

Section 1 - Section 1

Question No.1

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Bookmark

The basic unit of the biological classification is the

- Species
- Family
- Order
- Genus

Question No.2

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Bookmark

Three domain classification system is proposed by

- Whittaker
- Linnaeus
- C Woese
- C. Darwin

Question No.3

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Bookmark

The first laws of botanical nomenclature was framed by

- Linnaeus
- Alphonse de Candolle
- Casimir de candolle
- Augustine P. de Candolle

Question No.4

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Bookmark

The first international Botanical Congress met in

- Vienna
- Cambridge
- Paris
- Geneva

Question No.5

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Bookmark

Correct the error in the italicized part of the sentence by choosing the most appropriate option.

Whenever the two sisters *go out for shopping*, they take their pet dog with them.

- go out to shopping
- go out of shopping
- go out on shopping
- go out shopping

Question No.6

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Bookmark

Assertion: Crude oil is abundantly found in nature

Reason: It is the main raw material for all automobiles

- A is true but R is false
- Both A and R are true and R is the correct explanation of A
- Both A and R are true and R is not the correct explanation of A
- A is false but R is true

Question No.7

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Father of taxonomy

- Charles Darwin
- Robert E. Buchanan,
- Bentham
- Carl Linnaeus.

Question No.8

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Bookmark

Bloom's taxonomy highlights the field of

- Education
- Culture
- Medicine
- Science

Question No.9

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Bookmark

Conservation is

- Proper use of natural resources
- Protection of natural resources
- Management of natural resources
- All of the above

Question No.10

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Bookmark

Charles Darwin is very well known for his book on

- The Different Forms of Flowers on Plants of the Same Species
- The Origin of Species
- The Structure and Distribution of Coral Reefs
- The Voyage of the Beagle

Question No.11

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Bookmark

Autoecology deals with

- Ecology of Population
- Ecology of many Species
- Ecology of Community
- Ecology of species

Question No.12

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Bookmark

Choose the missing term: SHG, RIF, QJE, PKD, ?

- NMD
- OLC
- OLD
- MLB

Question No.13

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The first phylogenetic system of plant classification to be ever put fourth was that of

- Eichler
- Bentham and Hooker'
- Hutchinson
- Engler and Prantl

Question No.14

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Bookmark

When was 'Man and the Biosphere' programme launched by the UNESCO

- 1965
- 1968
- 1971
- 1986

Question No.15

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Bookmark

A taxonomic system that uses phenotypic similarities as well as judgment of homologies along a branching sequence is called

- Phenetics
- Phylogeny
- Classical evolutionary taxanomy
- Cladistics

Question No.16

4.00

Bookmark

X is twice as good a workman as Y and together they finish a piece of work in 18 days. In how many days will X alone finish the work?

- 26
- 27
- 28
- 25

Question No.17

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Bookmark

A specimen or element selected by a competent worker as a substitute for an undesignated, missing or destroyed holotype is called

- Cotype
- Leucotype
- Paratype
- Neotype

Question No.18

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Bookmark

Five kingdom classification system is proposed by

- C. Linnaeus
- C. Darwin
- C Woese
- Whittaker

Question No.19

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Bookmark

Food levels in an ecosystem are called

- Producer levels
- Herbivore levels
- Trophic levels
- Consumer levels

Question No.20

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Bookmark

Duplication of names is avoided by the application of

- Homonyms
- The principal of priority
- Type concept
- Synonyms

Question No.21

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Bookmark

Closely related species are grouped into

- Order
- Genus
- Class
- Family

Question No.22

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Bookmark

At present, the most significant cause of dwindling biodiversity is probably

- global warming
- biological magnification of DDT
- the destruction of habitat
- the deterioration of ozone layer

Question No.23

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Bookmark

Arrangement of a phenomenon across the Earth's surface and a graphical display of such an arrangement is known as

- Spatial distribution
- Geographical distribution
- Regional distribution
- Temporal distribution

Question No.24

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Bookmark

Driving force of ecosystem is

- Carbohydrate in plants
- Solar energy
- Producer
- Biomass

Question No.25

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Bookmark

Spatial distribution and Spatial dispersal

- deals with the geographical location
- deals with the geographical range
- represents same aspects of species distribution
- represents different aspects of species distribution

Question No.26

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Bookmark

Natural classification is based on

- Both morphology and phylogeny
- Phylogeny
- Anatomy
- Morphology

Question No.27

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Bookmark

If Milk is water, water is sugar, sugar is road, road is sky and sky is track where do aeroplanes fly?

- Sugar
- Sky
- Road
- Milk

Question No.28

4.00

Bookmark

Study the following information carefully and answer the question below it

- (i) There is a group of five persons- A, B, C, D and E
- (ii) One of them is manual scavenger, one is sweeper, one is watchman, one is human scarecrow and one is grave-digger
- (iii) Three of them – A, C and grave-digger prefer tea to coffee and two of them – B and the watchman prefer coffee to tea
- (iv) The human scarecrow and D and A are friends to one another but two of these prefer coffee to tea.
- (v) The manual scavenger is C's brother

Which of the above statements is unnecessary?

- (iii)
- (iv)
- Nill
- (ii)

Question No.29

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Bookmark

Which of the following habitats show the highest diversity of living species?

- Tropical rainforest
- Grassland
- Desert
- Temperate forest

Question No.30

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Bookmark

As a country, the United States is _____ that there are five time zones.

- much big
- too big
- very big
- so big

Question No.31

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Bookmark

An ecological pyramid of energy flow is often an inverted pyramid in which of the following ecosystem?

- Desert
- Rainforest
- Tundra
- Ocean

Question No.32

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Charles Robert Darwin

- was born in Shrewsbury on 2009
- was born in Shrewsbury on 1809
- was born in Shrewsbury on 1909
- was born in Shrewsbury on 1709

Question No.33

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In discovery of a new species, the taxonomic system provides

- ideas to check
- a standard against which to check it
- clues too check
- reference to check

Question No.34

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The pyramid of energy is always

- Inverted of forest ecosystem
- Both upright and inverted
- Inverted
- Upright

Question No.35

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Bookmark

The central legislative measures called 'Wildlife Protection Act' was passed in

- 1951
- 1977
- 1980
- 1972

Question No.36

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A foodweb

- increases variety as well as quantity of food at each trophic level
- Decreases variety of food but increases quantity of food at each trophic level
- Delicately balances the inter relations amongst organisms
- Increases variety of food at each trophic level

Question No.37

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Bookmark

Of all the taxa, the only one that exists in nature as a biologically cohesive unit is the

- Kingdom
- Genus
- Phylum
- Species

Question No.38

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Bookmark

Who suggested 'Prokaryotic' to bacteria and 'Eukaryotic' to plants and animals

- John Ray
- E-Chatton
- Ernst Hackle
- Margulis

Question No.39

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Bookmark

In the following question, the first two words (given in italics) have a definite relationship. Choose one word out of the given four alternatives which will fill the blank space and show the same relationship with the third word as between the first two.

Truthfulness is to *Liar* as *Loyalty* is to?.....

- Devotion
- Worker
- Falsehood
- Traitor

Question No.40

4.00

Bookmark

The Rules of Nomenclature are

- primarily for replacing the correctness of the names applied to defined taxa.
- primarily for assessing the correctness of the names applied to defined taxa.
- primarily for measuring the correctness of the names applied to defined taxa.
- primarily for reporting the correctness of the names applied to defined taxa.

Question No.41

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Lentic ecosystem refers to

- Deep marine water ecosystems
- Static water system
- Ecosystem of estuaries
- Ecosystem of flowing water

Question No.42

4.00

Bookmark

In a food chain, as we go from lower to higher trophic level, the energy ;

- Remains constant
- Decreases
- Becomes doubled at each step
- Increases irregularly

Question No.43

4.00

Bookmark

WWF is the abbreviation of

- World Wide Fund
- World Wildlife Fund
- World Wild Fund
- World Wind Fund

Question No.44

4.00

Bookmark

In a population of lizards, the gene for stripe color has two alleles, B and b. If the frequency of B is 65%, what is the frequency of b?

- 12%
- 65%
- 35%
- 46%

Question No.45

4.00

Bookmark

A sacred lake is

- Periyar lake of Kerala
- Dal lake of Kashmir
- khecheopalri lake of Sikkim
- Chilka lake of Odisha

Question No.46

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Bookmark

A second specimen from the same plant from which the holotype was collected is called

- Cotype
- Paratype
- Neotype
- Isotype

Question No.47

4.00

Bookmark

Species most vulnerable to extinction from human activities are those with

- High population growth rates
- Low carrying capacities
- Large niches
- Many natural predators

Question No.48

4.00

Bookmark

Due to _____, the subways were closed all morning.

- its flooding
- flood
- are flooded
- floods

Question No.49

4.00

Bookmark

Choose the best antonym of the italicized word.

The task assigned to him was *arduous*.

- easy
- good
- plain
- absorbing

Question No.50

4.00

Bookmark

Isotype is a duplicate of the _____

- holotype.
- poly type
- monotype
- similar type

Question No.51

4.00

Bookmark

The names of the intergeneric hybrids are framed

- by adding a multiplication sign between the two parent genera
- by a combination of both generic names and placing the multiplication sign before such a combined name
- a and b both
- None of the above

Question No.52

4.00

Bookmark

The change in genetic diversity was caused by the drastic reduction in population size due to hunting.

This type of event is also called what?

- Speciation
- Bottleneck effect
- Founder effect
- Competition

Question No.53

4.00

Bookmark

The fungal epidemic led to what occurrence in the population?

- Hardy Weinberg equilibrium
- Sympatric speciation
- Founder effect
- Genetic drift

Question No.54

4.00

Bookmark

ISPN means

- International Society for Phylogenetic Nomenclature
- International Society for Plant Nomenclature
- International Security for Phylogenetic Nomenclature
- Internal Section for Phylogenetic Nomenclature

Question No.55

4.00

Bookmark

The Red Data Book which lists endangered species is maintained by

- WHO
- IUCN
- WWF
- UNO

Question No.56

4.00

Bookmark

World's most comprehensive inventory of the global conservation status of biological species is contributed by

- WWF
- UNESCO
- FAO
- IUCN

Question No.57

4.00

Bookmark

A method of classifying organisms solely on the basis of the number of shared phenotypic characters is known as

- Numeral taxonomy
- Number taxonomy
- Numerical taxonomy
- Numeric taxonomy

Question No.58

4.00

Bookmark

The species inhabiting different geographical areas are

- Morphospecies
- Sympatric
- Allopatric
- Sibling species

Question No.59

4.00

Bookmark

Which of the following statements regarding biodiversity is/are correct?

- Beta diversity is represented by the turnover of the species across space
- Beta diversity refers to the degree to which species composition change along an environmental gradient
- Gamma diversity is a species turnover rate with distance between sites of similar habitat or with expanding geographical area
- All of the above

Question No.60

4.00

Bookmark

The term Biocoenosis was proposed by

- Aristotle
- Warming
- Tansley
- Carl mobius

Question No.61

4.00

Bookmark

The mother gripped her child's arm _____ he be trampled.

- unless
- if
- lest
- if not

Question No.62

4.00

Bookmark

Study the following information carefully and answer the question below it

The Director of an MBA college has decided that six guest lectures on the topics of Motivation, Decision Making, Quality Circle, Assessment Centre, Leadership and Group Discussion are to be organised on each day from Monday to Sunday.

(i) One day there will be no lecture (Saturday is not that day), just before that day Group Discussion will be organised.

(ii) Motivation should be organised immediately after Assessment Centre.

(iii) Quality Circle should be organised on Wednesday and should not be followed by Group Discussion

(iv) Decision Making should be organised on Friday and there should be a gap of two days between Leadership and Group Discussion

Which of the pairs of lectures were organised on first and last day?

- Quality Circle and Motivation
- Group Discussion and Quality Circle
- Group Discussion and Decision Making
- None of these

Question No.63

4.00

Bookmark

Science of naming, describing and classifying organisms

- Taxonomy
- Classification
- Nomenclature
- Phylogeny

Question No.64

4.00

Bookmark

Anand is heavier than Gopal. Mohan is lighter than Jagan. Pandian is heavier than Jagan but lighter than Gopal. Who is the heaviest of all ?

- Jagan
- Pandian
- Anand
- Gopal

Question No.65

4.00

Bookmark

Importance of ecosystem lies in

- Cycling of materials
- Flow of energy
- Both the above
- None of the above

Question No.66

4.00

Bookmark

Study the following information carefully and answer the question below it:

Aasha, Bhuvnesh, Charan, Danesh, Ekta, Farhan, Ganesh and Himesh are sitting around a circle, facing the centre. Aasha sits fourth to the right of Himesh while second to the left of Farhan. Charan is not the neighbour of Farhan and Bhuvnesh. Danesh sits third to the right of Charan. Himesh never sits next to Ganesh.

Who is to the immediate left of Aasha?

- Aasha
- Bhuvnesh
- Ganesh
- Charan

Question No.67

4.00

Bookmark

The three-domain system divides

- cellular life forms into archaea, bacteria, and eukaryote kingdoms
- cellular life forms into archaea, bacteria, and eukaryote domains
- cellular life forms into animalia, bacteria, and eukaryote domains
- cellular life forms into archaea, bacteria, and fungi domains

Question No.68

4.00

Bookmark

Multicellular organisms having no cell wall and chlorophyll are

- Fungi
- Animals
- Bacteria
- Plants

Question No.69

4.00

Bookmark

Which of the following species is restricted to a given area?

- Sympatric species
- Allopatric species
- Endemic species
- Sibling species

Question No.70

4.00

Bookmark

Choose the best synonym of the italicized word.

Reena has an *insatiable* love for music.

- unquenchable
- unchanging
- undesirable
- irreconcilable

Question No.71

4.00

Bookmark

A species is taxonomically

- A base category to which most taxonomic information is attached
- A population with common characteristics as evolutionary base of variation
- A group of evolutionary related population
- A fundamental unit in the phylogenetic history of organisms

Question No.72

4.00

Bookmark

The *International Code of Phylogenetic Nomenclature* is known as.

- Phylonom
- Phylobar
- Phylolabel
- Phylocode

Question No.73

4.00

Bookmark

These poultry belong to Mr. Kishen, our new neighbor

The underlined word is a _____ noun.

- collective
- proper
- abstract
- common

Question No.74

4.00

Bookmark

Linnaeus system of classification was based on

- Ecology
- Morphology
- Cytology
- Embryology

Question No.75

4.00

Bookmark

The use of less qualified assistance to, or replacement of, taxonomists in the practice and science of classification.

- Parallel taxonomy
- Paraclassification
- Taxonomic assistance
- Parataxonomy

Question No.76

4.00

Bookmark

Two or more species occupying identical or overlapping areas are known as

- Sympatric
- Allopatric
- Subspecies
- Sibling species

Question No.77

4.00

Bookmark

Cavalier - Smith (1998) proposed the concept of kingdoms consists of

- Five
- Six
- Three
- Four

Question No.78

4.00

Bookmark

Which is not included in key elements of biodiversity

- Ecological diversity
- Genetic diversity
- Forest diversity
- Organismal diversity

Question No.79

4.00

Bookmark

Bristle : Brush

- Stage: Chairs
- Art: Sculpture
- Arm : Leg
- Key: Piano

Question No.80

4.00

Bookmark

Based on the information given, answer the below question.

1. A,B,C,D,E and F are travelling in a bus.
2. There are two reporters, two mechanics, one photographer and one writer in the group.
3. Photographer A is married to D who is a reporter.
4. The writer is married to B who is of the same profession as that of F.
5. A,B,C,D are two married couples and no one in this belong to the same profession.
6. F is the brother of C.

Which of the following is the pair of reporters?

- AE
- DF
- Cannot be determined
- DE

Question No.81

4.00

Bookmark

Which ecosystem does not show variation depending upon geographic location and rainfall?

- Marine ecosystem
- Tropical ecosystem
- Fresh water ecosystem
- Desert ecosystem

Question No.82

4.00

Bookmark

Binomials become trinomials when

- The name of the species is changed
- The name of the genus is changed
- When the subspecific category is also indicated
- None of the above

Question No.83

4.00

Bookmark

Related species which are reproductively isolated but morphologically similar are called

- Morphospecies
- Allopatric
- Sympatric
- Sibling species

Question No.84

4.00

Bookmark

Static concept of species was put forward by

- Linnaeus
- Darwin
- De candolle
- Theophrastus

Question No.85

4.00

Bookmark

Mayr's biological concept of species is mainly based on

- Modes of reproduction
- Morphology and reproduction
- Reproductive isolation
- Morphology

Question No.86

4.00

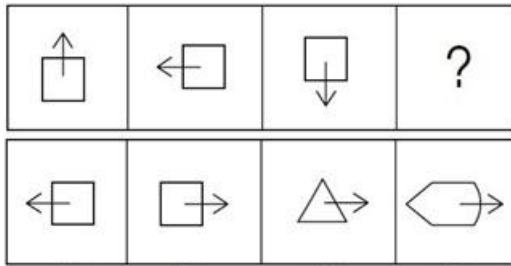
Bookmark

The rate at which light energy is converted into chemical energy of organic molecules is the ecosystem's

- net secondary productivity
- gross primary productivity
- net primary productivity
- gross secondary productivity

Question No.87

4.00

Bookmark 

- (A) C
 A
 B
 D

Question No.88

4.00

Bookmark

A species is defined as a potentially _____ of organisms that can produce viable offspring that themselves can interbreed.

- Intra breeding group
 cross breeding group
 Inter specific breeding group
 interbreeding group

Question No.89

4.00

Bookmark

Binomial nomenclature means

- Every organism is having one scientific name with a combination of genus and species
 Organism contains generic name
 Organism contains specific name
 None of these

Question No.90

4.00

Bookmark

When the velocity of a moving object is doubled, its kinetic energy

- becomes four times
 becomes three times
 remains the same
 becomes doubled

Question No.91

4.00

Bookmark

Phylogenetic nomenclature ties names to clades, groups consisting of an _____

- ancestral clades.
 all its descendants.
 ancestor and clades.
 ancestor and all its descendants.

Question No.92

4.00

Bookmark

Binomial nomenclature was introduced by

- De candolle
- Darwin
- John ray
- Carlous Linnaeus

Question No.93

4.00

Bookmark

Species is

- Specific unit of the evolutionary
- History of a race
- Specific unit of evolution
- Specific class of evolution

Question No.94

4.00

Bookmark

Species Plantarum, work by the Swedish botanist Carolus Linnaeus, in which

- frame principles for defining natural species of organisms
- he established a precise and workable system of identifying plants
- he established a precise and workable two-word, or binomial, system for naming plants
- framed principles for defining natural genera of organisms

Question No.95

4.00

Bookmark

Species which are able to exchange genes freely without loss of fertility or vigour is known as

- Ecospecies
- superspecies
- coenospecies
- semispecies

Question No.96

4.00

Bookmark

Taxonomy based on identification of evolutionary units within species by determining their genetical interrelationship is called:

- Chemotaxonomy
- Biochemical taxanomy
- Numerical taxanomy
- Experimental taxanomy

Question No.97

4.00

Bookmark

Six-Kingdom classification is based on the sequence of:

- Messenger RNA genes
- Ribosomal RNA genes
- Nitrogenous bases in DNA
- Transfer RNA genes

Question No.98

4.00

Bookmark

Impacts on individual species indicates:

- wider changes at the biological level that will potentially change conditions for many plant and animal species, in addition to ecosystem services to humans.
- no changes at the biome level that will potentially change conditions for many plant and animal species, in addition to ecosystem services to humans.
- lesser changes at the biome level that will potentially change conditions for many plant and animal species, in addition to ecosystem services to humans.
- wider changes at the biome level that will potentially change conditions for many plant and animal species, in addition to ecosystem services to humans.

Question No.99

4.00

Bookmark

Many wild plants and animals are on the verge of extinction due to

- climatic changes
- deforestation
- non-availability of food
- none of the above

Question No.100

4.00

Bookmark

Identify the adverb in the following sentence:

We looked upwards and saw a bright shooting star

- bright
- upwards
- looked
- shooting