

Section 1 - Section 1

Question No.1

4.00

Bookmark

..... Published the first comprehensive work, recognizing five depth zones and 25 faunal provinces along the coasts of the continents.

- James Dana
- Edward Forbes
- Edward O. Wilson
- Albert Günther

Question No.2

4.00

Bookmark

Which one of the following is not observed in biodiversity hotspots?

- Accelerated species loss
- Lesser inter-specific competition
- Endemism
- Species richness

Question No.3

4.00

Bookmark

Buffon's Law applied to plants as well as to animals, and also applied to any region of the world that was separated from others by

- Longitudes
- Altitudes
- Barriers of geography or climate
- Latitudes

Question No.4

4.00

Bookmark

Identify the adverb in the following sentence:
We started early in order to see the sunrise.

- to see
- in order
- early
- started

Question No.5

4.00

Bookmark

Parallelism is

- adaptive divergence of widely separated species
- adaptive divergence
- adaptive convergence of closely related groups
- adaptive convergence of widely different species

Question No.6

4.00

Bookmark

Animals found in every part of the world are said to be, while those which are restricted are called as

- Stenotopic, Cosmopolitan
- Discontinuous, Ubiquitous
- Cosmopolitan, Endemic
- Cosmopolitan, Stenotopic

Question No.7

4.00

Bookmark

Allen's Rule for the mammals from colder climates defines

- longer ears and shorter limbs
- shorter ears and longer limbs
- shorter ears and shorter limbs
- longer ears and longer limbs

Question No.8

4.00

Bookmark

Conservation for both ecological and human benefits has been dubbed

- homo-ecological conservation.
- eco-sapien conservation.
- biocultural restoration.
- humanistic ecology.

Question No.9

4.00

Bookmark

_____ is most likely a cosmopolitan species?

- penguins
- ostriches
- crows
- humpback whale

Question No.10

4.00

Bookmark

The Himalaya Mountains were created by the joining of which two faunal realms?

- Nearctic and Palearctic
- Palearctic and Oriental
- Palearctic and Ethiopian
- Nearctic and Oriental

Question No.11

4.00

Bookmark

The Galapagos are a group of islands.

- Sixteen
- Eighteen
- Eleven
- Fourteen

Question No.12

4.00

Bookmark

If $BAT = 40$, $AT = 20$ then $CAT = ?$

- 43
- 60
- 80
- 50

Question No.13

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 mechanics?

- Cannot be determined
- AF
- BF
- CE

Question No.14

4.00

Bookmark

The global distribution of tropical rain forests corresponds to areas where conditions are

- warm year-round with wet and dry seasons.
- warm and dry year-round.
- cool year-round with wet and dry seasons.
- warm and wet year-round.

Question No.15

4.00

Bookmark

Darwin's finches are a good example of

- Connecting link
- Convergent evolution
- Industrial melanism
- Adaptive radiation

Question No.16

4.00

Bookmark

Which of the following navigational methods is used by bees?

- celestial cues from the moon
- sound waves
- magnetic cues from the earth
- celestial cues from the sun

Question No.17

4.00

Bookmark

Maximum species diversity is recorded in

- Seaweeds
- Seagrasses
- Coral reefs
- Mangroves

Question No.18

4.00

Bookmark

With the exception of the American Opossums all the are crowded into this comparatively limited tract of Australian continent and island.

- Birds
- Reptiles
- Marsupials
- Placental mammals

Question No.19

4.00

Bookmark

How many bio-geographical regions are present in India?

- 5
- 10
- 12
- 8

Question No.20

4.00

Bookmark

Statements: All dogs are tall, All cats are tall.

Conclusion:

I. All dogs are cat

II. All cats are dogs

- If neither I nor II follows
- If only conclusion I follows
- If either I or II follows
- If only conclusion II follows

Question No.21

4.00

Bookmark

According to 2014 IUCN Red List, which of the following vertebrate classes has the largest percentage of threatened species?

- Amphibians
- Birds
- Mammals
- Reptiles

Question No.22

4.00

Bookmark

Early explorers like Alexander von Humboldt determined latitude and longitude using

- the position of the stars.
- the position of the sun and the stars.
- the position of the moon.
- the position of the sun.

Question No.23

4.00

Bookmark

Choose the missing term:FLP, INS,LPV, ?

- ORY
- UXZ
- SYZ
- VXZ

Question No.24

4.00

Bookmark

Madreporite is associated with

- Digestive system
- Locomotion
- Nervous system
- Haemal system

Question No.25

4.00

Bookmark

The global distribution of tropical rain forests corresponds to areas where conditions are

- warm year-round with wet and dry seasons.
- cool year-round with wet and dry seasons.
- warm and wet year-round.
- warm and dry year-round.

Question No.26

4.00

Bookmark

If Priya was selected, she _____ a good surgeon.

- would make
- would have made
- can make
- will make

Question No.27

4.00

Bookmark

Choose the best antonym of the italicized word.

Keerthi did not like her husband being *obsequious* to his boss.

- indifferent
- defiant
- courteous
- gentle

Question No.28

4.00

Bookmark

Evolution is

- Development of race
- History of race
- History and development of race along with variations
- Progressive development of a race

Question No.29

4.00

Bookmark

Study of fossils is

- Ichthyology
- Saurology
- Palaeontology
- Herpetology

Question No.30

4.00

Bookmark

Which one of the following is not observed in biodiversity hotspots?

- Endemism
- Species richness
- Lesser inter-specific competition
- Accelerated species loss

Question No.31

4.00

Bookmark

Major distribution of vertebrate families can be explained by all of the following EXCEPT:

- The influence of climate changes such as ice ages.
- The separation of continental plates during the breakup of Pangaea.
- The marking of boundaries by passive advertisement.
- The connection of land bridges between continents.

Question No.32

4.00

Bookmark

Which of the following is NOT a physical barrier to dispersal?

- Mountains
- Water currents
- Humidity
- Valleys

Question No.33

4.00

Bookmark

Darwin's finches are a good example of

- Connecting link
- Convergent evolution
- Industrial melanism
- Adaptive radiation

Question No.34

4.00

Bookmark

Phelsuma andamanense Blyth, 1861 is found in

- Nancowry
- Car Nicobar
- Great Nicobar
- Diglipur

Question No.35

4.00

Bookmark

Choose the correct meaning of the italicized idiom.

The father was right in giving a *piece of his mind* to the son.

- Speaking sadly
- Speaking sharply
- Speaking cheerfully
- Speaking kindly

Question No.36

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.

Three of the following are alike in a certain way based on their positions in the seating arrangement and so form a group. Which is the one that does not belong to that group?

- Ganesh Ekta
- Himesh Farhan
- Bhuvnesh Danesh
- Danesh Charan

Question No.37

4.00

Bookmark

Choose the best synonym of the italicized word.

The security arrangements made for the visiting dignitary were *impeccable*.

- flawless
- elaborate
- tight
- grand

Question No.38

4.00

Bookmark

Endemic species defines

- threatened species
- vulnerable species
- rare species
- species localized in a specific region

Question No.39

4.00

Bookmark

Which is not considered as Protected Area under W(P)A, 1972?

- Biosphere Reserve
- Wildlife Sanctuary
- Community Reserve
- National Park

Question No.40

4.00

Bookmark

Maximum species diversity is recorded in

- Seaweeds
- Coral reefs
- Mangroves
- Seagrasses

Question No.41

4.00

Bookmark

The equilibrium model of island biogeography predicts _____ rates of extinction on islands

- higher, farther from a source of colonists
- lower, farther from a source of colonists
- lower, with increased area
- higher, with increased area

Question No.42

4.00

Bookmark

Statement: Among all the articles, Prices of laptops show the highest decline from June 2017 to December 2017.

Assumptions:

I. Comparative prices of all articles were available from June 2017 to December 2017.

II. The prices laptops were higher in the first 6 months than the last 6 months.

- If neither I nor II is implicit
- If only assumption I is implicit
- If both I and II are implicit
- If only assumption II is implicit

Question No.43

4.00

Bookmark

'Origin' of Species' was written by

- Wallace
- Weismann
- Lamarck
- Darwin

Question No.44

4.00

Bookmark

Which one is endemic bat of A&N Islands?

- Tupaia nicobarica nicobarica*
- Macaca fascicularis umbrosa*
- Crocidura nicobarica*
- Hipposideros ater nicobarulae*

Question No.45

4.00

Bookmark

_____ known as living fossil.

- Sea cucumber
- Sea star
- Feather star
- Brittle star

Question No.46

4.00

Bookmark

Which of the following is NOT a physical barrier to dispersal?

- Humidity
- Valleys
- Mountains
- Water currents

Question No.47

4.00

Bookmark

Which of the following statement best describe a climax community?

- less stable and more diverse
- more stable and less diverse
- less stable and less diverse
- more stable and more diverse

Question No.48

4.00

Bookmark

Which lake zone is most comparable to the marine oceanic zone?

- epilimnion
- hypolimnion
- metalimnion
- limnetic zone

Question No.49

4.00

Bookmark

MAB programme of UNESCO stands for

- Man and Biotechnology
- Man and Biology
- Man and Biosphere
- Man and Book

Question No.50

4.00

Bookmark

Reflex ovulation does NOT occur in

- Mink
- Cats
- Rats
- Rabbits

Question No.51

4.00

Bookmark

The Himalaya Mountains were created by the joining of which two faunal realms?

- Palearctic and Ethiopian
- Nearctic and Palearctic
- Nearctic and Oriental
- Palearctic and Oriental

Question No.52

4.00

Bookmark

Spilomis elgini (Blyth, 1863) is a endemic _____ of A&N Islands

- Frog
- Snake
- Bird
- Mammal

Question No.53

4.00

Bookmark

Andaman Islands represent ____ biodiversity hotspot/s?

- 3
- 4
- 2
- 1

Question No.54

4.00

Bookmark

Early explorers like Alexander von Humboldt determined latitude and longitude using

- the position of the sun and the stars.
- the position of the stars.
- the position of the sun.
- the position of the moon.

Question No.55

4.00

Bookmark

“Continuity of germplasm” theory was given by

- Weismann
- Lamarck
- Wallace
- Darwin

Question No.56

4.00

Bookmark

Species occurring in different geographical area are known as

- neopatric
- allopatric
- sympatric
- sibling

Question No.57

4.00

Bookmark

13, 35, 57, 79, 911, ?

- 1113
- 1112
- 1311
- 1315

Question No.58

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

Who is a sweeper?

- A
- D
- C
- E

Question No.59

4.00

Bookmark

The theory of continental drift was hypothesized in 1912 by

- Robert H. MacArthur
- Edward O. Wilson
- Alfred Wegener
- Georges-Louis Buffon

Question No.60

4.00

Bookmark

Allen's Rule for the mammals from colder climates defines

- longer ears and shorter limbs
- shorter ears and longer limbs
- longer ears and longer limbs
- shorter ears and shorter limbs

Question No.61

4.00

Bookmark

Australia has both

- Monotremes and Marsupials
- Marsupials only
- Marsupials but no Monotremes
- No mammals

Question No.62

4.00

Bookmark

Conservation for both ecological and human benefits has been dubbed

- humanistic ecology.
- biocultural restoration.
- homo-ecological conservation.
- eco-sapien conservation.

Question No.63

4.00

Bookmark

Biological species concept was introduced by

- Charles Darwin
- Ernst Mayr
- Edward O. Wilson
- Charles Lyell

Question No.64

4.00

Bookmark

The first real attempt to divide the earth in to regions corresponding with the range of its inhabitants is called

- Heilprin's regions
- Sclater's Regions
- Wallace's regions
- Huxley's Regions

Question No.65

4.00

Bookmark

The equilibrium model of island biogeography predicts _____ rates of extinction on islands _____.

- lower, with increased area
- lower, farther from a source of colonists
- higher, with increased area
- higher, farther from a source of colonists

Question No.66

4.00

Bookmark

Major distribution of vertebrate families can be explained by all of the following EXCEPT:

- The connection of land bridges between continents.
- The influence of climate changes such as ice ages.
- The marking of boundaries by passive advertisement.
- The separation of continental plates during the breakup of Pangaea.

Question No.67

4.00

Bookmark

A man complete a journey in 10 hours. He travels first half of the journey at the rate of 21 km/hr and second half at the rate of 24 km/hr. Find the total journey in km.

- 224
- 250
- 220
- 230

Question No.68

4.00

Bookmark

Multidimensional niche concept was introduced by

- Edward O. Wilson
- G. E. Hutchinson
- Robert H. MacArthur
- Charles Darwin

Question No.69

4.00

Bookmark

Study the following information carefully and answer the question below it

In a family, Isha is the granddaughter of Asha. Deepa is the mother of Hansa. Charan is the son of Anand. Radha is the mother of Isha. Deepa is the sister of Vinod and Charan. Nagesh has two children, Gita and Hansa. Emesh is the only grandson in the family. Charan is not married. Radha is the daughter-in-law of Anand.

Who is the daughter of Anand?

- Gita
- Deepa
- Isha
- Hansa

Question No.70

4.00

Bookmark

The change of the lighter-coloured variety of peppered moth (*Biston betularia*) to its darker variety (*Biston carbonaria*) is due to

- Spatial and temporal Isolation
- Mutation
- Temporal isolation
- Genetic isolation

Question No.71

4.00

Bookmark

Evolutionary convergence is development of

- random mating
- dissimilar characters in closely related groups
- common set of characters in closely related groups
- common set of characters in group of different ancestry

Question No.72

4.00

Bookmark

Only after food has been dried _____

- it should be stored for later consumption
- should be stored for later consumption
- should it be stored for later consumption
- that is should be stored for later consumption

Question No.73

4.00

Bookmark

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

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

Question No.74

4.00

Bookmark

The father of modern zoogeography is

- Charles Darwin
- Alexander von Humboldt
- Alfred Russel Wallace
- Charles Lyell

Question No.75

4.00

Bookmark

In the polar regions, number of species are found to inhabit only in the Arctic and Antarctic waters with no representation in the intermediate ocean, and such interesting pattern of distribution is known as

- Cosmopolitan
- Unipolar distribution
- Ubiquitous
- Bipolar distribution

Question No.76

4.00

Bookmark

Which group of vertebrates comprises the highest number of endangered species?

- Birds
- Fishes
- Reptiles
- Mammals

Question No.77

4.00

Bookmark

Spilornis elgini (Blyth, 1863) is a endemic _____ of A&N Islands

- Snake
- Mammal
- Bird
- Frog

Question No.78

4.00

Bookmark

Which one is endemic bat of A&N Islands?

- Tupaia nicobarica nicobarica*
- Macaca fascicularis umbrosa*
- Hipposideros ater nicobarulae*
- Crocidura nicobarica*

Question No.79

4.00

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.

Orange is to Peel as Tooth is to?

- Gums
- Enamel
- Brush
- Joints

Question No.80

4.00

Bookmark

Change in species composition is referred to as

- species changeover.
- species exchange.
- species turnover.
- species substitution.

Question No.81

4.00

Bookmark

Endemic species defines

- rare species
- threated species
- vulnerable species
- species localized in a specific region

Question No.82

4.00

Bookmark

Horizontal distribution of animals on land, water and islands in different continents is called as Geographical distribution and its studies is known as

- Phytogeography
- Geography
- Zoogeography
- Biogeography

Question No.83

4.00

Bookmark

Marine iguana is found in _____

- Hawai Island
- Andaman and Nicobar Islands
- Galapagos Islands
- Coco Island

Question No.84

4.00

Bookmark

According to the equilibrium model of island biogeography the rate of immigration is mainly determined by an island's

- temperature pattern
- area
- isolation
- precipitation pattern

Question No.85

4.00

Bookmark

Mammillary bodies are present in

- Hypothalamus
- Midbrain
- Thalamus
- Epithalamus

Question No.86

4.00

Bookmark

Humming birds and Hawk illustrate

- Organic evolution
- Parallel evolution
- Convergent evolution
- Adaptive radiation

Question No.87

4.00

Bookmark

Phelsuma andamanense Blyth, 1861 is found in

- Diglipur
- Nancowry
- Car Nicobar
- Great Nicobar

Question No.88

4.00

Bookmark

Choose the correct meaning to the italicized idiom.
Vijay does not see *eye to eye* with me in this matter.

- To have the same eyesight
- To give a correct decision
- To obtain suitable punishment
- To have same opinion

Question No.89

4.00

Bookmark

A red coloured tubular flower without any odour is most likely to be pollinated by

- Bees
- Birds
- Beetles
- Butterflies

Question No.90

4.00

Bookmark

Which is not considered as Protected Area under W(P)A, 1972?

- Community Reserve
- Wildlife Sanctuary
- National Park
- Biosphere Reserve

Question No.91

4.00

Bookmark

One of the following regions is not belong to Oriental region.

- Indo-Malay
- Indo-China
- Ce ylon
- Siberian

Question No.92

4.00

Bookmark

..... were truly the giants in the development of zoogeography.

- Charles Darwin and E. O. Wilson
- Alfred Wallace and Georges Buffon
- Robert H. MacArthur and G. E. Hutchinson
- Charles Darwin and Alfred Wallace

Question No.93

4.00

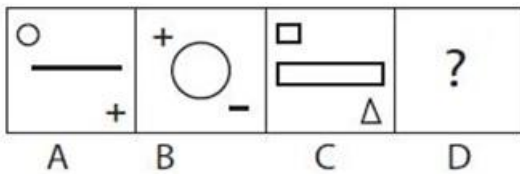
Bookmark

_____ is most likely a cosmopolitan species?

- ostriches
- penguins
- humpback whale
- crows

Question No.94

4.00

Bookmark 

- (1) 2
- (2) 4
- (3) 3
- (4) 1

Question No.95

4.00

Bookmark

Two zoogeographical regions, separated by high mountain ranges, are

- Neotropical and Ethiopian
- Oriental and Australian
- Nearctic and Palearctic
- Palearctic and Oriental

Question No.96

4.00

Bookmark

The process of mating of individuals, which are more closely related than the average of the population to which they belong, is called

- Inbreeding
- Heterosis
- Hybrid vigor
- Hybridization

Question No.97

4.00

Bookmark

Which of the following statement best describe a climax community?

- more stable and less diverse
- more stable and more diverse
- less stable and more diverse
- less stable and less diverse

Question No.98

4.00

Bookmark

..... Includes the entire Indian sub-continent, Indochina, Philippines and South China.

- Palaeartic region
- Oriental region
- neotropical region
- Ethiopian region

Question No.99

4.00

Bookmark

Life on earth appeared _____ according to geological time scale

- 6000 mya
- 7000 mya
- 1200 mya
- 3500 mya

Question No.100

4.00

Bookmark

Change in species composition is referred to as

- species changeover.
- species exchange.
- species turnover.
- species substitution.