

# FINAL ANSWER KEY

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Question1:-The Organ and Blood Donation Act was came into force in the year

- A:-2010
- B:-2014
- C:-2013
- D:-2011

Correct Answer:- Option-B

Question2:-The Saadhu Jana paripalana Sangham was headed by

- A:-Chattambi Swamikal
- B:-K. Ayyappan
- C:-Ayyankali
- D:-Mannathupathmanabhan

Correct Answer:- Option-C

Question3:-Which among the following is meant for reservation in government jobs and legislative assembly proportionate to population ?

- A:-Abstention movement
- B:-Malayali memorial
- C:-Ezhava memorial
- D:-Khilafath movement

Correct Answer:- Option-A

Question4:-Yogakshema was established in the year

- A:-1918
- B:-1906
- C:-1908
- D:-1909

Correct Answer:- Option-C

Question5:-Malabar Riot-1921 was headed by

- A:-Alavi Musliyar
- B:-Saidalavi Musliyar
- C:-Kunchahammed Musliar
- D:-Ali Musliyar

Correct Answer:- Option-D

Question6:-Which one of the following is related with access public road to all ?

- A:-Guruvayur Satyagraha
- B:-Vaikom Satyagraha
- C:-Dandi March
- D:-Salt Satyagraha

Correct Answer:- Option-B

Question7:-The aim of Malayali Memorial is

- A:-To secure jobs for educated Keralites citizens in Travancore
- B:-To build up institutions in memory of Malayali freedom fighters
- C:-To memorise Malayali writers
- D:-To obtain reservation seats in educational institutions

Correct Answer:- Option-A

Question8:-Cochin Stock Exchange came into being in the year

- A:-1976
- B:-1979
- C:-1969
- D:-1960

Correct Answer:- Option-B

Question9:-Kerala Sangeetha Nataka Academy was established in \_\_\_\_\_ at \_\_\_\_\_

A:-1958 Thrissur

B:-1956 Palakkad

C:-1959 Thrissur

D:-1957 Palakkad

Correct Answer:- Option-A

Question10:-The Reading Day celebrated on June 19 is related with the commemoration of

A:-K. M. Panicker

B:-C. Kesavan

C:-T. Anand

D:-P. N. Panicker

Correct Answer:- Option-D

Question11:-Which among the following is famous for being activist among Namboodiri women ?

A:-Subha Lakshmi

B:-Parvati Nenmenimangalam

C:-Lalithambika Anthar Janam

D:-Accamma Cheriyan

Correct Answer:- Option-B

Question12:-The Autobiography Aathmakathakkoru Aamukham was written by

A:-Madhavikkutti

B:-Lalithambika Anthar Janam

C:-Sugatha Kumari

D:-P. Valsala

Correct Answer:- Option-B

Question13:-Who was called by Gandhiji as 'Jhansi of Travancore' ?

A:-Lakshmi Bai

B:-Accamma Cheriyan

C:-Saraswati

D:-Sara Joseph

Correct Answer:- Option-B

Question14:-Which among the following is known as first Malayalam play ?

A:-Aromalunni

B:-AAL Kootam

C:-Aalmarattom

D:-Patta Bakki

Correct Answer:- Option-C

Question15:-The old Malayalam Newspaper Milhavadi was edited by

A:-Sahodaran Ayyappan

B:-C. V. Kunchiraman

C:-Moorkothu Kumaran

D:-K. Sukumaran

Correct Answer:- Option-C

Question16:-Vakkom Abdul Kader Moulavi was behind the publication of

A:-Siraj

B:-Al Hilal

C:-Al Ameen

D:-Swadeshbhimani

Correct Answer:- Option-D

Question17:-The publication edited by E.M.S. Namboodirippadu from Shornur was

A:-Prabhatam

B:-Suprabhatam

C:-Deshabhimani

D:-Janayugam

Correct Answer:- Option-A

Question18:-Financial emergency is explained in the article of the following

A:-Article 371

B:-Article 375

C:-Article 360

D:-Article 356

Correct Answer:- Option-C

Question19:-The first opposition leader in Kerala was

- A:-C. Achutha Menon
  - B:-A. K. Gopalan
  - C:-E. K. Nayanar
  - D:-E. M. S. Namboodirippadu
- Correct Answer:- Option-B

Question20:-Who won the Vallathol Award 2015 ?

- A:-K. R. Meera
  - B:-Vilasini
  - C:-Benyamin
  - D:-Anand
- Correct Answer:- Option-D

Question21:-H-B-H bond angle in  $\text{BH}_4^-$  is

- A:-  $180^\circ$
  - B:-  $120^\circ$
  - C:-  $109^\circ$
  - D:-  $90^\circ$
- Correct Answer:- Option-C

Question22:- $\text{H}_2\text{O}$  is concentrated by

- A:-Steam distillation
  - B:-Fractional distillation
  - C:-Freezing
  - D:-Distillation under reduced pressure
- Correct Answer:- Option-D

Question23:-The molarity of pure water at  $4^\circ\text{C}$  is

- A:-1M
  - B:-55.5M
  - C:-2.5M
  - D:-5M
- Correct Answer:- Option-B

Question24:-Which of the components of cement set at the slowest rate ?

- A:-Dicalcium silicate
  - B:-Tricalcium silicate
  - C:-Tricalcium aluminate
  - D:-Tetracalcium aluminoferrate
- Correct Answer:- Option-A

Question25:-The spin only magnetic moment value (in Bohr magneton unit) of  $\text{Cr}(\text{CO})_6$  is

- A:-0
  - B:-2.84
  - C:-4.90
  - D:-5.92
- Correct Answer:- Option-A

Question26:-How many EDTA molecules are required to make an octahedral complex with  $\text{Ca}^{2+}$  ion ?

- A:-Six
  - B:-Three
  - C:-One
  - D:-Two
- Correct Answer:- Option-C

Question27:-Tetrahedral nature of bonding in carbon was first shown by

- A:-Kekule
  - B:-Van't Hoff and Le Bel
  - C:-Wohler
  - D:-Lewis
- Correct Answer:- Option-B

Question28:-Which of the following is not electrophile ?

- A:-  $\text{BF}_3$
- B:-  $\text{Hg}^{2+}$
- C:-  $\text{AlCl}_3$
- D:-  $\text{NH}_3$

Correct Answer:- Option-D

Question29:-The Scientist who gave Chromatography concept

- A:-Berzelius
- B:-Avogadro
- C:-Tswett
- D:-Lavoiser

Correct Answer:- Option-C

Question30:-The marsh gas detector used by miners works on the principle of

- A:-Difference in rate of diffusion of gases
- B:-Avogadro's hypothesis
- C:-Gay Lucas's law of gaseous volume
- D:-Berzelius hypothesis

Correct Answer:- Option-A

Question31:-The shape of 2-butene is

- A:-Linear
- B:-Planar
- C:-Tetrahedral
- D:-Pyramidal

Correct Answer:- Option-B

Question32:-2-Bromopentane is heated with potassium ethoxide in ethanol the major product is

- A:-trans-pent-2-ene
- B:-2-etoxy pentane
- C:-pent-1-ene
- D:-cis-pent-2-ene

Correct Answer:- Option-A

Question33:-Di alkyl sulphides are known as

- A:-Sulphonal
- B:-Thioesters
- C:-Mercaptan
- D:-Thioethers

Correct Answer:- Option-D

Question34:-The explosive nitroglycerine is

- A:-a soap
- B:-a salt
- C:-a complex compound
- D:-an ester

Correct Answer:- Option-D

Question35:-Tin plague means

- A:-Tin plating
- B:-Conversion of white tin to grey tin
- C:-Emission of sound white blending tin plate
- D:-Conversion of stannous salt to stannic salt

Correct Answer:- Option-B

Question36:-Which makes use of Tyndall effect ?

- A:-Ultrafilter
- B:-Ultracentrifuge
- C:-Ultramicroscope
- D:-All the above

Correct Answer:- Option-C

Question37:-Which of the most effective in causing the coagulation of a positively charged  $\text{Fe(OH)}_3$  sol ?

- A:-  $\text{NO}_3^-$
- B:-  $\text{SO}_4^{2-}$
- C:-  $\text{PO}_4^{3-}$
- D:-  $\text{Fe(CN)}_6^{4-}$

Correct Answer:- Option-D

Question38:-A non-narcotic analgesic

- A:-Ibuprofen
- B:-Cocaine
- C:-Heroin

D:-Morphine

Correct Answer:- Option-A

Question39:-The famous Minamata disease was caused from water polluted by the compounds of the metal

A:-Lead

B:-Mercury

C:-Silver

D:-Cadmium

Correct Answer:- Option-B

Question40:-The polymer of  $\text{F}_2\text{C} = \text{CF}_2$  is

A:-PVC

B:-Nylon-6

C:-Teflon

D:-Bakelite

Correct Answer:- Option-C

Question41:-Then energy of electromagnetic radiation depends on

A:-Amplitude and wavelength

B:-Wave length

C:-Amplitude

D:-Temperature of the medium

Correct Answer:- Option-B

Question42:-Which is not additive property ?

A:-Atomic mass

B:-Volume

C:-Radioactivity

D:-Molecular weight

Correct Answer:- Option-C

Question43:-Organic compound soluble in water contain

A:-C, H, O

B:-C, N, Cl

C:-C, H

D:-C, S

Correct Answer:- Option-A

Question44:-The correct electro negativity order

A:-C, N, Si, P

B:-N, Si, C, P

C:-P, Si, N, C

D:-Si, P, C, N

Correct Answer:- Option-D

Question45:-What is  $[\text{OH}^-]$  in the final solution prepared by mixing 20.0mL of 0.050M HCl with 30.0mL of 0.10M  $\text{Ba}(\text{OH})_2$  ?

A:-0.010M

B:-0.12M

C:-0.40M

D:-0.0050M

Correct Answer:- Option-A

Question46:-Stannous chloride give a white precipitate with a solution of mercuric chloride. In this process mercuric chloride is

A:-Oxidized

B:-Reduced

C:-Converted into a complex

D:-None of these

Correct Answer:- Option-B

Question47:-No. of faraday required to liberate 8g of  $\text{H}_2$  is

A:-4

B:-16

C:-2

D:-8

Correct Answer:- Option-D

Question48:-Equivalent mass of  $\text{IO}_4^-$  when it is converted to  $\text{I}_2$  in acid

A:-M/6

B:-M/5

C:-M/7

D:-M/4

Correct Answer:- Option-C

Question49:-The unit of Avagadro's no. is

A:-mol

B:-`mol<sup>(-1)</sup>`

C:-`mol<sup>(-2)</sup>`

D:-none of these

Correct Answer:- Option-B

Question50:-Blood has been found to be isotonic with

A:-Normal saline solution

B:-Saturated NaCl solution

C:-Saturated KCl solution

D:-None of these

Correct Answer:- Option-A

Question51:-The reverse of fusion is freezing and it is

A:-Exothermic

B:-Endothermic

C:-Neither exothermic nor endothermic

D:-May be exothermic or endothermic

Correct Answer:- Option-A

Question52:-In the formation of `SO<sub>3</sub>` by `SO<sub>2</sub>` and `O<sub>2</sub>` using No as catalyst, catalytic action of No is evidence by

A:-Green vapour

B:-Violet vapour

C:-Brown vapour

D:-None of these

Correct Answer:- Option-C

Question53:-Which is ferromagnetic ?

A:-Ni

B:-Co

C:-`CrO<sub>3</sub>`

D:-All of these

Correct Answer:- Option-D

Question54:-The resistance of mercury becomes almost zero at

A:-20k

B:-10k

C:-25k

D:-4k

Correct Answer:- Option-D

Question55:-In a cubic close packing of spheres in three dimensions the co-ordination number of each sphere is

A:-6

B:-9

C:-12

D:-3

Correct Answer:- Option-C

Question56:-The molar depression const `K<sub>F</sub>` depends on

A:-Properties of pure solute

B:-Properties of pure solvent

C:-Properties of solute and solvent

D:-Always consist for all solutes and solvents

Correct Answer:- Option-B

Question57:-Van't Hoff's factor for `K<sub>3</sub>Fe(CN)<sub>6</sub>` (ionization 50%) will be

A:-1

B:-5.5

C:-2.5

D:-None of these

Correct Answer:- Option-C

Question58:-Isomer which can be inter converted through rotation around a single bond are

- A:-Conformers
- B:-Diastereomers
- C:-Enantiomers
- D:-Positional isomers

Correct Answer:- Option-A

Question59:-Which one of the following has smallest heat of hydrogenation per mol ?

- A:-1-butene
- B:-trans-2-butene
- C:-Cis 2-butene
- D:-1,3-butadiene

Correct Answer:- Option-D

Question60:-Melting point is highest for

- A:-Al
- B:-B
- C:-Ga
- D:-In

Correct Answer:- Option-B

Question61:-The instrument used to cut frozen sections

- A:-Histokinete
- B:-Rotary microtome
- C:-Cryostat
- D:-None of the above

Correct Answer:- Option-C

Question62:-Iron deficiency anaemia is

- A:-Normocytic normochromic
- B:-Haemolytic
- C:-Macrocytic normochromic
- D:-Microcytic hypochromic

Correct Answer:- Option-D

Question63:-The compatibility test between donors red cells and the recipients serum is called

- A:-Serum grouping
- B:-Minor crossmatching
- C:-Major crossmatching
- D:-None of the above

Correct Answer:- Option-C

Question64:-Which of these is a motile bacteria ?

- A:-Proteus
- B:-Klebsiella
- C:-Staphylococci
- D:-Corneobacteria

Correct Answer:- Option-A

Question65:-Prothrombin time is the time required for clotting of citrated plasma after addition of

- A:-Calcium
- B:-Tissue thromboplastin
- C:-1 and 2
- D:-None of the above

Correct Answer:- Option-C

Question66:-The commonly used fixative in cytology

- A:-formalin
- B:-ether-ethyl alcohol
- C:-ethanol-formalin fixative
- D:-None of the above

Correct Answer:- Option-B

Question67:-Inclusion bodies that is seen in G6PD patients that can be demonstrated by supravital stain

- A:-Reticulocyte
- B:-H J bodies
- C:-Basophilic stippling
- D:-Heinz bodies

Correct Answer:- Option-D

Question68:-Sterilization method at 100°C for 20 minutes on three successive days

A:-Tyndallization

B:-Inspissation

C:-Hot air oven

D:-None of the above

Correct Answer:- Option-A

Question69:-The temperature of tissue floatation bath

A:-52-56°C

B:-43-46°C

C:-37-40°C

D:-56-60°C

Correct Answer:- Option-B

Question70:-Negri body is demonstrated in infection with

A:-HIV

B:-Rabies virus

C:-Varicella zoster

D:-None of the above

Correct Answer:- Option-B

Question71:-2% sodium metabisulphite is used to demonstrate

A:-Sickle cell

B:-Target cell

C:-Eosinophil

D:-Stomatocyte

Correct Answer:- Option-A

Question72:-The acid fastness of the bacteria is due to the presence of \_\_\_\_\_ on their cell wall.

A:-Peptidoglycan

B:-Teichoic acid

C:-Flagella

D:-Mycolic acid

Correct Answer:- Option-D

Question73:-The disease with uncontrolled increase in WBC

A:-Leukaemia

B:-Anaemia

C:-1 and 2

D:-None of the above

Correct Answer:- Option-A

Question74:-The dilution used for total sperm count is

A:-1 : 10

B:-1 : 20

C:-1 : 100

D:-1 : 200

Correct Answer:- Option-B

Question75:-Which of the following is the part of a flame photometer ?

A:-Aspirator

B:-atomizer

C:-1 and 2

D:-None of the above

Correct Answer:- Option-C

Question76:-Leibermann-Burchard method is used to detect

A:-Glucose

B:-Bilirubin

C:-Electrolytes

D:-Cholesterol

Correct Answer:- Option-D

Question77:-Which of the following media is used as a selective media for mycobacteria ?

A:-DCA

B:-L J medium

C:-TCBS

D:-Selenite F broth

Correct Answer:- Option-B

Question78:-Function of sodium bicarbonate in semen diluting fluid

A:-Liquifies the mucus

B:-Fixes the spermatozoa

C:-Prevent drying

D:-None of the above

Correct Answer:- Option-A

Question79:-Which of the following is not a platelet diluting fluid ?

A:-Dungers fluid

B:-Dacics fluid

C:-Rees Ecker solution

D:-Kristensens fluid

Correct Answer:- Option-A

Question80:-Acid elution test is related to

A:-L. E. cell

B:-Target cell

C:-H. D. N.

D:-All of the above

Correct Answer:- Option-C

Question81:-Sabourauds agar is used for the detection of

A:-Streptococcus

B:-Staphylococcus

C:-Clostridium

D:-Fungi

Correct Answer:- Option-D

Question82:-Bombay blood group contain

A:-Antigen A, B and H

B:-Antibody A, B and H

C:-Antibody A and B, Antigen H

D:-None of the above

Correct Answer:- Option-B

Question83:-IgE is responsible for

A:-Hypersensitivity reactions

B:-Secretory function

C:-Natural passive immunity

D:-No special function

Correct Answer:- Option-A

Question84:-Which of the following is not a liver function test ?

A:-Bilirubin

B:-A.L.T.

C:-Prothrombin Time

D:-S. Creatinine

Correct Answer:- Option-D

Question85:-The colour of schiffs reagent

A:-Colourless

B:-Pink

C:-Blue

D:-None of the above

Correct Answer:- Option-A

Question86:-Envelope shaped crystals seen in urine sediment

A:-Cholesterol

B:-Uric acid

C:-Calcium oxalate

D:-Triple phosphate

Correct Answer:- Option-C

Question87:-SGOT is also known as

A:-ALT

B:-AST

C:-ALP

D:-None of the above

Correct Answer:- Option-B

Question88:-Normal CSF glucose level is

A:-80-100 mg%

B:-60-80 mg%

C:-20-40 mg%

D:-40-70 mg%

Correct Answer:- Option-D

Question89:-The trophozoite of which parasite has the shape of a tennis racket ?

A:-Giardia lamblia

B:-Trichomonas

C:-Entamoeba coli

D:-Entamoeba histolytica

Correct Answer:- Option-A

Question90:-The causative agent of sleeping sickness

A:-Leishmania

B:-Trypanosoma

C:-Plasmodium

D:-None of the above

Correct Answer:- Option-B

Question91:-Which of the following is a cytochemical test ?

A:-Peroxidase test

B:-Alkaline phosphatase

C:-Sudan black

D:-All of the above

Correct Answer:- Option-D

Question92:-Function of malachite green in L. J. medium

A:-Removes oxygen

B:-Suppress the growth of other organism

C:-1 and 2

D:-None of the above

Correct Answer:- Option-B

Question93:-Tetramethyl paraphenylene diamine dihydrochloride is used to do

A:-Catalase test

B:-Oxidase test

C:-Coagulase test

D:-Urease test

Correct Answer:- Option-B

Question94:-Draughtsman appearance is shown by

A:-Strep. viridians

B:-Staph. aureus

C:-Strep. pneumonia

D:-None of the above

Correct Answer:- Option-C

Question95:-Diagnostic test for scarlet fever

A:-Eleks gel precipitation test

B:-Widal test

C:-CAMP test

D:-Dick test

Correct Answer:- Option-D

Question96:-The serological test that shows prozone phenomenon

A:-Widal test

B:-VDRL

C:-1 and 2

D:-None of the above

Correct Answer:- Option-C

Question97:-Vonkossa silver nitrate stain is used for the demonstration of

A:-Calcium

B:-Iron

C:-Carbohydrate

D:-None of the above

Correct Answer:- Option-A

Question98:-Normal GFR

A:-2ml/mt

B:-5ml/sec

C:-2ml/sec

D:-5ml/mt

Correct Answer:- Option-C

Question99:-Normal sodium concentration in serum

A:-80-120 mEq/L

B:-150-180 mEq/L

C:-130-150 mEq/L

D:-None of the above

Correct Answer:- Option-C

Question100:-The ruled area in Thoma counting chamber is

A:-9mm<sup>2</sup>

B:-9sq.mm

C:-2mm<sup>2</sup>

D:-1mm<sup>2</sup>

Correct Answer:- Option-D