

PROVISIONAL ANSWER KEY

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Question1:-Article 51A deals with

- A:-Fundamental rights
 - B:-Fundamental duties
 - C:-Emergency provisions
 - D:-Directive principles
- Correct Answer:- Option-B

Question2:-Who is the first transgender Indian to be elected as Member of Legislative Assembly?

- A:-Shobit Gautam
 - B:-Deepika Sharma
 - C:-Shabnam Mausi
 - D:-Shyam Divakar
- Correct Answer:- Option-C

Question3:-'Rajya Samacharam', the Malayalam newspaper was published by

- A:-Herman Guntert
 - B:-Benjamin Baily
 - C:-W.T. Ringletaube
 - D:-Rev. Meed
- Correct Answer:- Option-A

Question4:-Sri Narayana Guru's famous 'Aruvippuram installation' was in the year

- A:-1856
 - B:-1864
 - C:-1878
 - D:-1888
- Correct Answer:- Option-D

Question5:-Who is considered as the father of political movement in modern Travancore?

- A:-G.P. Pillai
 - B:-Mannathu Padmanabhan
 - C:-Dr. Palpu
 - D:-N. Raman Pillai
- Correct Answer:- Option-A

Question6:-Who was the author of the work 'Karuna'?

- A:-Ullur S. Parameswara Iyer
 - B:-Vallathol Narayana Menon
 - C:-Kumaran Assan
 - D:-Changampuzha Krishna Pillai
- Correct Answer:- Option-C

Question7:-Who was the founder of 'Atma Vidhya Sangham'?

- A:-Brahmananda Sivayogi
 - B:-Vaikunta Swami
 - C:-Chattampi Swamikal
 - D:-Vagbhatananda
- Correct Answer:- Option-D

Question8:-Which work of G. Shankara Kuruppu won for him the Bharatiya Gnana Pidham Award?

- A:-Duravastha
 - B:-Thottiyude Makan
 - C:-Odyil Ninnu
 - D:-Odakuzhal
- Correct Answer:- Option-D

Question9:-Prime Minister Narendra Modi announced the decision on demonetization on

A:-November 6, 2016

B:-November 7, 2016

C:-November 8, 2016

D:-November 9, 2016

Correct Answer:- Option-C

Question10:-Temple Entry Proclamation was issued by

A:-Sri Swathi Tirunal

B:-Sri Chithira Tirunal

C:-Sri Ayilyan Tirunal

D:-Sri Mulam Tirunal

Correct Answer:- Option-B

Question11:-The best order of arranging the teaching process is

i. Relating the present knowledge with the previous knowledge

ii. Evaluation

iii. Reteaching

iv. Formulating objectives

v. Presentation of materials

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

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

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

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

Correct Answer:- Option-D

Question12:-The pitch of voice of a lecturer in the class should be

A:-Moderate

B:-Low

C:-High enough

D:-Sometimes low and sometimes high

Correct Answer:- Option-C

Question13:-Which among the following helps to discriminate between the terms 'Evaluation' and 'Assessment'?

A:-Assessment is an attempt to measure the pupil as a whole whereas evaluation is concerned with his achievement only

B:-Evaluation involves the measurement as well as diagnosis of student's attainments, whereas assessment is concerned with only scholastic attainments

C:-Assessment is limited to cover the achievement whereas evaluation is qualitative in character

D:-Evaluation is concerned with the effective aspects of achievement whereas assessment judges the cognitive aspects

Correct Answer:- Option-B

Question14:-A teacher has to be

A:-Well versed in the subject

B:-A strict disciplinarian

C:-Sympathetic towards slow learners

D:-A continuous learner in the subject

Correct Answer:- Option-C

Question15:-The most important cause of failure in the beginning for a teacher lies in the area of

A:-Inter-personal relationship

B:-Verbal ability

C:-Knowledge of the teacher

D:-Tight handling of the students

Correct Answer:- Option-A

Question16:-Which among the following does not include in describing a research problem?

A:-Scope of the research

B:-Definition of terms

C:-Objectives of research

D:-Review of research

Correct Answer:- Option-D

Question17:-While writing research report a researcher,

- i. Must not use the numerical figures in numbers in the beginning of sentences.
- ii. Must arrange it in logical, topical and chronological order.
- iii. Must compare his results with those of the other studies.

A:-i and ii only

B:-i, ii and iii

C:-ii and iii only

D:-neither i nor ii

Correct Answer:- Option-B

Question18:-The purpose of theory building occurs in

A:-Applied research

B:-Survey research

C:-Action research

D:-Fundamental research

Correct Answer:- Option-D

Question19:-Among the following which is not the characteristic of a researcher,

A:-Specialist rather than a generalist

B:-Industrious and persistent on the trail of discovery

C:-Not inspirational to his chosen field but accepts the reality

D:-Not versatile in his interest and even in his native abilities

Correct Answer:- Option-D

Question20:-Expost-Facto Research is not considered as a true experimental research because

A:-It does not involve manipulation of independent variable

B:-Its precision is low

C:-It does not study cause-effect relationship between the dependent and independent variable

D:-It is an experiment in reverse

Correct Answer:- Option-A

Question21:-The idea of Directive Principles of State Policy was brought to Indian constitution from

A:-Britain

B:-U.S.A.

C:-Ireland

D:-China

Correct Answer:- Option-C

Question22:-The National Institute of Social Defence (NISD) is an autonomous body under the administrative control of the Ministry of

A:-Defence

B:-Finance

C:-Rural Development and Local Administration

D:-Social Justice and Empowerment

Correct Answer:- Option-D

Question23:-The Central Pollution Control Board (CPCB) was established under

A:-Water (Prevention and Control of Pollution) Act, 1974

B:-Environment (protection) act, 1986

C:-Hazardous Waste Handling and Management Act, 1989

D:-National Green Tribunal Act, 2010

Correct Answer:- Option-A

Question24:-Which Article was described by Dr. B.R. Ambedkar as the 'Heart and Soul of the Constitution'?

A:-Article 14

B:-Article 19

C:-Article 22

D:-Article 32

Correct Answer:- Option-D

Question25:-Who was the Chairman of the National Commission to Review the Working of the Constitution (NCRWC) appointed in 1998?

A:-Justice B.P. Jeevan Reddy

B:-Justice M.N. Venkatachali

C:-Justice S. Rajendra Babu

D:-Justice R.C. Lahoti

Correct Answer:- Option-B

Question26:-Union Parliament consists of

A:-Lok Sabha and Rajya Sabha

B:-Lok Sabha, Rajya Sabha and the President of India

C:-Lok Sabha, Rajya Sabha and the Union Council of Ministers

D:-Lok Sabha, Rajya Sabha, President of India and the Governors of the State

Correct Answer:- Option-B

Question27:-The three-tier Panchayat Raj system was accorded constitutional status by

A:-53rd Constitution Amendment Act, 1986

B:-63rd Constitution Amendment Act, 1989

C:-73rd Constitution Amendment Act, 1992

D:-83rd Constitution Amendment Act, 2000

Correct Answer:- Option-C

Question28:-In which year was the Right to Information Act enacted by Indian Parliament?

A:-2005

B:-2004

C:-2000

D:-2006

Correct Answer:- Option-A

Question29:-Which of the following office is not a constitutional body?

A:-National Commission for Scheduled Caste

B:-National Commission for Women

C:-National Commission for Scheduled Tribe

D:-Special Officer for Linguistic Minorities

Correct Answer:- Option-B

Question30:-In which year was a National Policy on Open Standards for E-Governance first notified in India?

A:-2008

B:-2009

C:-2010

D:-2011

Correct Answer:- Option-D

Question31:-A geologic mountain building event caused by Late Palaeozoic continental collision between Euramerica (Laurussia) and Gondwana to form the supercontinent of Pangaea

A:-Alpine Orogeny

B:-Variscan Orogeny

C:-Caledonian Orogeny

D:-Acadian Orogeny

Correct Answer:- Option-B

Question32:-The diamond pipes of South Africa and the Uranium minerals in the Singhbhum granites of Jaduguda, Bihar are best examples of _____ type of deposits.

A:-Segregation

B:-Dissemination

C:-Sublimation

D:-Injection

Correct Answer:- Option-B

Question33:-Underground water that occurs within the zone of aeration is called

A:-Juvenile water

B:-Phreatic water

C:-Vadose water

D:-Gravitational water

Correct Answer:- Option-C

Question34:-The theory of 'cycle of erosion' in Geomorphology is credited to which of the following persons?

A:-Pierre Perrault

B:-Walther Penck

C:-William Morris Davis

D:-Lester Charles King

Correct Answer:- Option-C

Question35:-The maximum number of axis of symmetry possible in a crystal

- A:-9
- B:-12
- C:-10
- D:-13

Correct Answer:- Option-D

Question36:-The metamorphic facies considered as a transition between diagenesis and regional metamorphism.

- A:-Zeolite facies
- B:-Ecologic facies
- C:-Sanidinite facies
- D:-Greenschist facies

Correct Answer:- Option-A

Question37:-The greatest period of coal formation in India

- A:-Palaeogene
- B:-Carboniferous
- C:-Permian
- D:-Cretaceous

Correct Answer:- Option-C

Question38:-A horizontal tunnel made parallel to the strike of the lode or vein of mineralization, which can be located in the country rock also either on the foot wall side of the lode or in the hanging wall side of the lode.

- A:-Drive
- B:-Winze
- C:-Stope
- D:-Adit

Correct Answer:- Option-A

Question39:-In optical mineralogy, an ellipsoid with the three major semi-axes are denoted as $n_{(\alpha)}$, $n_{(\beta)}$ and $n_{(\gamma)}$, where $n_{(\alpha)} > n_{(\beta)} > n_{(\gamma)}$ and whose three principal sections are ellipses is called

- A:-Isotropic Indicatrix
- B:-Uniaxial Indicatrix
- C:-Biaxial Indicatrix
- D:-Triaxial Indicatrix

Correct Answer:- Option-C

Question40:-_____ streams drain in the opposite direction to the original consequent streams.

- A:-Resequent
- B:-Obsequent
- C:-Antecedent
- D:-Subsequent

Correct Answer:- Option-B

Question41:-The type of remote sensing characteristic of the 0.1-100 cm wavelength band of the electromagnetic spectrum.

- A:-Visible remote sensing
- B:-Optical remote sensing
- C:-Thermal Infra-red remote sensing
- D:-Microwave remote sensing

Correct Answer:- Option-D

Question42:-The Milankovitch theory is related to which of the following stratigraphic techniques?

- A:-Cyclostratigraphy
- B:-Sequence stratigraphy
- C:-Chemostratigraphy
- D:-Magnetostratigraphy

Correct Answer:- Option-A

Question43:-Match the following and find the correct answer.

- (a) Chitravati Group (1) Gulcheru Quartzite
- (b) Kistna Group (2) Bairenkonda Quartzite
- (c) Papaghni Group (3) Srisailam Quartzite
- (d) Nallamalai Group (4) Banganapalle Quartzite
- (e) Kurnool Group (5) Pulivendla Quartzite

A:-a-4, b-2, c-3, d-5, e-1

B:-a-5, b-3, c-2, d-4, e-1

C:-a-5, b-3, c-1, d-2, e-4

D:-a-3, b-5, c-2, d-1, e-4

Correct Answer:- Option-C

Question44:-Which of the following statement related to graptolites is correct?

A:-Order Graptoloidea were benthonic and Order Dendroidea were planktonic

B:-Only the planktonic graptolites are sufficiently numerous and widespread to have biostratigraphic value

C:-Graptolites are important index fossils for dating Mesozoic rocks

D:-Graptolite fossils are richest in rocks formed on the outer parts of continental slopes

Correct Answer:- Option-B

Question45:-Which of the following types of faults are related to Schuppen structures?

A:-Thrust faults

B:-Reverse faults

C:-Normal faults

D:-Enechelon faults

Correct Answer:- Option-A

Question46:-The system of classification of igneous rocks based primarily on the silica saturation principle, according to which "certain minerals cannot exist in the presence of free silica".

A:-CIPW classification

B:-Rosenbuch's classification

C:-IUGS classification

D:-Shand's classification

Correct Answer:- Option-D

Question47:-The metamorphic structure produced by thermal metamorphism of argillaceous rocks, which is characterized by spotted appearance due to the development of equi-dimensional minerals and porphyroblasts of andalusite, cordierite, biotite, chloritoid, etc.

A:-Maculose structure

B:-Gneissose structure

C:-Granulose structure

D:-Cataclastic structure

Correct Answer:- Option-A

Question48:-A helpful guide in geochemical prospecting in assessing the relative values of the various elements present and which tells about the amount of a particular element present in the parent rock not affected by dispersion or migration.

A:-Threshold value

B:-Anomalous value

C:-Background value

D:-Leakage value

Correct Answer:- Option-C

Question49:-The typical crystal form in Isometric system, which is bounded by 12 faces, each of which is a pentagon but with one edge longer than the other four similar edges.

A:-Trapezohedron

B:-Diploid

C:-Dodecahedron

D:-Pyritohedron

Correct Answer:- Option-D

Question50:-Under which category do the Radiolarian and Diatomaceous oozes come?

- A:-Calcareous organic deposits
 - B:-Siliceous organic deposits
 - C:-Phosphatic organic deposits
 - D:-Carbonaceous organic deposits
- Correct Answer:- Option-B

Question51:-Which of the following represents the Thiem's equation to determine the transmissivity of an aquifer?

- A:- $T = 2.3Q / 4 \pi \Delta s$
 - B:- $T = (Q)/(4 \pi s) W(u)$
 - C:- $T = (Q)/(2 \pi (s_1 - s_2)) \ln(r_2)/(r_1)$
 - D:- $T = (2.25 Q)/(2 \pi s) W(u)$
- Correct Answer:- Option-C

Question52:-The other name for non-spatial data in GIS

- A:-Attribute data
 - B:-Vector data
 - C:-Raster data
 - D:-Geographic data
- Correct Answer:- Option-A

Question53:-Which of the following environmental impacts of mining and quarrying has large scale effects on the hydrosphere?

- A:-Land degradation
 - B:-Acid mine drainage
 - C:-Deforestation
 - D:-Air pollution
- Correct Answer:- Option-B

Question54:-Which of the following systems of ranking of streams tells us that stream orders do not reflect any increments except approximate doubling of the discharge, assuming that streams of the same order in the same drainage basin are approximately equal in discharge?

- A:-Horton' system
 - B:-Shreve's system
 - C:-Leopold's system
 - D:-Strahler's system
- Correct Answer:- Option-D

Question55:-The stratigraphic succession that has provided the Markrana Marbles, the excellent building stones used in the construction of the Taj Mahal at Agra.

- A:-Aravalli Group
 - B:-Ajabgarh Group
 - C:-Raialo Group
 - D:-Gwalior Group
- Correct Answer:- Option-C

Question56:-Which of the following descriptions is correct for a brachiopod shell?

- A:-Inequilateral and unequal
 - B:-Equilateral and unequal
 - C:-Equilateral and equal
 - D:-Inequilateral and equal
- Correct Answer:- Option-B

Question57:-What is the ratio of transverse strain to axial strain called?

- A:-Poisson's ratio
 - B:-Bulk modulus
 - C:-Rigidity modulus
 - D:-Rheidity ratio
- Correct Answer:- Option-A

Question58:-Petrofabric analysis of rocks involves the study of mostly _____ minerals.

- A:-Isotropic
 - B:-Uniaxial
 - C:-Biaxial
 - D:-Tabular/Bladed
- Correct Answer:- Option-B

Question59:-A sedimentary deposit that exhibits extraordinary fossil richness or completeness with exceptional preservation, sometimes including preserved soft tissues.

- A:-Biozone

B:-Lagerstätte

C:-Hemera

D:-Epibole

Correct Answer:- Option-B

Question60:-The largest felsic volcanic province of India.

A:-Maleri Volcanic Suite

B:-Dras Volcanics

C:-Deccan Basalt Province

D:-Malani Igneous Suite

Correct Answer:- Option-D

Question61:-The chemical weathering process which is responsible for the conversion of potash feldspar (orthoclase) in the rocks to clay mineral and colloidal silica.

A:-Hydrolysis

B:-Hydration

C:-Oxidation

D:-Solution

Correct Answer:- Option-A

Question62:-The Kerala coast is described as a _____ coast, falling under the 'Terrigenous coast of primarily morphologic disequilibrium'.

A:-Dalmation

B:-Divergent

C:-Submergent

D:-Emergent

Correct Answer:- Option-C

Question63:-In the concept of Integrated Solid Waste Management (ISWM), which of the following comes at the top of the hierarchy?

A:-Disposal

B:-Reduction

C:-Reuse

D:-Recovery

Correct Answer:- Option-B

Question64:-Which of the following statements is NOT CORRECT?

A:-A perched aquifer is a special type of unconfined aquifer

B:-Confined aquifers are also known as pressure aquifers

C:-The water level in a well penetrating a confined aquifer defines the elevation of the piezometric surface at that point

D:-Pumping from a well in a leaky aquifer removes water by only horizontal flow within the aquifer

Correct Answer:- Option-D

Question65:-The system of geochronological dating that has been very valuable in studying the oldest components of the continental crust because of its survival through various alteration processes.

A:-Sm-Nd system

B:-Rb-Sr system

C:-K-Ar system

D:-U-Pb system

Correct Answer:- Option-A

Question66:-The typical texture exhibited by lamprophytes

A:-Rapakivi texture

B:-Panidiomorphic texture

C:-Ophitic texture

D:-Poikilitic texture

Correct Answer:- Option-B

Question67:-Which of the following is the correct sequence of Barrowian zones according to the increasing grade of metamorphism?

A:-Biotite zone → Garnet zone → Chlorite zone → Kyanite zone → Sillimanite zone → Staurolite zone

B:-Chlorite zone → Biotite zone → Sillimanite zone → Garnet zone → Staurolite zone → Kyanite zone

C:-Sillimanite zone → Chlorite zone → Biotite zone → Kyanite zone → Garnet zone → Staurolite zone

D:-Chlorite zone → Biotite zone → Garnet zone → Staurolite zone → Kyanite zone → Sillimanite zone

Correct Answer:- Option-D

Question68:-The mouth of most echinoids is provided with five hard teeth arranged in a cirlet forming an apparatus known as _____.

A:-Cranidium

- B:-Escutcheon
- C:-Aristotle's lantern
- D:-Apical disc

Correct Answer:- Option-C

Question69:-The oldest gneiss in Western Dharwar craton is a suite of trondhjemitic gneisses with associated tonalities and granodiorites known as

- A:-Gorur Gneiss
- B:-Peninsular Gneiss
- C:-Champion Gneiss
- D:-Tirodi Gneiss

Correct Answer:- Option-A

Question70:-Match the following and choose the correct answer.

- (1) Chevron fold (a) Concentric fold
- (2) Box fold (b) Concertina fold
- (3) Parallel fold (c) Nappe fold
- (4) Recumbent fold (d) Coffer fold

- A:-1-c, 2-d, 3-b, 4-a
- B:-1-b, 2-a, 3-d, 4-c
- C:-1-d, 2-c, 3-a, 4-b
- D:-1-b, 2-d, 3-a, 4-c

Correct Answer:- Option-D

Question71:-The storage coefficient of storativity for an unconfined aquifer corresponds to its

- A:-Hydraulic conductivity
- B:-Specific retention
- C:-Specific yield
- D:-Transmissivity

Correct Answer:- Option-C

Question72:-The quality of groundwater samples falling in Area-7 of the diamond-shaped field of the Hill-Piper Trilinear diagram.

- A:-Saline water
- B:-Good water
- C:-Relatively good water
- D:-Hard water

Correct Answer:- Option-A

Question73:-The capacity of a remote sensor to discriminate two targets based on its reflectance/ emittance difference

- A:-Spectral resolution
- B:-Temporal resolution
- C:-Radiometric resolution
- D:-Spatial resolution

Correct Answer:- Option-C

Question74:-Which of the following is the correct order of precipitation of metallic sulphides according to increasing solubilities in the zone of supergene enrichment?

- A:-Co, Pb, Ag, Cu, Zn
- B:-Ag, Cu, Pb, Zn, Co
- C:-Cu, Zn, Ag, Co, Pb
- D:-Pb, Ag, Cu, Co, Zn

Correct Answer:- Option-B

Question75:-Which of the following mining methods is related to the recovery of metalliferous nodules or crust from the deep oceans?

- A:-Breast stopping system
- B:-Sluicing system
- C:-Continuous line bucket system
- D:-Drag line system

Correct Answer:- Option-C

Question76:-In the five major petroliferous basins of India, hydrocarbon entrapment is mainly in the classic reservoirs except the

- A:-Cambay Basin
- B:-Krishna-Godavari Basin
- C:-Cauvery Basin
- D:-Bombay Offshore Basin

Correct Answer:- Option-D

Question77:-Match the following and choose the correct answer.

Plant Indicators	Element
(a) Ocimum centraliafricanum	(1) Silver
(b) Eriogonum ovalifolium	(2) Gold
(c) Viola calaminaria	(3) Copper
(d) Equisetum avense	(4) Zinc

- A:-a-3, b-4, c-2, d-1
- B:-a-4, b-3, c-1, d-2
- C:-a-2, b-1, c-4, d-3
- D:-a-3, b-1, c-4, d-2

Correct Answer:- Option-D

Question78:-The type of mass wasting confined to channels

- A:-Mudflow
- B:-Earthflow
- C:-Solifluction
- D:-Debris slide

Correct Answer:- Option-A

Question79:-Which of the following soils are the dominant soils of the humid temperate regions?

- A:-Tundra soils
- B:-Chernozems
- C:-Laterite soils
- D:-Podzols

Correct Answer:- Option-D

Question80:-The X-ray spectrometer used for the investigation of crystal structure was first developed by

- A:-W.H. Bragg and W.L. Bragg
- B:-Friedrich and Knipping
- C:-Auguste Bravais
- D:-Debye and Scherrer

Correct Answer:- Option-A

Question81:-A kind of metallic colour shown by non-metallic minerals like hypershenes in which a peculiar play of light appears when the minerals are examined so that their crystal faces or cleavage faces are at a particular angle to the incident illumination.

- A:-Opalescence
- B:-Iridescence
- C:-Schillerization
- D:-Phosphorescence

Correct Answer:- Option-C

Question82:-The elements having a strong affinity for silicates are called

- A:-Chalcophile elements
- B:-Lithophile elements
- C:-Atmospheric elements
- D:-Siderophile elements

Correct Answer:- Option-B

Question83:-The measures taken to reduce both the effect of natural hazards and to reduce the scale of intensity of a forthcoming disaster.

- A:-Response
- B:-Recovery
- C:-Mitigation
- D:-Preparedness

Correct Answer:- Option-C

Question84:-The type mineral of Normal Class of Orthorhombic system

- A:-Baryte
- B:-Calcite
- C:-Gypsum
- D:-Beryl

Correct Answer:- Option-A

Question85:-Which of the following is the correct hierarchical order of increasing abundance of the most common elements of the continental crust of the earth?

- A:-Fe → Ca → Al → O → Si
- B:-Al → O → Fe → Si → Ca
- C:-Si → Al → Fe → Ca → O
- D:-Ca → Fe → Al → Si → O

Correct Answer:- Option-D

Question86:-Inequigranular alkali peridotites containing rounded and corroded phenocrysts of olivine, phlogopite, Mg-rich ilmenite and pyrope in a fine grained matrix of olivine, phlogopite, serpentine, perovskite, spinel, calcite and/or dolomite.

- A:-Lherzolites
- B:-Carbonatites
- C:-Komatites
- D:-Kimberlites

Correct Answer:- Option-D

Question87:-Sandstone with abundance of feldspar usually derived from the disintegration of granite

- A:-Greywacke
- B:-Arenite
- C:-Arkose
- D:-Ganister

Correct Answer:- Option-C

Question88:-Who among the following established the term 'Ordovician' for the geological period of Palaeozoic Era?

- A:-Roderick Murchison
- B:-Adam Sedgwick
- C:-J.D. Dana
- D:-Charles Lapworth

Correct Answer:- Option-D

Question89:-The famous Panna diamond field in India is situated in the country of rocks belonging to

- A:-Kaimur Group
- B:-Rewa Group
- C:-Semri Group
- D:-Bhander Group

Correct Answer:- Option-B

Question90:-Which of the following statements is CORRECT?

- A:-RADAR is a type of passive remote sensing system
- B:-Along-track scanner is also known as Push-broom scanner
- C:-SPOT is the earth observation satellite launched by NASA
- D:-The first operational earth observation remote sensing satellite of India is Aryabhata

Correct Answer:- Option-B

Question91:-If groundwater is extracted at a rate exceeding the recharge in a groundwater basin, it will result in

- A:-Mining yield
- B:-Specific yield
- C:-Safe yield
- D:-Perennial yield

Correct Answer:- Option-A

Question92:-Which of the following water well construction methods is best suited for silt, sand, gravel less than 5 cm and soft to hard consolidate rock formations?

- A:-Rotary percussion method

B:-Reverse circulation rotary method

C:-Cable tool method

D:-Jetted well method

Correct Answer:- Option-A

Question93:-The type of ore dressing or mineral processing that refers to particle size reduction

A:-Sizing

B:-Concentration

C:-Dewatering

D:-Communitation

Correct Answer:- Option-D

Question94:-A medium grained metamorphic rock consisting mainly of omphacite and pyrope

A:-Khondalite

B:-Eclogite

C:-Hornfels

D:-Amphibolite

Correct Answer:- Option-B

Question95:-Which of the following pairs is correctly matched?

A:-Warkalli Beds : Palaeocene

B:-Niniyur Beds : Early Cretaceous

C:-Bagh Beds : Late Cretaceous

D:-Lameta Beds : Late Jurassic

Correct Answer:- Option-C

Question96:-The sediment filled troughs formed by normal faulting in the early stages of spreading of a Mid-Oceanic Ridge

A:-Sinks

B:-Triple junctions

C:-Aulacogens

D:-Arc-Trenches

Correct Answer:- Option-C

Question97:-One of the best methods for the accurate determination of the degree of hardness of minerals is by the use of an instrument called

A:-Pycnometer

B:-Sclerometer

C:-Pyrometer

D:-Lysimeter

Correct Answer:- Option-B

Question98:-The equivalents of Wayanad Group of rocks of Kerala stratigraphy in the Dharwar craton

A:-Chitradurga group

B:-Sargur group

C:-Bababudan group

D:-Peninsular Gneissic complex

Correct Answer:- Option-B

Question99:-Which of the following statements related to the Bowen's Reaction Series is CORRECT?

A:-Reactions between crystals and melt occur only during certain portions of the cooling sequence in the series

B:-The minerals that occur at the upper portions of the series are characteristic of granites

C:-The left branch of the series consist of a variety of mineral types that form a continuous reactions series

D:-The minerals that occur lower in the series crystallize at higher temperatures and are characteristic of basalts

Correct Answer:- Option-A

Question100:-In an unconfined coastal aquifer with a hydrostatic balance or equilibrium between fresh water and saline water under typical water conditions, the Ghyben-Herzberg relation shows that

A:-the elevation of the water table above MSL is 40 times the depth of freshwater-saline water interface below MSL

B:-the freshwater-saline water interface lies above MSL at a height of 40 times the elevation of water table above MSL

C:-the depth of the freshwater-saline water interface below MSL is equal to the elevation of water table above MSL

D:-the freshwater-saline water interface lies below MSL at a depth of 40 times the elevation of water table above MSL

Correct Answer:- Option-D