:- Option-A

Question98:-Identify the **FALSE** statement regarding Down syndrome.

A:-Majority of children having down syndrome are born to young mothers (age less than 35 years)

B:-It is the commonest inherited cause for mental retardation

C:-Simian crease on both hands is seen in less than 50% of cases

D:-Karyotyping is recommended for all cases even when the diagnosis is evident clinically

Correct Answer:- Option-B

Question99:-Which is **NOT** a risk factor for early onset sepsis in a newborn ?

A:-Foul smelling amniotic fluid

B:-Frequent per vaginal examinations during labor

C:-Delivery occurring more than 24 hours after rupture of membranes

D:-Formula feeding

Correct Answer:- Option-D

Question100:-All are **TRUE** statements regarding constitutional delay in growth and puberty **EXCEPT**

A:-Final adult height is normal

B:-Growth velocity is normal

C:-Bone age is equal to chronological age

D:-Usually there will be similar history in one of the parent

Correct Answer:- Option-C