

SECTION 1 - SECTION 1

Question No.1

A clear concise document which outlines preventive and preparatory measures in the event of a disaster to minimize its effect is

- Disaster record
- Disaster guide
- Disaster plan
- Disaster manual

Question No.2

A lagoon is formed by

- Wind Erosion
- Wave Erosion
- Wave deposition
- Intrusive Volcanicity

Question No.3

Consider the following statement (s) is/are related to the remedial steps to reduce the risk of life and properties by landslides..

- I. Mapping of landslide prone areas, construction of houses, felling of trees and grazing in landslide prone areas should be prohibited or restricted.
- II. Afforestation in the vulnerable areas is an effective way of durable landslides control.

- Only I
- Neither I nor II
- Only II
- Both I & II

Question No.4

Increase in carbon dioxide in atmosphere causes

- Uniform earth temperature
- fall in earth temperature
- increase in ultraviolet rays
- Rise in earth temperature

Question No.5

The device which is used to detect landslides

- Vibration sensor
- Proximity sensor.
- Piezo electric crystal
- Strain gauge

Question No.6

Geothermal energy is generated from _____

- Volcanoes

- Earthquake
- Floods
- Land slides

Question No.7



The process of avulsion is caused by

- widening of the channel
- erosion of the river channel
- build-up of sediment in the river channel
- destruction of natural levees

Question No.8



Passage :

Fleas are perfectly designed by nature to feast on anything containing blood. Like a shark in the water or a wolf in the woods, fleas are ideally equipped to do what they do, making them very difficult to defeat. The bodies of these tiny parasites are extremely hardy and well-suited for their job. A flea has a very hard exoskeleton, which means the body is covered by a tough, tile-like plate called a sclerite. Because of these plates, fleas are almost impossible to squish. The exoskeletons of fleas are also waterproof and shock resistant, and therefore fleas are highly resistant to the sprays and chemicals used to kill them. Little spines are attached to this plate. The spines lie flat against the flea's thin, narrow body as the flea scurries through an animal's fur in search of food. However, if anything tries to pull a flea off through the hair coat, these spines will extend and stick to the fur like Velcro. Fleas are some of the best jumpers in the natural world. A flea can jump seven inches, or 150 times its own length, either vertically or horizontally. An equivalent jump for a person would be 555 feet, the height of the Washington Monument. Fleas can jump 30,000 times in a row without stopping, and they are able to accelerate through the air at an incredibly high rate—a rate which is over ten times what humans can withstand in an airplane.

According to the passage, The author mentions the Washington Monument in order to

- estimate the extreme distance that a flea is able to jump
- demonstrate the superiority of the structure
- clarify a point made regarding fleas and acceleration
- illustrate a comparison made between fleas and humans

Question No.9



In a row of trees, a tree is 7th from left end and 14th from right end. How many tree are there in the row ?

- 18
- 20
- 19
- 21

Question No.10



Which sportsperson has been appointed as the brand ambassador of 'Swachh Andhra Mission' in 2017?

- Srikanth Kidambi
- P.V. Sindhu
- V.V.S Laxman
- Pullela Gopichand

Question No.11



Which online payment service provider became the official umpire partner of the Indian Premier League for 5 years?

- Paytm

- JioMoney
- Mobikwik
- AirtelMoney

Question No.12

The downslope movement of material is called

- Weathering
- Mass Movement
- Erosion
- Deposition

Question No.13

Choose the correct 'one word' substitute

A decision on which one cannot go back

- Incurable
- Infrangible
- Irrevocable
- Invulnerable

Question No.14

The distance from the centre of nucleus of the atom to the outermost shell of electrons is

- Atomic centre
- Atomic diameter
- Atomic mass
- Atomic radius

Question No.15

Which is not a characteristic of a regional flood?

- Floodplains covered with floodwaters
- An extended rise of river elevation for weeks to months.
- A small drainage basin.
- Large storm systems or an extended period of rainfall.

Question No.16

The evolutionary history of a group of organisms is called

- Ontogeny
- Evolution
- Taxonomy
- Phylogeny

Question No.17

Passage :

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scurries through an animal's fur in search of food. However, if anything tries to pull a flea off through the hair coat, these spines will extend and stick to the fur like Velcro. Fleas are some of the best jumpers in the natural world. A flea can jump seven inches, or 150 times its own length, either vertically or horizontally. An equivalent jump for a person would be 555 feet, the height of the Washington Monument. Fleas can jump 30,000 times in a row without stopping, and they are able to accelerate through the air at an incredibly high rate—a rate which is over ten times what humans can withstand in an airplane.

According to the passage, fleas are resistant to sprays and chemicals because they

- reproduce very rapidly
- have waterproof sclerites
- are excellent jumpers
- can withstand better than humans

Question No.18



Cell membrane is

- Permeable
- Selectively permeable
- Impermeable
- Semipermeable

Question No.19



The maximum range of projectile is 100m. The maximum height reached by it is

- 75m
- 25m
- 100m
- 200m

Question No.20



In vertical photograph, optic axis is

- 0°
- 45°
- 90°
- 60°

Question No.21



A body of mass 4 kg is accelerated upon by a constant force, travels a distance of 5 m in the first second and a distance of 2 m in the third second. The force acting on the body is

- 2 N
- 6 N
- 8 N
- 4 N

Question No.22



A body at rest starts sliding from top of a smooth inclined plane and requires 4 second to reach bottom. How much time does it take, starting from rest at top, to cover one fourth of a distance?

- 4 second
- 1 second
- 2 second
- 3 second

Question No.23

The fundamental taxonomic category or basic unit of classification is

- Species
- Kingdom
- Genus
- Sub species

Question No.24

Landslides often occur in _____

- Desert region
- Hilly region
- Tundra region
- Forest region

Question No.25

1, 9, 25, 49, ?, 121. What will come at the place of question mark ?

- 64
- 91
- 100
- 81

Question No.26

The lowest level to which a stream may erode is called

- gradient
- velocity
- base level
- discharge

Question No.27

In which process no heat exchange occurs between the system and the surroundings

- Isobaric process
- Isothermal process
- Adiabatic process
- Isochoric process

Question No.28

Earthquakes occur when there is a sudden release of stored up energy in Earth's

- lithosphere
- outer core
- inner core
- lower mantle

Question No.29

The distance at which average radius of the Earth orbit subtends an angle of 1 arc second is

- Parsec
- Astronomical unit

- Light year
- Unified atomic unit

Question No.30

Stephen Hawking was a theoretical physicist who had advanced our understanding most notably in the following area(s) of studies:

- Black holes
- The origin of the universe
- Black holes & The origin of the universe
- Subatomic particles

Question No.31

Food present in bulbs occur in

- Petiole
- Root
- Stem
- Leaf bases

Question No.32

The layer of the Earth that is broken up into 12 large and many small, rigid plates is the

- Asthenosphere
- Lithosphere
- Outer Core
- Mantle

Question No.33

Due to _____, the subways were closed all morning.

- its flooding
- flood
- are flooded
- floods

Question No.34

The maximum growth rate occurs in

- Exponential phase
- Stationary phase
- Lag phase
- Senescent phase

Question No.35

Cyanobacteria are classified under

- Plantae
- Algae
- Protista
- Monera

Question No.36



When a river's water level reaches 10 metres, this means that

- the water level is 10 metres above an arbitrary 'zero' level
- it will flood.
- the water level is 10 metres above mean sea level
- the water level is 10 metres above mean sea level or an arbitrary 'zero' level

Question No.37



Which of the following has the largest Scale?

- A Map of India in an Atlas
- A Map of Coimbatore District
- A Town Map of Madurai
- A wall Map of India

Question No.38



Which one of the following is not conserved in uniform circular motion?

- Angular momentum
- Angular velocity
- Velocity vector
- Kinetic energy

Question No.39



If a dam is removed, then upstream from the former dam, the river responds by

- avulsion
- becoming a braided stream
- downcutting (lowering its bed)
- raising its bed

Question No.40



During a tsunami a series of waves radiating out ward from a central disturbance of the sea floor is called a

- Wavelets
- Wave train
- Ocean storm
- Wind-generated disturbance

Question No.41



Not counting pandemics, the two deadliest natural disasters on record were both:

- Earthquakes in Pakistan
- Floodings of the Yellow River in China
- Hurricanes in Bangladesh
- Monsoons in India

Question No.42



Relocation of disaster victims in camps

- should never be attempted
- can result in secondary health emergencies

- is the preferred way to provide essential services to disaster victims
- usually represents the most efficient use of scarce resources

Question No.43

Which period is well known for its chalk deposits

- Cenozoic
- Cretaceous period
- Permian
- Tertiary Era

Question No.44

Choose the word which is MOST similar in meaning to the word “Potential”

- Mechanism
- Solution
- Possibility
- Problem

Question No.45

The ratio of the dimensions of Planck’s constant and that of the moment of inertia is the dimension of

- frequency
- velocity
- angular momentum
- time

Question No.46

Loess is deposited by

- Waves
- Wind
- Glaciers
- Water

Question No.47

Distance between two neighbouring crests or troughs of wave is

- Wave motion
- Waves
- Wavecrest
- Wavelength

Question No.48

Which pair combines a consequence with the correct natural disaster (i.e. tsunami – volcanic eruption):

- fires – hurricane
- floods– hurricane
- winds – earthquake
- heavy rains – tsunami

Question No.49

Movement of earthquake waves through the ground can produce

- Creep
- Lahars
- Solification
- Liquefaction

Question No.50

In a certain code ROAD is written as URDG. How is SWAN written in that code?

- VZCQ
- UXDQ
- VZDQ
- VXDQ

Question No.51

During one's first few months in a new culture, one should learn the manners that are customary and _____.

- the language that is speaking
- the language that is spoken there
- to be speaking language
- the spoken there language

Question No.52

What are the three phases of disaster management planning?

- Preparation, Response and Recovery
- Evacuating, Rebuilding and Re-branding
- Planning, Evacuating and Recovery
- Preparation, Planning and Perception

Question No.53

The primary cause of food and water contamination after a disaster is:

- damage to civil engineering structures, such as dams, pipelines, etc
- large-scale looting of public and private facilities
- interruption of inspection and monitoring activities
- difficulty in maintaining standards of personal hygiene

Question No.54

Which of the following is formed as a result of tectonic forces?

- Rift Valley
- V-Shaped Valley
- Hanging Valley
- Blind Valley

Question No.55

The term 'Species' was coined by

- Aristotle
- John Ray
- Linnaeus

- Theophrastus

Question No.56



The most common Igneous rock on the earth's surface is the

- Basalt
- Pumice
- Granite
- Feldspar

Question No.57



Vagaries of monsoon cause _____

- Earthquake
- Floods
- Avalanches
- Volcanoes

Question No.58



In planetary motion, the angular momentum conservation leads to the law of

- Orbits
- Conservation of kinetic energy
- Periods
- Areas

Question No.59



Dolphin –Challenger Ridge is located in the

- Indian Ocean
- Pacific Ocean
- Atlantic Ocean
- Arctic Ocean

Question No.60



The downward movement of wet soil along the slopes under the influence of gravity.

- Lahars
- Debris flow
- Creep
- Solidification

Question No.61



One pound is

- 420.23 kg
- 432.1 grams
- 453.59 grams
- 200.01 grams

Question No.62



Find out the change of speech

He exclaimed with joy that India had won the Sahara Cup.

- He said, "India has won the Sahara Cup"
- He said, "Hurrah! India has won the Sahara Cup"
- He said, "India won the Sahara Cup"
- He said, "How! India will win the Sahara Cup"

Question No.63

A cash prize was (1)/ award to the most (2) / successful salesman of the year (3)/ by the President of the company. (4)

- C
- D
- A
- B

Question No.64

Element with same atomic number but different mass number is called

- Isomers
- Isotope
- Isocat
- Isobar

Question No.65

Avalanches take place in _____

- Beneath the ocean
- Ground level
- High altitudes
- Low altitudes

Question No.66

All relief workers should receive

- copies of the emergency operations action plan
- appropriate antibiotics
- appropriate technical aides
- appropriate vaccinations

Question No.67

The most valuable information to have on hand in case a disaster strikes is:

- addresses of all hospitals and clinics throughout the country
- phone numbers and addresses of local, national and international aid societies
- first aid manuals, maps, and emergency operations manuals
- knowledge of which areas are likely to be hardest hit and resources and services available in and around these areas

Question No.68

Earthquakes occur most frequently at

- plate surface
- plate boundaries

- plate vacuum
- core-mantle boundary

Question No.69

Find out the proper phrase of the underlined portion.

In the organised society of today no individual or nation can plough a lonely furrow.

- Survive in isolation
- Remain non-aligned
- Remain unaffected
- Do without the help of others

Question No.70

Choose the antonym for word “Fleeting”

- Permanent
- Affable
- Passing
- Vanishing

Question No.71

In India Tsunami warning center is located at_____

- Allahabad
- Hyderabad
- Ahmedabad
- Secunderabad

Question No.72

Do not build houses on _____

- Hard soils
- Rocky soils
- Fertile soils
- Soft soils

Question No.73

I walk 30 metres in North-West direction from my house and then 30 metres in South-west direction. After this I walk 30 metres in South-East direction. Now, I turn to my house, in what direction am I going?

- North-West
- South – East
- South – West
- North-East

Question No.74

Avian heart is

- Incompletely 4 chambered
- Four chambered
- 2 chambered
- 3 chambered

Question No.75

A body moves with constant velocity 'v' in a straight line parallel to x-axis. The angular momentum with respect to origin is

- Continuously increases
- Zero
- Continuously decreases
- Constant

Question No.76

Consider the following statement (s) is/are related to the strategy to combat earthquake disasters.

I. Establishing earthquake monitoring centres for regular monitoring and fast dissemination of information among the people in the vulnerable areas.

II. Modifying the house types and building designs in the vulnerable areas and discouraging contribution of high rise buildings, large industrial establishments and big urban centres in such areas.

- Neither I nor II
- Both I & II
- Only II
- Only I

Question No.77

Which of the following is not part of geological disaster?

- Tsunami
- Earthquakes
- Sea Surge
- Volcanoes

Question No.78

Sills are formed by

- Intrusive Volcanicity
- Wind Action
- Wave Action
- Extrusive Volcanicity

Question No.79

Flash floods are often caused

- by extreme rainfall in a short duration
- dikes and dams that are too high
- by rainfall over many days
- by river beds that are too high

Question No.80

After two years of secondary growth cortex of a dicot root is

- Changed to phelloderm
- Intact
- Largely lost
- Changed to cork

Question No.81

Magnesium is component of

- Haemoglobin
- Chlorophyll
- Florigen
- Enzymes

Question No.82

Which of the following is associated with a La Niña event?

- there is an increased chance of above average rainfall in eastern Australia
- the ocean surface off the coast of South America is warmer than usual
- the Southern Oscillation Index (SOI) is strongly negative
- The changes in Pacific Ocean

Question No.83

Find the correctly spelt word

- Bureaucracy
- Bereaucracy
- Buereacracy
- Bureacracy

Question No.84

Area of Indian coastline which is vulnerable to storm surges, cyclones and tsunamis is?

- 2700 Km
- 3700 Km
- 5700 Km
- 4700 Km

Question No.85**Passage :**

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“Like a shark in the water or a wolf in the woods, fleas are ideally equipped to do what they do” Based on this sentence, what is it that fleas do?

- Jump great heights
- Suck blood
- Have thick exoskeletons
- Resist squishing

Question No.86

Tent camps should be located:

- where the water table is no deeper than 3 meters
- where slope and soil type favor easy drainage
- where shelter material and vegetation are easily accessible
- close to the nearest field hospital or emergency care unit

Question No.87

The quantity which has the same dimensions as that of gravitational potential is

- impulse
- Latent heat
- angular acceleration
- planck's constant

Question No.88

International Day for Natural Disaster Reduction?

- December 23
- October 13
- October 23
- November 13

Question No.89

The volcanic eruption in Iceland falls under which volcanic belt in the World?

- Fault plane
- Divergent Plate Boundaries
- Belts of Convergent boundaries
- Transform faults

Question No.90

Mixture which has same composition throughout is

- Homologous
- Homogenous
- Heterogenous
- Heteromorphous

Question No.91

Priority environmental health concerns during a natural disaster are providing victims with:

- water, heat, clothing, medicine
- water, food, shelter, sanitation
- food, radio, water, portable generator
- food, fuel, refrigeration, shelter

Question No.92

Which one set of letters when sequentially placed at the gaps in the given letter series shall complete it ?

_ bc _ ca _ aba _ c _ ca

- bbbcc
- abbcc

- baaba
- abccb

Question No.93

Sea floor spreading theory was propounded by

- Harry Hess
- Tuzo Wilson
- A. Hpbbes
- D.L. Holms

Question No.94

All emergency, consolidation, and short-term rehabilitation measures should be carried out within _____ of the occurrence of a disaster.

- three days
- six months
- three weeks
- three months

Question No.95

Father of taxonomy is

- Lamarck
- Aristotle
- Linnaeus
- John Ray

Question No.96

Of the following, which is not a natural disaster _____

- Forest fire
- Deforestation
- Lightning
- Nuclear explosion

Question No.97

Electron acceptor of PSII is

- NADP⁺
- PQ
- Cyto
- FRS

Question No.98

The smallest sediment particles are called

- Very Fine Sand
- Clays
- Granules
- Silts

Question No.99



Limestone under certain conditions may undergo a metamorphosis to become

- Marble
- Granite
- Slate
- Gneiss

Question No.100



Anastral mitosis is found in

- Lower animals
- Higher animals
- All living organisms
- Higher plants