

PROVISIONAL ANSWER KEY

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Question1:-"If you don't allow our children to study, weeds will grow in your fields" Who said this ?

- A:-ChattampiSwamikal
 - B:-Ayyankali
 - C:-Pandit Karuppan
 - D:-Sahodaran Ayyappan
- Correct Answer:- Option-B

Question2:-Who wrote the monograph, "Gandhian Non-violent struggle and Untouchability in South India : The 1924-25 Vykom Satyagraha and Mechanism of Change" ?

- A:-Dr. Gene Sharp
 - B:-Mary Elizabeth King
 - C:-Anuradha Roy
 - D:-K. K. Kusumam
- Correct Answer:- Option-B

Question3:-Which of the following book is written by Kuttippuzha Krishnapillai ?

- A:-Atmaposhini
 - B:-Vicharaviplavam
 - C:-Mokshapradeepam
 - D:-Janani Navaratnamanjari
- Correct Answer:- Option-B

Question4:-Under whose leadership was the "Achipudava Strike" organized ?

- A:-Arattupuzha Velayudha Panicker
 - B:-Ambalapuzha Madhava Kurup
 - C:-A. V. Kuttimalu Amma
 - D:-Akkamma Cheriyan
- Correct Answer:- Option-A

Question5:-Who started a branch of the BrahmoSamaj at Calicut ?

- A:-Ayya Swamikal
 - B:-Dr. Ayyathan Gopalan
 - C:-Ayyankali
 - D:-Brahmananda Sivayogi
- Correct Answer:- Option-B

Question6:-Kerala Government's 'Awaz' Scheme offers

- A:-Health Insurance for migrant workers
 - B:-Insurance for the disabled people
 - C:-House to all houseless families
 - D:-Free treatment to children
- Correct Answer:- Option-A

Question7:-President of which country recently resigned from his post after 37 year autocratic rule ?

- A:-Congo
 - B:-Angola
 - C:-Zimbabwe
 - D:-Kenya
- Correct Answer:- Option-C

Question8:-Which is India's last village ?

- A:-Mana
 - B:-Tawang
 - C:-Zuluk
 - D:-Dawki
- Correct Answer:- Option-A

Question9:-India's largest floating solar plant has been set up at

- A:-Mattupetty Dam
 - B:-Pothundi Dam
 - C:-Kakkayam Dam
 - D:-BanasuraSagar Dam
- Correct Answer:- Option-D

Question10:-With which country India signed Rafale Warplanes Agreement ?

- A:-America
 - B:-France
 - C:-Russia
 - D:-South Korea
- Correct Answer:- Option-B

Question11:-The concept of 'Welfare State' is included in the Constitution of India in the

- A:-Fundamental Rights
 - B:-Directive Principles of State Policy
 - C:-Preamble
 - D:-None of these
- Correct Answer:- Option-B

Question12:-The allotment of seats in the Rajya Sabha from States and Union Territories has been given in which schedule of the Constitution of India ?

- A:-`8^(th)` Schedule
 - B:-`3^(rd)` Schedule
 - C:-`9^(th)` Schedule
 - D:-`4^(th)` Schedule
- Correct Answer:- Option-D

Question13:-In which case the Supreme Court took the view that Fundamental Rights and Directive Principles are complementary to each other and there was need to sacrifice one for the other.

- A:-Keshavananda Bharati Case
 - B:-Golaknath Case
 - C:-Minerva Mill Case
 - D:-A. K. Gopalan Case
- Correct Answer:- Option-C

Question14:-The common feature of Indian and American federation is

- A:-Executive is responsible to legislature
 - B:-Single citizenship
 - C:-Suspension of Fundamental Rights during emergency
 - D:-Federal Supreme Court to interpret the Constitution
- Correct Answer:- Option-D

Question15:-Leaving the opposition to join the party in power or vice-versa by a Parliamentarian

- A:-Crossing the floor
 - B:-Yeilding the floor
 - C:-Gerrymandering
 - D:-Guillotine
- Correct Answer:- Option-A

Question16:-Which article describe the procedure of impeachment ?

- A:-Article 51
 - B:-Article 55
 - C:-Article 56
 - D:-Article 61
- Correct Answer:- Option-D

Question17:-Which was the first country in the world to have enacted a legislation for providing for citizens RTI ?

- A:-Denmark
 - B:-Sweden
 - C:-India
 - D:-Australia
- Correct Answer:- Option-B

Question18:-The National Food Security Act was signed in to law on

- A:-`22^(nd)` December, 2011
- B:-`12^(th)` September, 2012

C:-`12^(th)` September, 2013

D:-`5^(th)` July, 2013

Correct Answer:- Option-C

Question19:-Which one of the following statements is not true of the protection of women from Domestic Violence Act, 2005 ?

A:-Only women can make a complaint under this legislation

B:-Relief may be sought only against the husband or a male live-in partner with whom has live in a domestic relationship

C:-This act provides civil remedies to protect a women subjected to domestic violence

D:-This act includes not just wives but also women in marriage-like relationships

Correct Answer:- Option-A

Question20:-Among the following who are eligible to benefit from the "Mahatma Gandhi National Rural Employment Guarantee Act" ?

A:-Adult members of below poverty line

B:-Adult members of any households

C:-Adult members of only the scheduled caste and scheduled tribe households

D:-Adult members of households of all backward communities

Correct Answer:- Option-B

Question21:-Identify the factors affecting selection of teaching method.

A) Objectives of instruction

B) Nature of child

C) Nature of the subject matter

D) All of these

A:-C

B:-A

C:-D

D:-B

Correct Answer:- Option-C

Question22:-A brief summary of proposal or dissertation

A:-Abstract

B:-Thesis

C:-Report

D:-Proposal

Correct Answer:- Option-A

Question23:-Research purposes may be grouped into :

A) Exploration

B) Description

C) Diagnosis

D) Experimentation

A:-A), B), C)

B:-C), D), A)

C:-B), C), D)

D:-All of these

Correct Answer:- Option-D

Question24:-Grading in which fixed ranges of scores are determined in advance for each grade.

A:-Direct grading

B:-Absolute grading

C:-Relative grading

D:-None of these

Correct Answer:- Option-B

Question25:-Research aims at finding solution for immediate problem facing in a society.

A:-Descriptive research

B:-Analytical research

C:-Conceptual research

D:-Applied research

Correct Answer:- Option-D

Question26:-'A lamp can never light another lamp, unless it continues to burn its own flame'. What does this imply ?

A:-Pre-service education

B:-Vocational education

C:-Life long education

D:-Technical education

Correct Answer:- Option-C

Question27:-Socialised method intended to improve individual proficiency and development of psychomotor skills of learner

- A:-Workshop
- B:-Symposium
- C:-Panel discussion
- D:-Seminar

Correct Answer:- Option-A

Question28:-Identify the odd one while researching with children.

- A:-Informed consent of parties to research
- B:-Confidentiality of data collected
- C:-Subjectivity of researcher
- D:-Competence boundary of researcher

Correct Answer:- Option-C

Question29:-Which among the following is a creative problem solving technique ?

- A:-Role play
- B:-Brain storming
- C:-Buzz session
- D:-Simulation

Correct Answer:- Option-B

Question30:-Which among these is not descriptive research ?

- A:-Survey studies
- B:-Interrelationship studies
- C:-Developmental studies
- D:-Historical research

Correct Answer:- Option-D

Question31:-Recrystallisation of rocks in response to changes in the physical and chemical environment is

- A:-Metamorphism
- B:-Metasomatism
- C:-Weathering
- D:-All the above

Correct Answer:- Option-D

Question32:-Chemical reactions involved in the alteration of feldspar to clay

- A:-Hydration
- B:-Carbonation
- C:-Hydration and carbonation
- D:-Carbonation and oxidation

Correct Answer:- Option-C

Question33:-Which among the following is not an erosional feature formed by wind ?

- A:-Zeugens
- B:-Yardangs
- C:-Hamades
- D:-Playas

Correct Answer:- Option-D

Question34:-Groynes protects the coast from the action of

- A:-Breaking waves
- B:-Longshore currents
- C:-Surf
- D:-Rip currents

Correct Answer:- Option-B

Question35:-Kayals along the west coast of Kerala are formed by

- A:-Submergence of land
- B:-Emergence of land
- C:-Erosion of land
- D:-All the above

Correct Answer:- Option-A

Question36:-Munnar plateau in Kerala represent

- A:-Planation surface
- B:-Lava flow
- C:-Bajada

D:-Delta

Correct Answer:- Option-A

Question37:-Landslides in Kerala are commonly triggered by

A:-Seismicity

B:-Rainfall

C:-Anthropogenic activities

D:-All the above

Correct Answer:- Option-B

Question38:-Waves in which water particles describe circular motion

A:-Oscillatory waves

B:-Translatory waves

C:-Surf

D:-All the above

Correct Answer:- Option-A

Question39:-Uniformitarianism concept was put forth by

A:-Harry Hess

B:-William Smith

C:-Charles Lyell

D:-James Hutton

Correct Answer:- Option-D

Question40:-Which among the following is a fluvial feature ?

A:-Stack

B:-Natural levee

C:-Esker

D:-Tombolo

Correct Answer:- Option-B

Question41:-Crystal form with 2 parallel faces each meeting one axis and parallel to other two axes is

A:-Pedian

B:-Pinacoid

C:-Dome

D:-Sphenoid

Correct Answer:- Option-B

Question42:-Maximum number of faces possible in a simple form is

A:-24

B:-46

C:-48

D:-56

Correct Answer:- Option-C

Question43:-Which of the following classes have centre of symmetry ?

A:-Plagihedral class of isometric system

B:-Trirhombohedral class of Hexagonal system

C:-Trapexohedral class of tetragonal system

D:-Sphenoidal class of orthorhombic system

Correct Answer:- Option-B

Question44:-Most abundant mineral in the earth's crust

A:-Olivine

B:-Pyroxene

C:-Feldspar

D:-Quartz

Correct Answer:- Option-C

Question45:-Which of the following mineral do not have two sets of cleavage ?

A:-Hornblende

B:-Pyroxene

C:-Feldspar

D:-Mica

Correct Answer:- Option-D

Question46:-Varying relief is exhibited by

A:-Garnet

B:-Sillimanite

C:-Calcite

D:-Quartz

Correct Answer:- Option-C

Question47:-Kaersutite is a/an

A:-Amphible

B:-Garnet

C:-Pyroxene

D:-Feldspar

Correct Answer:- Option-A

Question48:-In optically positive uniaxial mineral

A:-Ordinary light is fast

B:-Ordinary light is slow

C:-Both ordinary and extraordinary light are fast

D:-Both ordinary and extraordinary light are slow

Correct Answer:- Option-A

Question49:-A mineral which shows maximum absorption when the polarizer vibration direction is parallel to cleavage traces

A:-Hornblende

B:-Hypersthene

C:-Tourmaline

D:-Biotite

Correct Answer:- Option-D

Question50:-U-Pb radiometric technique is good for dating

A:-Peridotite

B:-Gabbroic rocks

C:-Pyroxenite

D:-Granitic rocks

Correct Answer:- Option-D

Question51:-Igneous rock which do not have a volcanic equivalent

A:-Carbonatite

B:-Kimberlite

C:-Anorthosite

D:-Gabbro

Correct Answer:- Option-B

Question52:-Intermediate mineral in forsterite-silica system

A:-Fayalite

B:-Enstatite

C:-Ferrosilite

D:-Hypersthene

Correct Answer:- Option-B

Question53:-Most abundant sedimentary rock

A:-Mudrock

B:-Sandstone

C:-Limestone

D:-Laterite

Correct Answer:- Option-A

Question54:-Ultramafic rock which is not ultrabasic

A:-Dunite

B:-Peridotite

C:-Anorthosite

D:-Pyroxenite

Correct Answer:- Option-D

Question55:-Characteristic pyroxene in eclogite

A:-Aegirine

B:-Hypersthene

C:-Omphacite

D:-Pyrope

Correct Answer:- Option-C

Question56:-In Thompson's AFM diagram the projection point is

A:-K-feldspar

B:-Muscovite

C:-Quartz

D:-Sillimanite

Correct Answer:- Option-B

Question57:-Flysch denotes intercalations of

A:-Conglomerate, sandstone and limestone

B:-Breccia, sandstone and shale

C:-Shale, sandstone and limestone

D:-Conglomerate, sandstone and shale

Correct Answer:- Option-C

Question58:-Most abundant igneous rock in earth

A:-Granite

B:-Basalt

C:-Anorthosite

D:-Peridotite

Correct Answer:- Option-D

Question59:-Kurtosis would give an idea about

A:-Average size of grains

B:-Peakedness of grain size

C:-Medium of deposition

D:-Fines of sediment

Correct Answer:- Option-B

Question60:-According to phase rule, pure water boiling in an open container at atmospheric pressure will have how many degrees of freedom ?

A:-Zero

B:-One

C:-Two

D:-Three

Correct Answer:- Option-A

Question61:-Parasitic folds that develop on the left limb of major fold are

A:-Z folds

B:-M folds

C:-S folds

D:-M-S folds

Correct Answer:- Option-A

Question62:-Folds whose crest is concentric but becomes sharp with depth is known as

A:-Similar folds

B:-Parallel folds

C:-Chevron folds

D:-Box folds

Correct Answer:- Option-B

Question63:-Angle between a lineation and strike of the foliation measured on the foliation surface is

A:-True dip

B:-Apparent dip

C:-Pitch

D:-Plunge

Correct Answer:- Option-C

Question64:-Graben denote

A:-Two normal faults dipping towards each other

B:-Two normal folds dipping away from each other

C:-Two reverse faults dipping towards each other

D:-Two reverse fault dipping away from each other

Correct Answer:- Option-A

Question65:-Deccan volcanism is associated with separation of India from

A:-Madagascar

B:-Seychelles

C:-Antactica

D:-Australia

Correct Answer:- Option-B

Question66:-In which of the following districts oldest rocks in Kerala are found

- A:-Kottayam
- B:-Idukki
- C:-Malappuram
- D:-Waynad

Correct Answer:- Option-D

Question67:-Which among the following fossil is found in Archaean rocks ?

- A:-Trilobite
- B:-Graptolites
- C:-Stromatolites
- D:-Brachiopods

Correct Answer:- Option-C

Question68:-V shaped outcrop of beds that closes downstream, in a gently sloping topographic valley denote

- A:-Beds that dip upstream at low angles
- B:-Beds that dip upstream at high angles
- C:-Beds that dip downstream at low angles
- D:-Beds that dip downstream at high angles

Correct Answer:- Option-D

Question69:-Pangaea supercontinent existed at about

- A:-1000 Ma
- B:-750
- C:-550 Ma
- D:-200 Ma

Correct Answer:- Option-D

Question70:-Age of anorogenic granites in Kerala falls in the range

- A:-2500-2000 Ma
- B:-1500-1000 Ma
- C:-650-550 Ma
- D:-80-65 Ma

Correct Answer:- Option-C

Question71:-Kyanite deposit of Lapsaburu, Jharkhand is an example for

- A:-River placer
- B:-Beach placer
- C:-Eluvial placer
- D:-Bedded deposit

Correct Answer:- Option-C

Question72:-Which of the following ores contain highest percentage of copper ?

- A:-Chalcopyrite
- B:-Covellite
- C:-Bornite
- D:-Chalcolite

Correct Answer:- Option-D

Question73:-Major gold production in India come from

- A:-Primary lode deposit
- B:-River placer
- C:-Residual deposit
- D:-Metamorphic deposit

Correct Answer:- Option-A

Question74:-Which of the following is known as mineral charcoal ?

- A:-Vitrain
- B:-Durain
- C:-Clarian
- D:-Fusain

Correct Answer:- Option-D

Question75:-Oldest productive oil fields in India

- A:-Rudrasagar
- B:-Digboi
- C:-Bombaly High

D:-Ankleswar

Correct Answer:- Option-B

Question76:-Which among the following is the radioactive mineral found in the beach placer of Kerala ?

A:-Ilmenite

B:-Rutile

C:-Monazite

D:-Sillimanite

Correct Answer:- Option-C

Question77:-'Winze' is a mining geology term denoting an excavation parallel to

A:-Strike of ore body

B:-Dip of ore body

C:-Across dip of ore body

D:-All the above

Correct Answer:- Option-B

Question78:-Which of the following represent iron ore deposits in Kerala ?

A:-Cherupa

B:-Alampara

C:-Eleyettimala

D:-All the above

Correct Answer:- Option-D

Question79:-A rock which is very rich in rare earth elements

A:-Anorthosite

B:-Dunite

C:-Pyroxenite

D:-Carbonaite

Correct Answer:- Option-D

Question80:-Zawar in Rajasthan is famous for

A:-Pb and Zn deposits

B:-Fe deposits

C:-Mn deposits

D:-U deposits

Correct Answer:- Option-A

Question81:-According to Ghyben-Herzberg principle, 1 m of fresh groundwater table above mean sea level along the coastal tracks can push saline water to a depth of

A:-30 m

B:-40 m

C:-50 m

D:-60 m

Correct Answer:- Option-B

Question82:-Most widespread aquifer in the midlands of Kerala

A:-Alluvium

B:-Gravel layer

C:-Laterite

D:-Fracture crystalline rock

Correct Answer:- Option-C

Question83:-Which of the following electrode configuration is best suited for vertical electrical sounding ?

A:-Wenner

B:-Schlumberger

C:-Wenner and Schlumberger

D:-None of the above

Correct Answer:- Option-B

Question84:-Allowable limit of iron in potable water as per WHO standard is

A:-1 ppm

B:-2 ppm

C:-3 ppm

D:-4 ppm

Correct Answer:- Option-A

Question85:-Remote sensing make use of which part of electromagnetic spectrum ?

A:-Visible region

- B:-Near infrared region
 - C:-Thermal infrared region
 - D:-All the above
- Correct Answer:- Option-D

Question86:-Which of the following is true about passive remote sensing ?

- A:-Very slow
- B:-Used during earlier days of remote sensing
- C:-Make use of sun's radiation
- D:-Images can be collected even during night

Correct Answer:- Option-D

Question87:-The poor permeability of clay layer is due to

- A:-Poor porosity
- B:-Very fine pore space
- C:-Poor interconnection of pores
- D:-Equal size of grains

Correct Answer:- Option-B

Question88:-Of the total water on the earth, groundwater constitute

- A:-20%
- B:-10%
- C:-1%
- D:-<1%

Correct Answer:- Option-D

Question89:-Subsurface dam is a/an

- A:-Artificial barrier constructed below ground to improve groundwater potential
- B:-Basement part of the surface dam
- C:-Construction associated with tunnels
- D:-Construction associated with hydroelectric power stations

Correct Answer:- Option-A

Question90:-Which among the following is the first Indian remote sensing satellite ?

- A:-LANDSAT
- B:-IRS
- C:-KARTOSAT
- D:-IKNOS

Correct Answer:- Option-B

Question91:-KKPT in southern granulite terrain of India, is a proposed

- A:-Shear zone
- B:-Granulite block
- C:-Isograde
- D:-Rock formation

Correct Answer:- Option-A

Question92:-Incipient charnockite in South India was first reported from

- A:-Ponmudi
- B:-Arni
- C:-Kabbaldurga
- D:-Dharmapuri

Correct Answer:- Option-C

Question93:-Which among the following supercontinent is the oldest

- A:-Pangaea
- B:-Rodinia
- C:-Pannotia
- D:-Ur

Correct Answer:- Option-D

Question94:-Charnockite was first studied and named by

- A:-Job Charnock
- B:-Thomas Holland
- C:-Pichamuthu
- D:-Winkler

Correct Answer:- Option-B

Question95:-Ultrahigh temperature metamorphism is indicated by the presence of

- A:-Sapphirine
- B:-Sapphirine + quartz
- C:-Spinel
- D:-Cordierite

Correct Answer:- Option-B

Question96:-The dominant mineral in the Chavara placer deposit in Kerala is

- A:-Rutile
- B:-Zircon
- C:-Ilmenite
- D:-Monazite

Correct Answer:- Option-C

Question97:-D"layer is located between

- A:-Upper and lower mantle
- B:-Mantle and outer core
- C:-Outer core and inner core
- D:-Middle and lower crust

Correct Answer:- Option-B

Question98:-Komatite is

- A:-Ultramafic pluton
- B:-Ultramafic lava
- C:-Alkaline rock
- D:-All the above

Correct Answer:- Option-B

Question99:-Which of the following analytical facility is used for determining composition of mineral on a microscopic level ?

- A:-EPMA
- B:-XRF
- C:-AAS
- D:-ICP-AES

Correct Answer:- Option-A

Question100:-Platinum group element mineralization is associated with

- A:-Kadavur anorthosite
- B:-Perinthatta anorthosite
- C:-Sittampundi complex
- D:-Hogenakel carbonatite

Correct Answer:- Option-C