

PROVISIONAL ANSWER KEY

Question 33/2023/OL

Paper Code:

Category 740/2021

Code:

Exam: Higher Secondary School Teacher (Junior) Chemistry

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Department Kerala Higher Secondary Education

Question1:-The ionic conductance of alkali metal ions follow the order

A:- $Li^+ > Na^+ > K^+ > Rb^+ > Cs^+$

B:- $Cs^+ > Rb^+ > K^+ > Na^+ > Li^+$

C:- $Rb^+ > Cs^+ > K^+ > Na^+ > Li^+$

D:- $Cs^+ > Rb^+ > Na^+ > K^+ > Li^+$

Correct Answer:- Option-B

Question2:-The number of lone pairs in XeF_2, XeF_4, XeF_6 and XeO_4 are

A:-3, 2, 1, 0

B:-0, 1, 2, 3

C:-3, 1, 2, 0

D:-0, 2, 3, 1

Correct Answer:- Option-A

Question3:-What is the STYX number for B_4H_{10} ?

A:-4012

B:-4021

C:-4001

D:-4002

Correct Answer:- Option-A

Question4:-In the structure of S_4N_4 , all the S-N distances are found to be equal. This is due to extensive delocalization of

A:- $p\pi$ orbital of N and $p\pi$ orbital of S

B:- $p\pi$ orbital of N and $d\pi$ orbital of S

C:- $d\pi$ orbital of N and $d\pi$ orbital of S

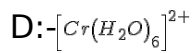
D:-delocalization involving all π orbitals

Correct Answer:- Option-B

Question5:-Which among the following complexes exhibits Jahn-Teller distortion ?

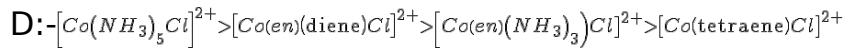
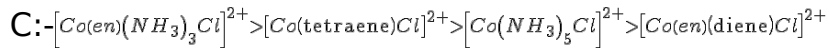
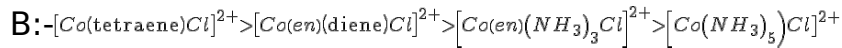
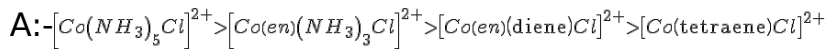
A:- $[Ni(H_2O)_6]^{2+}$

B:- $[Zn(H_2O)_6]^{2+}$



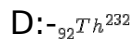
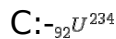
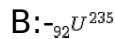
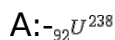
Correct Answer:- Option-D

Question6:-Which of the following is the correct order of aquation of the complexes ?



Correct Answer:- Option-A

Question7:-Which of the following nuclei is fissile ?



Correct Answer:- Option-B

Question8:-Which of the following pairs show identical size as a result of lanthanide contraction ?

A: -Zr/Hf, Nb/Ta, Mo/W

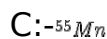
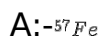
B: -Ti/Zr, V/Nb, Cr/Mo

C: -Fe/Ru, Co/Rh, Ni/Pd

D: -Sc/Ti, Y/Zr, La/Hf

Correct Answer:- Option-A

Question9:-Which of the following nuclei listed below shows more splitting in ESR ?



Correct Answer:- Option-C

Question10:-The selection rules for ESR transition are

A: $-\Delta m_s = \pm 1, \Delta m_l = 0$

B: $-\Delta m_s = \pm 2, \Delta m_l = 0$

C: $-\Delta m_l = \pm 1, \Delta m_s = 0$

D: $-\Delta m_s = 0, \Delta m_l = 0$

Correct Answer:- Option-A

Question11:-The record Mossbauer spectrum of iron containing samples 'A' is used;

'X' after nuclear transformation 'B' gives ' γ ' radiation used in Mossbauer spectroscopy 'A' and 'B' respectively are

A:- ^{57}Fe , β emission

B:- ^{57}Co , β emission

C:- ^{57}Co , e^- capture

D:- ^{57}Fe , e^- capture

Correct Answer:- Option-C

Question12:-Which of the following represents the selection rule for IR spectroscopy ?

A:- $[\partial\mu_i / \partial Q]_0 \neq 0$

B:- $[\partial\mu_{ij} / \partial Q]_0 \neq 0$

C:- $[\partial\mu_i / \partial H]_0 \neq 0$

D:- $[\partial\mu_{ij} / \partial H]_0 \neq 0$

Correct Answer:- Option-A

Question13:-Which of the following statements regarding correlation diagrams is correct ?

A:- $d_{(Oh)}^1 \equiv d_{(Td)}^1$

B:- $d_{(Td)}^3 \equiv d_{(Td)}^7$

C:- $d_{(Oh)}^2 \equiv d_{(Td)}^8$

D:- $d_{(Oh)}^2 \equiv d_{(Td)}^7$

Correct Answer:- Option-C

Question14:-The CO stretching frequencies generally follow the order

A:- $\text{CO} > \text{MCO} > \text{M}_2\text{CO} > \text{M}_3\text{CO}$

B:- $\text{M}_3\text{CO} > \text{M}_2\text{CO} > \text{MCO} > \text{CO}$

C:- $\text{CO} > \text{M}_3\text{CO} > \text{M}_2\text{CO} > \text{MCO}$

D:-None of the above

Correct Answer:- Option-A

Question15:-The M-C stretching frequency in the following compounds follow the order

A:- $\text{Ni}(\text{CO})_4 > \text{Co}(\text{CO})_4^- > \text{Fe}(\text{CO})_4^{2-} > \text{Mn}(\text{CO})_4^{3-}$

B:- $\text{Mn}(\text{CO})_4^{3-} > \text{Fe}(\text{CO})_4^{2-} > \text{Co}(\text{CO})_4^- > \text{Ni}(\text{CO})_4$

C:- $\text{Fe}(\text{CO})_4^{2-} > \text{Co}(\text{CO})_4^- > \text{Ni}(\text{CO})_4 > \text{Mn}(\text{CO})_4^{3-}$

D:- $\text{Co}(\text{CO})_4^- > \text{Ni}(\text{CO})_4 > \text{Fe}(\text{CO})_4^{2-} > \text{Mn}(\text{CO})_4^{3-}$

Correct Answer:- Option-B

Question16:- ^{19}F NMR spectrum of meridional isomer of octahedral RhCl_3F_3 complex consist of

A:-One doublet

B:-Two doublets and one triplet

C:-Two doublets and two triplets

D:-One singlet and two triplets

Correct Answer:- Option-C

Question17:-Calculate the binding energy per nucleon of oxygen atom ${}^8\text{O}^{16}$ which has a mass of 15.9949910 amu. [Mass of neutron = 1.008665 amu, mass of proton = 1.007277 amu, mass of electron = 0.0005486]

A:-7.976 MeV

B:-7.0747 MeV

C:-8.5701 MeV

D:-343.816 MeV

Correct Answer:- Option-A

Question18:-When nucleus of medium or high mass number interacts with projectiles of high energy, a violent rupture leads to the formation of two extremely unstable nuclei, one light and one heavy, having the same N/Z ratio as the target nucleus. The phenomenon is called

A:-Spallation

B:-Evaporation

C:-Fission

D:-Fragmentation

Correct Answer:- Option-D

Question19:-The number of effective atoms per unit cell in a simple cubic, face centred cubic and body centred cubic are respectively

A:-4, 1, 2

B:-1, 4, 2

C:-2, 4, 1

D:-4, 8, 2

Correct Answer:- Option-B

Question20:-In Zinc blende structure, zinc atoms fill up

A:-All octahedral holes

B:-All tetrahedral holes

C:-Half number of octahedral holes

D:-Half number of tetrahedral holes

Correct Answer:- Option-D

Question21:-If a non metal is added to the interstitial sites of a metal, then the metal becomes

A:-Softer

B:-Less tensile

C:-More ductile

D:-None of the above

Correct Answer:- Option-B

Question22:-Which among the following statements of ferroelectric material is false ?

A:-Ferroelectrics exhibit an electric dipole moment even in the absence of an external electric field

B:-In the ferroelectric state the centre of positive charge of the crystal coincides with the centre of negative charge

C:-The plot of polarization versus electric field for the ferroelectric state shows a hysteresis loop

D:-Ferroelectricity usually disappears above a certain temperature called the transition temperature

Correct Answer:- Option-B

Question23:-Which of the following statements is/are true ?

- i. Super conductors have almost zero resistivity
- ii. The external magnetic field has no effect on super conductors
- iii. Barium ferrite can't be used for permanent magnets

A:-Only i and ii are correct

B:-Only ii is correct

C:-Only i and iii are correct

D:-Only i is correct

Correct Answer:- Option-D

Question24:-Pick out the wrong statement

A:-Piezoelectric materials produce electric charges when mechanical stress is applied

B:-Piezoelectric materials used for converting energy are called transducer

C:-All piezoelectric materials are ferro electric

D:-Piezoelectricity is shown by materials which are asymmetric

Correct Answer:- Option-C

Question25:-IUPAC name of 9-BBN

A:-9-Borabicyclo [3.2.3] octane

B:-9-Borabicyclo [3.3.2] octane

C:-9-Borabicyclo [3.3.2] nonane

D:-9-Borabicyclo [3.3.1] nonane

Correct Answer:- Option-D

Question26:-How many stereoisomer/stereoisomers are possible for cyclopropan-1, 2-dicarboxylic acid ?

A:-1

B:-2

C:-3

D:-4

Correct Answer:- Option-C

Question27:-Which among the following statement is correct, when the given compound is reduced with NaBH_4 through Re-face and Si-face ?



A:-Re-face attack will give endo product, isoborneol

B:-Si-face attack will give endo product, borneol

C:-Si-face attack will give exo product, borneol

D:-Re-face attack will give endo product, borneol

Correct Answer:- Option-D

Question28:-Optical isomerism of 2, 3-pentadiene and BINAP are due to

A:-axial chirality

B:-helical chirality

C:-asymmetric carbon

D:-none of these

Correct Answer:- Option-A

Question29:-7-Bromo-1, 3, 5-heptatriene gives $\rightarrow \text{A} + \text{Br}^\ominus$ then which among the following statement is correct for A ?

A:-an antiaromatic compound with 8π electrons

B:-an aromatic compound with 6π electrons

C:-homoaromatic compound with 6π electrons

D:-an aromatic with 8π electrons

Correct Answer:- Option-B

Question30:-The nature of intermediate and stereochemistry of addition reaction of Br_2 with cyclic pentene

A:-Carbocation with syn addition

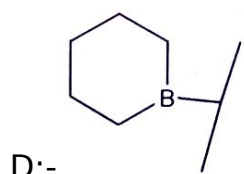
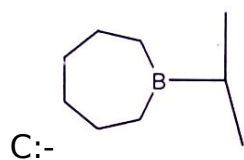
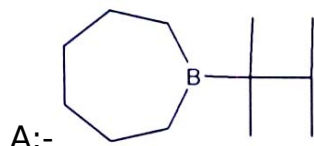
B:-Bromonium ion with syn addition

C:-Carbocation with anti addition

D:-None of these

Correct Answer:- Option-D

Question31:-A hexadiene with unsaturation in terminal positions on reaction with tetrylborane give



Correct Answer:- Option-A

Question32:-Which of the following involves the reaction of a stable carbenium ion with nitrile followed by hydrolysis gives an amide ?

A:-Stork enamine reaction

B:-Prelizhaev reaction

C:-Ritter reaction

D:-Thorpe reaction

Correct Answer:- Option-C

Question33:-What are the possible intermediates formed in Favorskii reaction ?

A:-cyclopropanone and enolate

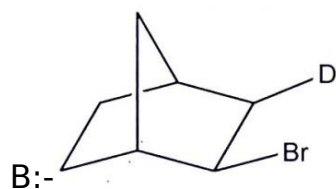
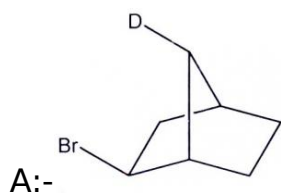
B:-cyclopropanone and carbanion

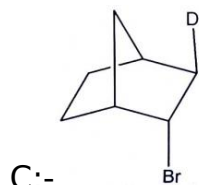
C:-cyclopropane and enolate

D:-cyclopropane and carbanion

Correct Answer:- Option-A

Question34:-Which is/are the possible product of the addition of DBr on norbornene ?





D:-both 1 and 2

Correct Answer:- Option-D

Question35:-Give the product and type of rearrangement taking place when 1-propene is treated with seO_2 in ethanol solvent.

A:-Allylic alcohol and [1, 3] sigmatropic rearrangement

B:-Isopropanol and [1, 3] sigmatropic rearrangement

C:-Allylic alcohol and [2, 3] sigmatropic rearrangement

D:-Isopropanol and [2, 3] sigmatropic rearrangement

Correct Answer:- Option-C

Question36:-Which among the following is correct for Collins reagent ?

A:-a piperidine complex of chromium

B:-a pyridine complex of chromium

C:-a Cr(IV) oxide

D:-both 1 and 3

Correct Answer:- Option-B

Question37:-Maximum number of tetramers that can be synthesized from 3 monomers using mix and split synthesis

A:-64

B:-9

C:-81

D:-126

Correct Answer:- Option-C

Question38:-Which among the following is incorrect for Chugaev reaction ?

A:-It is a pyrolysis reaction

B:-Final product is an olefin

C:- CS_2 is one of the reagent used

D:-It proceeds through 5 membered cyclic transition state

Correct Answer:- Option-D

Question39:-Total number of stereogenic centers present in Thalidomide

A:-2

B:-3

C:-0

D:-1

Correct Answer:- Option-D

Question40:-Huang-Minlon reaction is a modification of which of the following reaction ?

A:-Swern Oxidation

B:-Birch reduction

C:-Wolff Kishner reduction

D:-Pfitzner Moffatt reaction

Correct Answer:- Option-C

Question41:-Which among the following is incorrect statement for Hammett parameter ?

A:- σ_{para} for electron donating groups have negative value

B:- $\sigma_{para} < \sigma_{meta}$ for inductive withdrawal effect of substituent

C:- $\sigma_{para} < \sigma_{meta}$ for substituent with conjugation effect

D:-A positive ρ value means more electron density in transition state than starting material

Correct Answer:- Option-C

Question42:-No. of diagonal and off diagonal peaks obtained from 1H COSY spectral data of chloropropane

A:-3 and 2

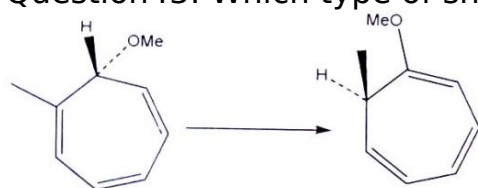
B:-3 and 3

C:-2 and 3

D:-3 and 1

Correct Answer:- Option-A

Question43:-Which type of shift is observed in the given photochemical reaction ?



A:-1, 3 shift in antarafacial pathway

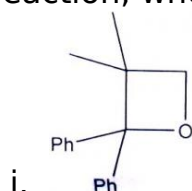
B:-1, 3 shift in suprafacial pathway

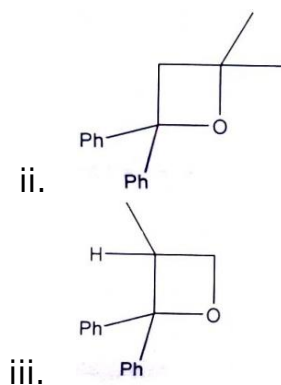
C:-1, 7 shift in suprafacial pathway

D:-1, 7 shift in antarafacial pathway

Correct Answer:- Option-C

Question44:-Which among the following are the products of photochemical reaction, when diphenylketone reacts separately with isobutylene and propylene ?





A:-i and ii

B:-i and iii

C:-ii and iii

D:-i, ii and iii

Correct Answer:- Option-D

Question45:-To which class of terpenoids does citral belongs ?

A:-acyclic monoterpenoids

B:-cyclic diterpenoids

C:-acyclic diterpenoids

D:-none of these

Correct Answer:- Option-A

Question46:-A steroid which is used as an antibiotic.

A:-Amoxicillin

B:-Ergosterol

C:-Cephalosporin

D:-None of these

Correct Answer:- Option-C

Question47:-Merrifield resin is a polymer obtained by the polymerization of

A:-Methy methacrylate and Divinylbenzene

B:-Styrene and 4-Vinyl benzylchloride

C:-Methy methacrylate and vinylchloride

D:-All the above

Correct Answer:- Option-B

Question48:-Which among the following statement regarding Robinson annulation is correct ?

A:-It involves 1, 4 addition followed by electrocyclic reaction

B:-It is a photochemical addition reaction followed by condensation reaction

C:-It is a reaction involving Michael addition and intramolecular aldol condensation

D:-It is a thermally controlled addition reaction followed by sigmatropic rearrangement

Correct Answer:- Option-C

Question49:-Given that the ground electronic configuration of a palladium atom is $[Kr]4d^{10}$, what is the ground state term symbol for Pd ?

A:- 1F_2

B:- 1S_0

C:- 1S_1

D:- 1P_0

Correct Answer:- Option-B

Question50:-Which of the following statement is true about diatomic carbon C_2 and the acetylide ion C_2^{2-} ?

A:- C_2^{2-} has a stronger and a shorter bond than C_2

B:- C_2 has a stronger and a shorter bond than C_2^{2-}

C:-Both of them have bond of equal length

D:-Both of them have bond of unequal length

Correct Answer:- Option-A

Question51:-Identify the eigen function and eigen value for the operator $[d^2/dx^2 + 2d/dx + 3]$ from the following list

A:- $\cos \omega x, -\omega^2$

B:- $e^{\alpha x}, \alpha^2 + 2\alpha + 3$

C:- $e^{j\omega x}, i\omega$

D:- $x^2 e^{6y}, 6$

Correct Answer:- Option-B

Question52:-Choose the operator which is Hermitian from the below listed operators

A:- d/dx

B:- xd/dx

C:- x

D:- id^2/dx^2

Correct Answer:- Option-C

Question53:-Pick out the correct order of increasing boiling point for the molecules Br_2, F_2, I_2, Cl_2

A:- F_2, Cl_2, Br_2, I_2

B:- Br_2, F_2, I_2, Cl_2

C:- I_2, Br_2, Cl_2, F_2

D:- Br_2, Cl_2, F_2, I_2

Correct Answer:- Option-A

Question54:-Calculate the free energy change during the isothermal reversible expansion of one mole of an ideal gas at 300 K from 25 litres to 250 litres.

A:-1382 cal

B:-- 1382 cal

C:-2345 cal

D:-- 2345 cal

Correct Answer:- Option-B

Question55:-The boiling point of a normal liquid is 85°C, its molar enthalpy of vapourisation is _____ if its molar entropy of vapourisation is 21 cal/mol.

A:-6521 cal/mol

B:-2341 cal/mol

C:-- 2341 cal/mol

D:-7518 cal/mol

Correct Answer:- Option-D

Question56:-Fermi Dirac statistics applied to

A:-Photons

B:-Molecules

C:-Electrons

D:-All of the above

Correct Answer:- Option-C

Question57:-State which of the following statements are correct

A:-Indistinguishable identical particles with 0 or integral spin are governed by Pauli's Exclusion Principle

B:-Indistinguishable identical particles with half integral spin follows Fermi Dirac Statistics

C:-Distinguishable identical particles follow Bose Einstein Statistics

D:-None of the above

Correct Answer:- Option-B

Question58:-The standard deviation for the following results of lead content in blood samples. 0.752, 0.756, 0.752, 0.751 and 0.760 ppm lead is

A:-0.0037 ppm Pb

B:-0.0370 ppm Pb

C:-0.0450 ppm Pb

D:-0.8430 ppm Pb

Correct Answer:- Option-A

Question59:-Identify a redox indicator from the below given reagents

A:-Ferriin

B:-Diphenyl amine

C:-Diphenyl amine sulphonic acid

D:-All of the above

Correct Answer:- Option-D

Question60:-Which among the following is a phase transfer catalyst ?

A:-18 Crown 6

B:-Quarternary ammonium salt

C:-Phosphonium compounds

D:-All the above

Correct Answer:- Option-D

Question61:-Choose the stationary phase in Ion Exchange chromatography from the below given list

A:-Silica

B:-Alumina

C:-Polymer resin

D:-Starch

Correct Answer:- Option-C

Question62:-A solution containing 4.48 ppm $KMnO_4$ has a transmittance of 0.309 in a 1cm cell at 520 nm. Calculate the molar absorptivity of $KMnO_4$.

A:- $5.6 \times 10^{-4} Lcm^{-1}mol^{-1}$

B:- $1.8 \times 10^4 Lcm^{-1}mol^{-1}$

C:- $1.8 \times 10^4 mlcm^{-1}mol^{-1}$

D:- $5.6 \times 10^{-4} mlcm^{-1}mol^{-1}$

Correct Answer:- Option-B

Question63:-Choose the correct statements from below mentioned ones

A:-A voltammogram is a plot of current as a function of applied voltage to a micro electrode

B:-The Nernst diffusion layer is the thin layer of stagnant solution immediately adjacent to the surface of an electrode in hydrodynamic voltammetry

C:-The half wave potential is the potential on a voltammetric wave at which the current is one half of the limiting current

D:-All of the above

Correct Answer:- Option-D

Question64:-What is LEED ?

A:-Low energy electron diffraction

B:-Low energy emission decay

C:-Lowest energy electron dispersion

D:-Least energy emission display

Correct Answer:- Option-A

Question65:-Sol on standing reverts back to gel. This phenomenon of reversible sol-gel transformation is generally called

A:-Thixometry

B:-Thixography

C:-Thixotropy

D:-Thixotopy

Correct Answer:- Option-C

Question66:-Choose the correct statement about adsorption from the below mentioned statements.

A:- $\Delta H_{\text{adsorption}}$ is always +ve

B:- $\Delta H_{\text{adsorption}}$ is always -ve

C:- $\Delta H_{\text{adsorption}} = 0$

D:-None of the above

Correct Answer:- Option-B

Question67:-_____ technique provides information on the local density of states or the quantity of electrons existing at specific value of energy in a material.

A:-SEM

B:-TEM

C:-STM

D:-AFM

Correct Answer:- Option-C

Question68:-Fluorescence in which excitation and emission wavelengths are the same is termed

A:-Delayed fluorescence

B:-Phosphorescence

C:-Resonance Fluorescence

D:-Delayed Phosphorescence

Correct Answer:- Option-C

Question69:-_____ is the potential that develops across the interface between two solutions that differ in their electrolyte composition.

A:-cell potential

B:-electrode potential

C:-half cell potential

D:-liquid-junction potential

Correct Answer:- Option-D

Question70:-The formation of bubbles in fluid during high power sonication is called

A:-Cavitation

B:-Bubbling

C:-Self assembly

D:-None of these

Correct Answer:- Option-A

Question71:-The domain which is concerned with neuro muscular co-ordination is called

A:-Affective domain

B:-Cognitive domain

C:-Synthetic domain

D:-Psychomotor domain

Correct Answer:- Option-D

Question72:-Teaching method according to which the learner discovers things for himself is known as

A:-Inductive method

B:-Heuristic method

C:-Analytic method

D:-Deductive method

Correct Answer:- Option-B

Question73:-Which of the following is not included in the levels of classification of Cognitive Domain ?

A:-Organization

B:-Comprehension

C:-Application

D:-Analysis

Correct Answer:- Option-A

Question74:-The theory of Purposive Behaviorism in educational psychology is developed by

A:-Pavlov

B:-Sigmund Freud

C:-Edward Tolman

D:-Thordike

Correct Answer:- Option-C

Question75:-The measure of how much a student has not been able to achieve is called

A:-Achievement test

B:-Ability test

C:-Diagnostic test

D:-Skill test

Correct Answer:- Option-C

Question76:-With reference to the learning theories, consider the following statements

- i. Cognitivism is a psychological science which deals with 'learning how to learn'.
- ii. Constructivism believe that knowledge is formed in the learner by integrating learning activities with prior experiences of the learner.
- iii. Connectivism, also known as Connective Knowledge is the oldest learning theory.

Which of the above statement/s is/are correct ?

A:-Only (ii and iii)

B:-Only (i and ii)

C:-Only (i and iii)

D:-All of the above (i, ii and iii)

Correct Answer:- Option-B

Question77:-Which is the correct expansion of MOOCs ?

A:-Massive Offline Open Courses

B:-Massive Offline and Online Courses

C:-Modern Offline and Online Courses

D:-Massive Open Online Courses

Correct Answer:- Option-D

Question78:-Which of the following statement/s is/are correct about Micro-teaching ?

- i. It is a training procedure for teacher preparation aimed at simplifying the complexities of the regular teaching process.
- ii. It is a scaled down sample of teaching in which a teacher teaches a small unit to a small group for a small period.

A:-Only i

B:-Only ii

C:-Both i and ii

D:-None of the above

Correct Answer:- Option-C

Question79:-According to Anderson's revised version of Bloom's Taxonomy which is the lowest level in the pyramid ?

A:-Remember

B:-Understand

C:-Create

D:-Evaluate

Correct Answer:- Option-A

Question80:-With reference to Educational Philosophy consider the following statements

- i. Naturalism does not believe in God.
- ii. Idealism insists on God and accepts the existence of Spiritual world.
- iii. Pragmatism does not believe in God or spiritual values.

Which of the above statement/s is/are correct ?

A:-Only i and ii

B:-Only ii and iii

C:-Only i and iii

D:-All of the above (i, ii and iii)

Correct Answer:- Option-D

Question81:-Consider the following statements

- i. Review the safeguards by or under the Constitution or any law for the time being in force for the protection of human rights and recommend measures for their effective implementation.
- ii. Inquire, on its own initiative or on a petition presented to it by a victim or any person on his behalf, into the complaint of-violation of human rights or abetment or negligence in the prevention of such violation, by a public servant.

Which of the statements given above is/are correct ?

A:-i only

B:-Both i and ii

C:-Neither i or ii

D:-ii only

Correct Answer:- Option-B

Question82:-Article 51 A incorporates the Fundamental Duties. Which of the following obligations is not addressed by this Article ?

A:-To render military service when called upon to do so

B:-To protect the integrity of India

C:-To adjure violence

D:-To preserve the rich composite culture of India

Correct Answer:- Option-A

Question83:-Article 116 of the Indian Constitution provides for

A:-Grants are being made in advance of the budget approval and completion of the whole procedure

B:-Parliament may by law regulate the procedure for the purpose of timely completion of the financial business

C:-Demand for grants must receive the prior recommendation of the President

D:-When a bill passed by the two Houses of Parliament is presented to the President, the President shall either assent to the Bill or withhold assent, therefore

Correct Answer:- Option-A

Question84:-Which of the following does not fall under the purview of the Indian Union Public Service Commission ?

A:-It conducts examinations for appointments to the all-India services

B:-Matters of temporary appointments for periods exceeding one year and on regularisation of appointments

C:-To provide guidance to the President on issues pertaining to civil service recruitment

D:-To remove the dismissal of civil servants

Correct Answer:- Option-D

Question85:-The right to equality

A:-Prohibits the state from providing particular services for women, children and economically weaker sections

B:-Allows the state to discriminate on the basis of sex

C:-Allows the state to make special provisions for women, children and backward classes

D:-Permits the state to safeguard the national interest

Correct Answer:- Option-C

Question86:-The twenty four hour working of Gender help desk and Gender Resource Centre of Kudumbashree is

A:-Chiri

B:-Snehitha

C:-Sthreeshakthi

D:-Sakhi

Correct Answer:- Option-B

Question87:-Ajeevika is a mission launched by the Ministry of Rural Development (MoRD) aims at

A:-Creating efficient and effective institutional platforms of the rural poor

B:-Enable the poor to increase household income through sustainable livelihood enhancements and improved access to financial services

C:-Enable the poor to achieve increased access to rights, entitlements and public services, diversified risk and better social indicators of empowerment

D:-All of the above

Correct Answer:- Option-D

Question88:-A comprehensive mental health project implemented by the Department of Collegiate Education, Government of Kerala, which focuses on the mental well-being of the students in the government colleges in Kerala

A:-Jeevani

B:-Sukrutham

C:-Thalolam

D:-Avaaz

Correct Answer:- Option-A

Question89:-The primary focus of Aradram Mission is on

A:-No poverty

B:-Good Health and Well being

C:-Clean water and sanitation

D:-Zero hunger

Correct Answer:- Option-B

Question90:-Which is the scheme given below aimed to assist the poor families living below the poverty line in rural areas for taking up self-employment ?

A:-Swarnjayanti Gram Swarozgar Yojana (SGSY)

B:-Prime Minister Rural Development Fellows Scheme

C:-Deen Dayal Upadhyaya Grameen Kaushalya Yojana

D:-Samrithi Yojana

Correct Answer:- Option-A

Question91:-The name of the soil has been derived from Latin word meaning brick. These soils are formed under conditions of high temperature and heavy rainfall with alternate wet and dry periods. Which is the soil ?

A:-Mountain soil

B:-Laterite soil

C:-Arid and Desert soil

D:-Marshy soil

Correct Answer:- Option-B

Question92:-The Harappans extensively used burnt bricks because

- i. They provide defence against frequent floods.
- ii. They provide security to their wealth from robbers.
- iii. Stone was not readily available.
- iv. The mud bricks are not strong in damp and rainy conditions.

Choose the correct answer from the codes given below.

A:-i and ii

B:-i, ii and iii

C:-i, iii and iv

D:-All the above

Correct Answer:- Option-C

Question93:-This programme launched by the Government of India to provide connectivity to unconnected habitations as a part of a poverty reduction strategy. Which is the above mentioned rural development programme ?

A:-Pradhan Mantri Gram Sadak Yojana

B:-Deen Dayal Antyodaya Yojana

C:-Pradhan Mantri Awas Yojana

D:-Sansad Adarsh Gram Yojana

Correct Answer:- Option-A

Question94:-Who participated in all the three round table conferences in addition to Dr. B. R. Ambedkar ?

A:-Mahatma Gandhi

B:-Mohammad Ali Jinnah

C:-V. S. Srinivasa Sastri

D:-Tej Bahadur Sapru

Correct Answer:- Option-D

Question95:-Which is the correct chronological order of the following events ?

- i. Simla conference
- ii. Formation of the Azad Hind Fauj
- iii. Gandhi-Jinnah Talks
- iv. Royal Indian Navy Mutiny
- v. INA Trials started

Choose the answer from the codes given below the list

A:-i, iii, ii, iv and v

B:-ii, iii, i, v and iv

C:-ii, i, iv, iii and v

D:-i, iii, ii, v and iv

Correct Answer:- Option-B

Question96:-He compiled it after a comprehensive and scientific study of Malayalam language published in 1872. It was the outcome of the 25 years of dedicated work. Who compiled the first Malayalam dictionary ?

A:-Benjamin Bailey

B:-Appu Nedungadi

C:-Dr. Herman Gundert

D:-Arnos Pathiri

Correct Answer:- Option-C

Question97:-Which one of the following information is exempted from disclosure ?

A:-Information relating to works

B:-Information relating to samples of materials

C:-Information stored in electronic documents

D:-Information which impede the process of investigation

Correct Answer:- Option-D

Question98:-As a twelve year old boy, he had excited his early teachers by composing 'Lankamardanam' in beautiful Sanskrit. Who composed Lankamardanam ?

A:-Sahodaran Ayyappan

B:-Pandit Karuppan

C:-Ayyankali

D:-Chattampi Swamikal

Correct Answer:- Option-B

Question99:-In which works Chattampi Swamikal has expressed his profound faith in the philosophy of Ahimsa or non violence ?

A:-Jivitakarunya Nirupanam

B:-Kristhumata Nirupanam

C:-Prachina Malayalam

D:-Vedadhikara Nirupanam

Correct Answer:- Option-A

Question100:-"I call it a bedrock of freedom" said Mahatma Gandhi, because the settlement is a document between the people and the state constituting a big step in the direction of liberty in respect at least. The statement connected with which agitation ?

A:-Temple Entry Proclamation

B:-Guruvayur Satyagraha

C:-Paliyam Satyagraha

D:-Vaikom Satyagraha

Correct Answer:- Option-D