

# PROVISIONAL ANSWER KEY

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Question1:-The Indian State through which Utharayana line does not pass

- A:-Gujarath
- B:-Madhya Pradesh
- C:-West Bengal
- D:-Orissa

Correct Answer:- Option-D

Question2:-Where do you find Khasi, Garo, Jayanthi Hills?

- A:-Purvachal
- B:-Himalayan range
- C:-Trans Himalayan range
- D:-Northern plains

Correct Answer:- Option-A

Question3:-Which type of soil is suitable for cotton cultivation?

- A:-Laterite (Mountain) soil
- B:-Silt
- C:-Riger
- D:-Desert soil

Correct Answer:- Option-C

Question4:-Name the state where people below poverty line reside maximum

- A:-Kerala
- B:-Uttar Pradesh
- C:-Bihar
- D:-Goa

Correct Answer:- Option-B

Question5:-Number of people living in one square k.m. area is called

- A:-Optimum population
- B:-Population growth
- C:-Density of population
- D:-Population phenomena

Correct Answer:- Option-C

Question6:-Name of the commission formed to enquire Jaliyan Wala Bagh Massacre

- A:-Hunter Commission
- B:-Simon Commission
- C:-Kothari Commission
- D:-Mudaliar Commission

Correct Answer:- Option-A

Question7:-Name of the Brave patriot who wrote under the pen name of "Hazrad"

- A:-Khan Abdul Gaffar Khan
- B:-Riazuthullah Khan
- C:-Asfaqullah Khan
- D:-Vakkam Abdul Khadar Moulavi

Correct Answer:- Option-C

Question8:-In which district of Kerala Paital Mountain is situated?

- A:-Thiruvananthapuram
- B:-Kozhikodu
- C:-Vayanadu
- D:-Kannur

Correct Answer:- Option-D

Question9:-In which coast of Kerala Maraman convention is held?

- A:-Periyar

- B:-Pampa Nadi
- C:-Kabani
- D:-Bharatapuzha

Correct Answer:- Option-B

Question10:-Main soil found in Kerala

- A:-Brick soil
- B:-Forest soil
- C:-Silt
- D:-Red soil

Correct Answer:- Option-A

Question11:-Which country released Sri Narayana Guru Stamp apart from India?

- A:-Myanmar
- B:-Nepal
- C:-Pakisthan
- D:-Sri Lanka

Correct Answer:- Option-D

Question12:-By whose effort Setu Lakshmi Bai declaration banning Animal Sacrifice in temples under Thiruvitancore religious endowment was announced?

- A:-Iyankali
- B:-Brahmananda Siva Yogi
- C:-Chattambi Swamigal
- D:-Thaikad Ayya

Correct Answer:- Option-C

Question13:-Who wrote Viveka Choddamani?

- A:-Chattambi Swamigal
- B:-Sankaracharya
- C:-Sri Narayana Guru
- D:-Pandit Karuppan

Correct Answer:- Option-B

Question14:-By what name Sadhujana Paripalana Sangam which was formed by Iyankali was changed in 1938?

- A:-Pulaya Maha-Sabha
- B:-Sadhujana Paripalini
- C:-Anandha Maha Sabha
- D:-Sadhujana Doodhan

Correct Answer:- Option-A

Question15:-Name of the social reformer who declared that church will be closed if school is not established along with church

- A:-Poikayil Yohannan
- B:-Pambadi John Joseph
- C:-Abraham Malpan
- D:-Kuryakose Elias Chavara

Correct Answer:- Option-D

Question16:-Which train is the fastest existing in India?

- A:-Bhopal Sadhapti Express
- B:-Amritsar Express
- C:-Gathiman
- D:-Himsagar Express

Correct Answer:- Option-C

Question17:-Who is the State Election Commissioner?

- A:-K. Sasidharan
- B:-V. Bhaskaran
- C:-Kamal Kutti
- D:-Vincent M. Paul

Correct Answer:- Option-B

Question18:-Who is the Athletic who carried Indian Flag in Rio-Olympics?

- A:-Abhinav Bindra
- B:-Tintu Luka
- C:-Sania Mirza
- D:-Siva Thapa

Correct Answer:- Option-A

Question19:-Who is the chairman of National Human Rights Commission?

A:-K.G. Bala Krishnan

B:-J.B. Koshi

C:-Ranganadha Misra

D:-H.L. Datt

Correct Answer:- Option-D

Question20:-Who was selected as Best Actor in the National Film Award Festival in 2015-16?

A:-Kamalahasan

B:-Amita Bachan

C:-Mohanlal

D:-Rajinikanth

Correct Answer:- Option-B

Question21:-Bell-shaped age structure indicates

A:-Exponential growth

B:-Stable growth

C:-Declined growth

D:-None of these

Correct Answer:- Option-B

Question22:-Which of the following is a primary consumer?

A:-Carnivores

B:-Trees

C:-Herbivores

D:-Bacteria

Correct Answer:- Option-C

Question23:-The book 'Silent Spring' is written by

A:-Anil Agarwal

B:-M.C. Mehta

C:-Rachel Carson

D:-Baba Amate

Correct Answer:- Option-C

Question24:-In Tamil Nadu Rain Water Harvesting is made compulsory in the state in

A:-2003

B:-2005

C:-2006

D:-2010

Correct Answer:- Option-A

Question25:-Which of the following is not a Green House Gas?

A:-`"CO\_2"``

B:-Methane

C:-`"N\_2O"``

D:-Propane

Correct Answer:- Option-D

Question26:-'Down to Earth', a fortnightly news magazine was launched by

A:-Sunderlal Bahuguna

B:-Anil Agarwal

C:-Rachel Carson

D:-Medha Patkar

Correct Answer:- Option-B

Question27:-Which of the following is a biodegradable pollutant?

A:-Plastic

B:-Domestic sewage

C:-Detergent

D:-All of these

Correct Answer:- Option-B

Question28:-Cholera and typhoid are caused by

A:-Bacteria

B:-Worms

C:-Fungi

D:-Virus

Correct Answer:- Option-A

Question29:-Eutrophication is

A:-A process in carbon cycle

B:-A water purification technique

C:-A result of accumulation of plant nutrient in water body

D:-A improved water quality

Correct Answer:- Option-C

Question30:-Bhopal Gas Tragedy is a case of

A:-Air pollution

B:-Soil pollution

C:-Nuclear pollution

D:-Thermal pollution

Correct Answer:- Option-A

Question31:-Marine pollution is caused due to

A:-Oil

B:-Plastic

C:-Chemicals

D:-All of these

Correct Answer:- Option-D

Question32:-Ozone layer absorbs

A:-Radio waves

B:-Infrared radiations

C:-UV-Radiations

D:-Chlorine atoms

Correct Answer:- Option-C

Question33:-The Forest (Conservation) Act was enacted in the year

A:-1986

B:-1974

C:-1980

D:-1972

Correct Answer:- Option-C

Question34:-Noise is

A:-Loud sound

B:-Unwanted sound

C:-Constant sound

D:-Sound of high frequency

Correct Answer:- Option-B

Question35:-Demography is the study of

A:-Animal behaviour

B:-River

C:-Population growth

D:-None of these

Correct Answer:- Option-C

Question36:-According to WHO, Health is

A:-A stage of physical well being

B:-A stage of mental well being

C:-A stage of social well being

D:-All of these

Correct Answer:- Option-D

Question37:-Reclamation of saline-alkali soil is done by

A:-Gypsum

B:-Lime

C:-Calcium carbonate

D:-None of these

Correct Answer:- Option-A

Question38:-A legally binding international agreement to reduce green house gas emissions is

A:-Earth summit

B:-Kyoto protocol

C:-Vienna convention

D:-None of these

Correct Answer:- Option-B

Question39:-Biodiesel is obtained from

A:-Jatropha plant

B:-Soyabean plant

C:-Neem plant

D:-All of these

Correct Answer:- Option-D

Question40:-Chernobyl accident is an example of

A:-Nuclear Reactor Accident

B:-Thermal Power Plant Accident

C:-Train Accident

D:-None of these

Correct Answer:- Option-A

Question41:-Obsolete nuclear weapon is a example of

A:-High level radioactive waste

B:-Low level radioactive waste

C:-Liquid nuclear waste

D:-None of these

Correct Answer:- Option-A

Question42:-Biopesticides are based on the following ecological principles

A:-Predation

B:-Parasitism

C:-Amensalism

D:-All of these

Correct Answer:- Option-D

Question43:-Tsunami is a consequence of

A:-Volcanic eruption

B:-Flood

C:-Earthquake

D:-Cyclone

Correct Answer:- Option-C

Question44:-Still water behind the dam, is an example of

A:-High quality energy

B:-Potential energy

C:-Kinetic energy

D:-Nuclear energy

Correct Answer:- Option-B

Question45:-BOD values are always less than

A:-DO value

B:-COD value

C:-MPN value

D:-SPC value

Correct Answer:- Option-B

Question46:-Which of the following will be a future fuel of the world?

A:-Methanol

B:-Petrol

C:-LPG

D:-Ethanol

Correct Answer:- Option-D

Question47:-The relationship between the organisms in which one organism benefits while the other not affected is

A:-Commensalism

B:-Predation

C:-Parasitism

D:-Mutualism

Correct Answer:- Option-A

Question48:-The number of individuals of a species that can survive in that area over time is called

A:-Age pyramid

- B:-Growth curve
- C:-Carrying capacity
- D:-None of these

Correct Answer:- Option-C

Question49:-Mineral resources are

- A:-Renewable
- B:-Available in plenty
- C:-Equally distributed
- D:-Non renewable

Correct Answer:- Option-D

Question50:-Environmental protection is the responsibility of

- A:-Government of India
- B:-NGOs
- C:-Individual
- D:-All of the above

Correct Answer:- Option-D

Question51:-Acid rain is a result of, upset of

- A:-Carbon cycle
- B:-`"N\_2"` cycle
- C:-Sulphur cycle
- D:-Both (2) and (3)

Correct Answer:- Option-D

Question52:-The progressive accumulation of non-biodegradable chemicals through the food chain is called

- A:-Biomagnification
- B:-Biodegradation
- C:-Bioremediation
- D:-Ecological balance

Correct Answer:- Option-A

Question53:-Red data list include those species that are

- A:-Harmful to human
- B:-Facing the risk of extinction
- C:-Responsible for pollution
- D:-Abundant in nature

Correct Answer:- Option-B

Question54:-The species that are confined to a particular geographical area are

- A:-Rare species
- B:-Vulnerable species
- C:-Endemic species
- D:-Endangered species

Correct Answer:- Option-C

Question55:-Which of the following is an example of In Situ biodiversity conservation?

- A:-Biosphere Reserves
- B:-Gene Bank
- C:-Sanctuary
- D:-All of these

Correct Answer:- Option-A

Question56:-The place where one would go to find a particular organism is known as

- A:-Factor
- B:-Biomass
- C:-Species
- D:-Habitat

Correct Answer:- Option-D

Question57:-Human exposure to radiation is generally measured in

- A:-Rems
- B:-Curie
- C:-Rads
- D:-Sievert

Correct Answer:- Option-A

Question58:-ISO 14000 Standards deal with

- A:-Pollution management
- B:-Environmental management
- C:-Risk management
- D:-None of these

Correct Answer:- Option-B

Question59:-The brightness of famous Taj Mahal is decreased due to

- A:-Global warming
- B:-Acid rain
- C:-Ozone layer depletion
- D:-Deforestation

Correct Answer:- Option-B

Question60:-Suppose you live in the city of Delhi with average annual rainfall, 910 mm. Your house has a terrace area of 100 sq.m. How much of rainwater can you collect in a year?

- A:-910 cu.m.
- B:-0.91 cu.m.
- C:-91 cu.m.
- D:-0.09 cu.m.

Correct Answer:- Option-C

Question61:-Objective of Integrated Pest Management is

- A:-Irradication of pest
- B:-Encouragement of pest
- C:-Keep pest population below a threshold level
- D:-None of these

Correct Answer:- Option-C

Question62:-Splash erosion is influenced by

- A:-Rainfall intensity
- B:-Rain drop size
- C:-Both (1) and (2)
- D:-Only rainfall intensity

Correct Answer:- Option-C

Question63:-Heavy metal contents in water sample is measured by

- A:-Atomic Absorption Spectrophotometer
- B:-Gas Chromatograph
- C:-HPLC
- D:-TOC Analyzer

Correct Answer:- Option-A

Question64:-Which of the following is used as biopolymer for synthesis of bioplastics?

- A:-Poly Hydroxy Butarate
- B:-Starch
- C:-Fatty acid
- D:-All of these

Correct Answer:- Option-D

Question65:-The process in which large and heavy soil particles (> 0.5 mm diam.) are moved is

- A:-Suspension
- B:-Surface creep
- C:-Saltation
- D:-All of these

Correct Answer:- Option-B

Question66:-Fate of chemical pesticide in soil is

- A:-Volatilization
- B:-Leaching
- C:-Uptake and Degradation
- D:-All of these

Correct Answer:- Option-D

Question67:-Sheet erosion is related to

- A:-Land with mild and uniform slope
- B:-Forest land
- C:-Grass land
- D:-None of these

Correct Answer:- Option-A

Question68:-Basic principle of separation in Paper Chromatography is

- A:-Adsorption
- B:-Partition
- C:-Ion exchange
- D:-None of these

Correct Answer:- Option-B

Question69:-Parts Per Million (PPM) means

- A:-mg/L
- B:- $\mu\text{g}/\text{mL}$
- C:-Both (1) and (2)
- D:-None of these

Correct Answer:- Option-C

Question70:-Autoclaving is

- A:-Red heat sterilization
- B:-Chemical sterilization
- C:-Dry heat sterilization
- D:-Moist heat sterilization

Correct Answer:- Option-D

Question71:-MPN test enumerates

- A:-`ul{text{E.coli}}` only
- B:-Coliforms
- C:-Fungi
- D:-Viruses

Correct Answer:- Option-B

Question72:-The main cause of Fukushima Power Plant Accident was

- A:-Tsunami
- B:-Faulty Reactor Design
- C:-Human error
- D:-Safety violations

Correct Answer:- Option-A

Question73:-When input of water is more than output of water the condition called as \_\_\_\_\_ is created in field.

- A:-Water logging
- B:-Wet land
- C:-Acidic soil
- D:-Alkalinity

Correct Answer:- Option-A

Question74:-Which of the following is a principle of Green chemistry?

- A:-100% efficient conversion
- B:-No or low energy
- C:-Less hazardous chemical use
- D:-All of these

Correct Answer:- Option-D

Question75:-The material used as biosensor is

- A:-Antibody
- B:-Hormone
- C:-Neural receptor
- D:-All of these

Correct Answer:- Option-D

Question76:-Which of the following is energy crop?

- A:-Potato
- B:-Corn
- C:-Sugarcane
- D:-All of these

Correct Answer:- Option-D

Question77:-Mychorrhizal infections in forest trees is an example of

- A:-Parasitism
- B:-Symbiosis
- C:-Competition



D:-Predation

Correct Answer:- Option-B

Question78:-'Biomining' uses

A:-Bioleaching

B:-Biosorption

C:-Both (1) and (2)

D:-None of these

Correct Answer:- Option-C

Question79:-Phytoremediation uses capabilities of

A:-Microbes

B:-Plants

C:-Animals

D:-Fungi

Correct Answer:- Option-B

Question80:-A fresh water fern used as biofertilizer is

A:-Azola

B:-Nostoc

C:-Azotobacter

D:-None of these

Correct Answer:- Option-A

Question81:-Which of the following entity is not included in fire triangle?

A:-Fuel

B:-Oxygen

C:-Energy

D:-Flamability

Correct Answer:- Option-D

Question82:-Liming is done for the reclamation of

A:-Saline soil

B:-Alkali soil

C:-Acid soil

D:-Sodic soil

Correct Answer:- Option-C

Question83:-Which of the following factor is considered when land is assigned for human settlement?

A:-Stability of ground

B:-Availability of water

C:-Freedom from natural hazards

D:-All of these

Correct Answer:- Option-D

Question84:-Land classified as capability class-III (e) has

A:-Erosion risk

B:-Alkalinity

C:-Root zone restrictions

D:-Salinity

Correct Answer:- Option-A

Question85:-Exchangeable sodium percentage is more than 15%, in case of

A:-Acid soil

B:-Saline soil

C:-Saline alkali soil

D:-Red soil

Correct Answer:- Option-C

Question86:-The origin of  $\beta$ t gene in  $\beta$ t-cotton is

A:-Fungi

B:-Bacteria

C:-Algae

D:-Virus

Correct Answer:- Option-B

Question87:-Primary essential nutrient elements for plants are

A:-N, P, K

B:-Ca, Mg, S

C:-Micro nutrients

D:-None of these

Correct Answer:- Option-A

Question88:-Application of plant cell and tissue culture in forest management is

A:-Production of disease free plants

B:-Production of disease resistant plant

C:-Micro propagation

D:-All of these

Correct Answer:- Option-D

Question89:-Which of the following is a persistent pesticide?

A:-Carbamate

B:-Biopesticides

C:-Chlorinated hydrocarbons

D:-Organo phosphates

Correct Answer:- Option-C

Question90:-The effect of acid rain on ecosystem depends on

A:-Amount of acid

B:-Kind of acid

C:-Geology of that area

D:-All of these

Correct Answer:- Option-D

Question91:-Tilling and planting at right angle to the slope of the land is called

A:-Strip farming

B:-Contour cultivation

C:-Crop rotation

D:-Terracing

Correct Answer:- Option-B

Question92:-Significance of biogeochemical cycle is

A:-Resource utilization

B:-Resource depletion

C:-Biomagnification

D:-None of these

Correct Answer:- Option-A

Question93:-Clean up of the contaminated sites, with the help of natural and genetically modified micro-organisms is called

A:-Bioleaching

B:-Bioremediation

C:-Phytoremediation

D:-Reclamation

Correct Answer:- Option-B

Question94:-In a closed system growth of microbes is self limiting. Because

A:-Depletion of nutrients

B:-Accumulation of waste

C:-Infection

D:-Both (1) and (2)

Correct Answer:- Option-D

Question95:-Electrical energy is an example of

A:-Low quality energy

B:-High quality energy

C:-Nuclear energy

D:-None of these

Correct Answer:- Option-B

Question96:-India is most affected by

A:-Flood

B:-Tsunami

C:-Cyclones

D:-Earthquake

Correct Answer:- Option-A

Question97:-Irrigation water quality is determined by the contents of

A:-Salts

B:-pH

C:-SAR value

D:-All of these

Correct Answer:- Option-D

Question98:-Which of the following is a cause of desertification?

A:-Deforestation

B:-Over grazing

C:-Mining

D:-All of these

Correct Answer:- Option-D

Question99:-Nuclear power reactor is a device that

A:-Permits controlled nuclear fission reaction

B:-Permits nuclear fusion reaction

C:-Permits breeder reaction

D:-None of these

Correct Answer:- Option-A

Question100:-The impact of dam construction is

A:-Submergence of forest

B:-Loss of wild life habitat

C:-Both (1) and (2)

D:-None of these

Correct Answer:- Option-C