FINAL ANSWER KEY

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Question1:-Who among the following was not a member of the constitution drafting committee?

A:-B.R. Ambedkar
B:-Jawaharlal Nehru
C:-K.M. Munshi
D:-Alladi Krishnaswami Ayyar
Correct Answer:- Option-B

Question2:-Article 368 of the Indian constitution deals with

A:-Fundamental Duties
B:-Fundamental Rights
C:-Amendment of the constitution
D:-Citizenship
Correct Answer:- Option-C

Question3:-'Kudumbasree' was launched in

A:-1996
B:-1998
C:-2000
D:-2002
Correct Answer:- Option-B

Question4:-'Pratheeksha Bhavan' under the Social Justice Department for the rehabilitation of mentally retarded men above the age of 18 is at

A:-Poojapura
B:-Kakkanad
C:-Ramavarmapuram
D:-Thavanur
Correct Answer:- Option-D

Question5:-Dr. Gundert,the champion of English education in Malabar was a

A:-German
B:-British
C:-French
D:-Portuguese
Correct Answer:- Option-A

Question6:-The FACT was started during the period of

A:-Swathi Tirunal
B:-Uthradam Tirunal
C:-Sri Chithra Tirunal
D:-Sri Mulam Tirunal
Correct Answer:- Option-C

Question7:-'Samathwa Samajam' was founded by

A:-Ayyankali
B:-K. Ayyappan
C:-Vagbhatananda
D:-Vaikunda Swamikal
Correct Answer:- Option-D

Question8:-'Sahodara Sangham' was founded in

A:-1904
B:-1908
C:-1914
D:-1917
Correct Answer:- Option-D

Question9:-The 'Ezhava Memorial' was submitted in
A:-1809
B:-1888
C:-1891
D:-1896
Correct Answer:- Option-D
Question10:-Which among the following was a post-independent event?
A:-Kuttamkulam struggle
B:-Paliyam Satyagraha
C:-Punnapra-Vayalar struggle
D:-Yachana Yathra
Correct Answer:- Option-B
Question11:-'Mitavadi' was published from
A:-Kozhikode
B:-Thalasseri
C:-Mahe
D:-Kannur
Correct Answer:- Option-A
Question12:-The Trivandrum Public Library was started by
A:-Edward Cadogan
B:-John Allan Brown
C:-Thomas Munro
D:-A.F. Sealy
Correct Answer:- Option-A
Question13:-A.R. Raja Raja Varma was the _____ of Kerala Varma Valiya Koyil Thampuran.
A:-Father
B:-Son
C:-Nephew
D:-Brother
Correct Answer:- Option-C
Question14:-'Vyazhavattasmaranakal' was written by
A:-K. Ramakrishna Pillai
B:-B. Kalyani Amma
C:-E.V. Krishna Pillai
D:-C. Kesavan
Correct Answer:- Option-B
Question15:-Who among the following was not a member of the Vadakkath family of Anakkara?
A:-A.V. Kuttimalu Amma
B:-Ammu Swaminathan
C:-Captain Lakshmi
D:-Lalitha Prabhu
Correct Answer:- Option-D
Question16:-The Volunteer captain of 'Guruvayur Satyagraha' was
A:-K. Kelappan
B:-A.K. Gopalan
C:-T.K. Madhavan
D:-Mannath Padmanabhan
Correct Answer:- Option-B
Question17:-The Grand Slam tennis tournament playing in grass court
A:-US Open
B:-Australian Open
C:-Wimbledon Open
D:-French Open
Correct Answer:- Option-C
Question18:-The opponent of P.V. Sindhu in the Final of Badminton World Championship 2017 was from
A:-China
B:-Korea
C:-Japan
D:-Malaysia

Correct Answer:- Option-C

Question19:-Dr. Babasaheb Ambedkar International Airport is at

A:-Nagpur

B:-Pune

C:-Mumbai

D:-Surat

Correct Answer:- Option-A

Question20:-The Winner of Jnanpith Award 2016

A:-Shankha Ghosh

B:-Raghuveer Chaudhary

C:-B.V. Nemade

D:-Kedarnath Singh

Correct Answer:- Option-A

Question21:-A pressure cooker reduces cooking time because

A:-Heat is more evenly distributed

B:-The boiling point of water inside the cooker is elevated

C:-The higher pressure tenderises the food

D:-The boiling point of water inside the cooker is depressed

Correct Answer:- Option-B

Question22:-The galvanic cell which convert energy of combustion directly to electrical energy is called

A:-Fuel cell

B:-Primary cell

C:-Secondary cell

D:-Voltaic cell

Correct Answer:- Option-A

Question23:-Haber process is used for the manufacture of

A:-Sulphuric acid

B:-Nitric acid

C:-Nitrogen

D:-Ammonia

Correct Answer:- Option-D

Question24:-The group 13 element which is liquid during summer is

A:-Al

B:-In

C:-Ga

D:-Tl

Correct Answer:- Option-C

Question25:-Intra molecular hydrogen bond exist in

A:-HF

B:-`H_(2)O`

C:-o-nitro phenol

D:-ethyl alcohol

Correct Answer:- Option-C

Question26:-Which of the following shows both Schottky and Frenkel defect ?

A:-AgBr

B:-CsCl

C:-AgCl

D:-ZnS

Correct Answer:- Option-A

Question27:-Bauxite is the ore of

A:-Iron

B:-Aluminium

C:-Copper

D:-Zinc

Correct Answer:- Option-B

Question28:-How many kinds of space lattice are possible in a crystal?

A:-7

B:-23

C:-14

D:-21

Correct Answer:- Option-C

Question29:-The law starting that ''the partial pressure of the gas in vapour phase is proportional to the mole fraction of the gas in the solution'' is known as

A:-Raoults law

B:-Dalton's law of partial pressure

C:-Ostwald's dilution law

D:-Henry's law

Correct Answer:- Option-D

Question30:-The excess pressure that is applied to the solution to prevent the passage of solvent in to it through a semi permeable membrane is referred to as

A:-Partial pressure

B:-Critical pressure

C:-Osmotic pressure

D:-None of these

Correct Answer:- Option-C

Question31:-The hybridisation of carbon in Graphite is

A:-`"dsp^2"`

B:-sp

C:-`"sp"^3`

D:-`"sp"^2`

Correct Answer:- Option-D

Question32:-Isotonic solutions have

A:-Same osmotic pressure

B:-same freezing point

C:-same melting point

D:-same boiling point

Correct Answer:- Option-A

Question33:-Best method to prevent corrosion of iron is

A:-making iron cathode

B:-making iron anode

C:-put it in saline water

D:-make it in contact with atmosphere

Correct Answer:- Option-A

Question34:-The half life of first order reaction with rate constant 'K' is given by

A:-`([R_(0)])/(2K)`

B:-`([R_(0)])/(K)`

C:-`(0.693)/(2K)`

D:-`(0.693)/(K)`

Correct Answer:- Option-D

Question35:-Unit of first order reaction is

A:-`S^(-1)`

B:-`mol L^(-1)S^-1`

C:-`mol^(-1)LS^(-1)`

D:-dimensionless

Correct Answer:- Option-A

Question36:-Which of the following constitute Daniel cell?

A:-Zn-Hg cell

B:-Zn-Cu cell

C:-Zn-Ag cell

D:-Cu-Hg cell

Correct Answer:- Option-B

Question37:-The correct formula for plaster of paris is

A:-`"CaSO_4.2H_2O"`

B:-`"CaSO_4"` .`"H_2O"`

C:-`"CaSO_4"` .`(1)/(2)` `"H_2O"`

D:-`"Ca_2SO_4"` . `"H_2O"`

Correct Answer:- Option-C

Question38:-Permanent hardness of water is due to the presence of

A:-Bicarbonates of Na and K
B:-Bicarbonates of Ca and Mg
C:-Chlorides and sulphates of Ca and Mg
D:-Chlorides and sulphates of Na and K
Correct Answer:- Option-C
Question39:-Role of a catalyst in a chemical reaction is
A:-To decrease activation energy
B:-To increase activation energy
C:-To increase heat of reaction
D:-To decrease heat of reaction
Correct Answer:- Option-A
Question40:-Characteristics of transition element
A:-Show variable oxidation state
B:-Forms alloys
C:-Form coloured compounds
D:-All the above
Correct Answer:- Option-D
Question41:-In [`"Ni(CO)_4"`], the oxidation number of Nickel is
A:-+3
B:-+2
C:-+4
D:-Zero
Correct Answer:- Option-D
Question42:-Primary, secondary and tertiary amines can be distinguished by Hinsberg reagent, which is
A:-Benzoyl chloride
B:-Benzene sulphonyl chloride
C:-Acetic anhydride
D:-Benzyl chloride
Correct Answer:- Option-B
Question43:-The monomer of PVC is
A:-Ethene
B:-Vinyl chloride
C:-Styrene
D:-Tetra Fluoro ethane
Correct Answer:- Option-B
Question44:-Tyndall effect is
A:-Scattering of light by colloidal particle
B:-Refraction of light by colloidal particle
C:-Absorption of light by colloidal particle
D:-Reflection of light by colloidal particle
Correct Answer:- Option-A
Question45:-Which of the following battery is used in automobiles?
A:-Nickel-cadmium cell
B:-`"H_2-O_2"` fuel cell
C:-Lead storage battery
D:-Mercury cell
Correct Answer:- Option-C
Question46:-Emulsion is an example of colloidal system of
A:-Liquid dispersed in gas
B:-Solid dispersed in gas
C:-Liquid dispersed in liquid
D:-Liquid dispersed in solid
Correct Answer:- Option-C
Question47:-The volume of 1 mol of gas at STP is
A:-22.4 ml
B:-22.4 L
C:-2.24 ml
D:-2.24 L
Correct Answer:- Option-B

Question48:-The oxidation number of sulphur in `"H_2SO_4"` is

A:-+5

B:-+4

C:-+6

D:-+2

Correct Answer:- Option-C

Question49:-n = 3, l = 2 represent which orbital

A:-3s

B:-3d

C:-3p

D:-3f

Correct Answer:- Option-B

Question50:-The protective action of colloids are expressed in terms of

A:-Gold Number

B:-Octane number

C:-Atomic number

D:-Cetane number

Correct Answer:- Option-A

Question51:-Bronze is an alloy of

A:-Cu with Zn

B:-Cu with Ni

C:-Fe with Ni

D:-Cu with Sn

Correct Answer:- Option-D

Question52:-Vitamin C is

A:-Cobalamine

B:-Riboflavin

C:-Calciferol

D:-Ascorbic acid

Correct Answer:- Option-D

Question53:-Atoms of different elements having same number of neutrons are called

A:-Isotopes

B:-Isobars

C:-Isotones

D:-Isomers

Correct Answer:- Option-C

Question54:-Sulphide ores are concentrated by

A:-Froth floatation method

B:-Magnetic separation

C:-Hydraulic washing

D:-Leaching

Correct Answer:- Option-A

Question55:-The thermal decomposition of Hl on gold surface is a reaction of

A:-First order

B:-Zero order

C:-Fractional order

D:-Second order

Correct Answer:- Option-B

Question56:-Among the following which is used as dehydrating reagent

A:-Alcoholic KOH

B:-Acidified `"KMnO_4"`

C:-`"LiAlH_4"`

D:-`"Conc.H_2SO_4"`

Correct Answer:- Option-D

Question57:-General outer electronic configuration of group 15 elements are

A:-`"ns^2np^3"`

B:-`"ns^2np^4"`

C:-`"ns^2np^6"`

D:-`"ns^2np^5"`

Correct Answer:- Option-A

Question58:-The process of accumulation of molecular species at the surface rather than in the bulk is called

A:-Absorption

B:-Adsorption

C:-Sorption

D:-Desorption

Correct Answer:- Option-B

Question59:-Schottky defect is characterised by

A:-Increase in density

B:-Decrease in density

C:-No change in density

D:-None of the above

Correct Answer:- Option-B

Question60:-Caustic soda is

A:-NaCl

B:-`"NaHCO_3"`

C:-`"Na_2CO_3"`

D:-NaOH

Correct Answer:- Option-D

Question61:-Number of moles of solute dissolved in 1 kg of solvent is

A:-Molarity

B:-Mole fraction

C:-Molality

D:-Mass percentage

Correct Answer:- Option-C

Question62:-Williamson's synthesis is used for the preparation of

A:-Aldehydes

B:-Ketones

C:-Alcohols

D:-Ethers

Correct Answer:- Option-D

Question63:-Which of the following is isoelectronic species?

1. `"Na^+"`
2. `"Ca^2^+"`
3. `"F^-"`
4. `"O^2^-"`

A:-1, 2 and 4

B:-1, 3 and 4

C:-2, 3 and 4

D:-1, 2 and 3

Correct Answer:- Option-B

Question64:-Oleum is

A:-`"H_2S_2O_7"`

B:-`"H_2SO_4"`

C:-`"H_2SO_3"`

D:-`"SO_3"`

Correct Answer:- Option-A

Question65:-The +8 oxidation state is shown by

A:-Os

B:-Fe

C:-Mn

D:-Th

Correct Answer:- Option-A

Question66:-Which of the following is a natural polymer?

A:-Polyethene

B:-Teflon

C:-Cellulose
D:-Glyptal
Correct Answer:- Option-C
Question67:-On heating an aldehyde with Fehling solution, we get a precipitate whose colour is
A:-White
B:-Yellow
C:-Red
D:-Black
Correct Answer:- Option-C
Question68:-Nitric acid is prepared by
A:-Contact process
B:-Ostwald's process
C:-Haber process
D:-Oxidation process
Correct Answer:- Option-B
Question69:-Which of the following substance on dissolving in water will give an acidic solution?
A:-NaCl
B:-`"Na_2CO_3"`
C:-`"CH_3COONa"`
D:-`"NH_4Cl"`
Correct Answer:- Option-D
Question70:-Zeigler-Natta catalyst is
A:-`"(CH_3)_3Al"` and `"TiCl_4"`
B:-`"(C_2H_5)_3Al"` and `"TiCl_4"`
C:-`"V_2O_5"`
D:-`"KMnO_4"`
Correct Answer:- Option-B
Question71:-Which of the following has magnesium?
A:-Chlorophyll
B:-Haemoglobin
C:-`"Vit.B_1_2"`
D:-Haemocyanin
Correct Answer:- Option-A
Question72:-Natural rubber is a polymer of
A:-Styrene
B:-Chloroprene
C:-Acrylonitrile
D:-Isoprene
Correct Answer:- Option-D
Question73:-2, 4, 6-trinitrophenol is also known as
A:-Salicylic acid
B:-Resorcinol
C:-Picric acid
D:-Cinnamic acid
Correct Answer:- Option-C
Question74:-EDTA is an example of
A:-Monodentate ligand
B:-Hexadentate ligand
C:-Ambidentate ligand
D:-Chelate ligand
Correct Answer:- Option-B
Question75:-Chloroform is
A:-`"CH_3Cl"`
B:-`"CHCl_3"`
C:-`"CH_2Cl_2"`
D:-`"CCl_4"`
Correct Answer:- Option-B
Question76:-The total number of orbital possible for principal quantum number 'n' is
A:-n

B:-2n
C:-`"2n^2"`
D:-`"n^2"`
Correct Answer:- Option-D
Question77:-Which of the following is an ambidentate ligand?
A:-`"H_2O"`
B:-`"NH_3"`
C:-CN
D:-CO
Correct Answer:- Option-C
Question78:-Oxygen shows +2 oxidation state in the compound
A:-`"H_2O"`
B:-`"H_2O_2"`
C:-`"OF_2"`
D:-CaO
Correct Answer:- Option-C
Question79:-R - X + NaI `->` R-I + NaX. This reaction is
A:-Finkelstein reaction
B:-Swarts reaction
C:-Wurtz reaction
D:-Fittig reaction
Correct Answer:- Option-A
Question80:-Primary, Secondary and tertiary alcohols are distinguished by
A:-Lucas test
B:-Tollens test
C:-Fehling test
D:-Borsche's test
Correct Answer:- Option-A
Question81:-Which of the following has the highest electron gain enthalpy?
A:-O
B:-S
C:-F
D:-Cl
Correct Answer:- Option-D
Question82:-Shape of `"SF_6"` molecule is
A:-Tetrahedral
B:-Square planar
C:-Pyramidal
D:-Octahedral
Correct Answer:- Option-D
Question83:-Which of the following compound is added to rectified spirit to make it unfit for drinking purpose?
A:-Acetic acid
B:-Methanol
C:-Chloroform
D:-Acetone
Correct Answer:- Option-B
Question84:-Benzene diazonium chloride on reaction with warm water gives
A:-Phenol
B:-Benzene
C:-Toluene
D:-Benzaldehyde
Correct Answer:- Option-A
Question85:-The catalyst used in contact process for the manufacture of `"H_2SO_4"` is
A:-Fe
B:-Ni
C:-`"V_2O_5"`
D:-Peroxides
Correct Answer:- Option-C
Question86:-A carbohydrate which cannot be hydrolysed to simpler compound is called

A:-Mono saccharides
B:-Poly saccharides
C:-Disaccharides
D:-Oligo saccharides
Correct Answer:- Option-A
Question87:-The Zig-Zag motion of colloid particle is known as
A:-Electro phorosis
B:-Electro-osmosis
C:-Coagulation
D:-Brownian movement
Correct Answer:- Option-D
Question88:-Liquation is used for the refining of
A:-Low boiling metals
B:-High boiling metals
C:-Low melting metals
D:-High melting metals
Correct Answer:- Option-C
Question89:-A process is said to be spontaneous if
A:-ΔH is -ve
B:-ΔS is +ve
C:-ΔG is -ve
D:-all the above
Correct Answer:- Option-D
Question90:-Neutron was discovered by
A:-Chadwick
B:-Rutherford
C:-J.J. Thomson
D:-Neils Bohr
Correct Answer:- Option-A
Question91:-`"^2^2Na"` contains
A:-11 electron
B:-22 electron
C:-22 protons
D:-22 neutrons
Correct Answer:- Option-A
Question92:-Which of the following molecule has zero dipole moment?
A:-`"H_2O"`
B:-`"CO_2"`
C:-`"NH_3"`
D:-`"NF_3"`
Correct Answer:- Option-B
Question93:-In an isothermal process which of the following is true?
A:-ΔV = 0
B:-Δq = 0
C:-ΔT = 0
D:-ΔP = 0
Correct Answer:- Option-C
Question94:-Which of the following is water gas?
A:-`"CO+N_2"`
B:-`"N_2+H_2"`
C:-`"O_2+H_2"`
D:-`"CO+H_2"`
Correct Answer:- Option-D
Question95:-Bond order is given by
A:-1/2 `"(N_b-N_a)"`
B:-1/2`"(N_a-N_b)"`
C:-2`"(N_a-N_b)"`
D:-2`"(N_b-N_a)"`
Correct Answer:- Option-A

Question96:-At absolute zero of temperature

A:-temperature of gas is zero

B:-Volume of gas is zero

C:-Pressure of gas is zero

D:-Number of moles of gas is zero

Correct Answer:- Option-B

Question97:-Hot tea in a thermo flask is an example of

A:-Closed system

B:-Isolated system

C:-Open system

D:-Cyclic system

Correct Answer:- Option-B

Question98:-`"P^H"` of pure water at 298 K is

A:-6.9

B:-7.2

C:-7

D:-7.5

Correct Answer:- Option-C

Question99:-Avogadro number is

A:-6.022 ×`10^(22)`

B:-0.6022 ×`10^(22)`

C:-0.6022 ×`10^(23)`

D:-6.022 ×`10^(23)`

Correct Answer:- Option-D

Question100:-Azeotropes are

A:-Mixture having same composition in solid and liquid phase

B:-Mixture having same composition in liquid and vapour phase

C:-Mixture having same composition in solid and vapour phase

D:-All the above

Correct Answer:- Option-B