2 puc zoology neet

# Question 1

Which of the following is/are not associated with the human male reproductive system?

1. Prostate gland
2. Seminal vesicle
3. Cowper’s gland
4. Bartholin’s gland

# Question 2

In mammals the estrogens are secreted by the Graafian follicle from its:

1. External theca
2. Internal theca
3. Zona pellucida
4. Corona radiata

# Question 3

The endometrium in female is the lining of:

1. Uterus
2. Vagina
3. Ovary
4. Bladder

# Question 4

The part of fallopian tube closest to ovary is:

1. Ampulla
2. Isthmus
3. Cervix
4. Infundibulum

# Question 5

Several hormones like hCG, hPL, Oestrogen, Progesterone are produced by:

1. Ovary
2. Placenta
3. Fallopian tube
4. Pituitary

# Question 6

Hugo de Vries did his experiments on the plant :

1. Pisumsativum
2. Oenothera lamarkiana
3. Mirabilis jalappa
4. Oryza sativa

# Question 7

When is it possible for a woman to be colorblind?

1. The father has normal vision and the mother is a carrier
2. The father has normal vision and the mother is colorblind
3. The father is colorblind and the mother has a normal vision
4. The father is colorblind and the mother is a carrier

# Question 8

Which of the following is a cause of thalassemia?

1. RBC defects
2. WBC defects
3. Platelet defects
4. Lymphocyte defects

# Question 9

Which one of the following is an example for X-linked chromosome inheritance?

1. Colour Blindness
2. Albinism
3. Alkaptonuria
4. Mangolism

# Question 10

What was the type of pea lines used by Mendel?

1. True-breeding
2. False-breeding
3. Not breeding
4. Indefinitely breeding

# Question 11

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1. 0.36
2. 0.16
3. 0.24
4. 0.48

# Question 12

Industrial melanism is an example of

1. drug resistance
2. darkening of skin due to smoke from industries
3. protective resemblance with the surroundings
4. defensive adaptation of skin against ultraviolet radiations.

# Question 13

Which is not a vestigial organ in man?

1. Third molar
2. Nails
3. Segmental muscles of abdomen
4. Coccyx

# Question 14

Study of fossils is

1. palaeontology
2. herpetology
3. saurology
4. organic evolution

# Question 15

"Continuity of germplasm" theory was given by

1. De Vries
2. Weismann
3. Darwin
4. Lamarck

# Question 16

’Origin of Species was written by

1. Oparin
2. Weismann
3. Lamarck
4. Darwin.

# Question 17

All the following interaction are mutualism, except:

1. Association of algae and fungi in lichens.
2. Association of fungi and roots of higher plants in mycorrhiza.
3. Plant and animal relation for pollination.
4. Association of cattle egret and grazing cattle.

# Question 18

A mycorrhiza exhibits what kind of interaction?

1. Predation
2. Parasitism
3. Mutualism
4. Commensalism

# Question 19

What parameters are used for tiger census in our country’s national parks and sanctuaries?

1. Pug marks only
2. Pug marks and faecal pellets
3. Faecal pellets only
4. Actual head counts

# Question 20

What is a relationship between organisms of different species where an organism is benefited and other is harmed called?

1. Parasitism
2. Commensalism
3. Mutualism
4. Competition

# Question 21

Which of the following is a S-shaped growth curve?

1. Exponential growth
2. Logistic growth curve
3. J-shaped curve
4. Geometric curve

# Question 22

Match List I with List II.

| **List I</th> List II</th>** |  |  |  |  |
| --- | --- | --- | --- | --- |
| A. Logistic growth | I. Unlimited resource availability condition |  |  |  |
| B. Exponential growth | II. Limited resource availability condition |  |  |  |
| C. Expanding age pyramid | III. The percent individuals of pre-reproductive age is largest followed by reproductive and post reproductive age groups |  |  |  |
| D. Stable age pyramid | IV. The percent individuals of pre-reproductives and reproductive age group are same |  |  |  |

Choose the correct answer from the options given below:

1. A-II, B-III, C-I, D-IV
2. A-II, B-IV, C-I, D-III
3. A-II, B-IV, C-III, D-I
4. A-II, B-I, C-III, D-IV

# Question 23

Inspite of interspecific competition in nature, which mechanism the competing species might have evolved for their survival?

1. Resource partitioning
2. Competitive release
3. Mutualism
4. Predation

# Question 24

Amensalism can be represented as:

1. Species A (–); Species B (0)
2. Species A (+); Species B (+)
3. Species A (–); Species B (–)
4. Species A (+); Species B (0)

# Question 25

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1. The base of number logarithms
2. The base of exponential logarithms
3. The base of natural logarithms
4. The base of geometric logarithms

# Question 26

The logistic population growth is expressed by the equation:

1. <fmath class="fm-inline"><mrow><mrow><mspace style="margin-right: 0.28em; padding-right: 0.001em; visibility: hidden;" width=".28em">‌</mspace><mspace style="margin-right: 0.28em; padding-right: 0.001em; visibility: hidden;" width=".28em">‌</mspace>

| <mrow><mi class="fm-mi-length-1" mathvariant="italic" style="padding-right: 0.44ex;">d</mi><mi class="fm-mi-length-1" mathvariant="italic">t</mi></mrow> |  |
| --- | --- |
| <mrow><mi class="fm-mi-length-1" mathvariant="italic" style="padding-right: 0.44ex;">d</mi><mi class="fm-mi-length-1" mathvariant="italic" style="padding-right: 0.44ex;">N</mi></mrow> |  |

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| <mrow><mi class="fm-mi-length-1" mathvariant="italic" style="padding-right: 0.44ex;">K</mi><mo class="fm-infix">−</mo><mi class="fm-mi-length-1" mathvariant="italic" style="padding-right: 0.44ex;">N</mi></mrow> |  |
| --- | --- |
| <mi class="fm-mi-length-1" mathvariant="italic" style="padding-right: 0.44ex;">K</mi> |  |

* </mrow><mo class="fm-mo-Luc" style="font-size: 2.05em; vertical-align: -0.128em; display: inline-block; transform: scaleX(0.5);">)</mo></mrow></mrow></mrow></fmath>

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| --- | --- |
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# Question 27

What is the protection and conservation of species outside their natural habitat called?

1. In-situ conservation
2. Ex-situ conservation
3. Off-site conservation
4. No conservation

# Question 28

In which approach do we protect and conserve the whole ecosystem to protect the endangered species?

1. In-situ conservation
2. Ex-situ conservation
3. Off-site conservation
4. No conservation

# Question 29

What are the species confined to a particular region and not found anywhere else called?

1. Pandemic
2. Endemic
3. Extinct
4. Vulnerable

# Question 30

How many total biodiversity hotspots are present throughout the world?

1. 20
2. 80
3. 55
4. 34

# Question 31

How much area of the Earth’s surface does the biodiversity hotspots cover?

1. 8
2. 5
3. 10
4. 2

# Question 32

What is the number of biosphere reserves present throughout the world?

1. 24
2. 44
3. 14
4. 4

# Question 33

What is the number of national parks India consists of?

1. 19
2. 90
3. 29
4. 120

# Question 34

By which of the following techniques the gametes of threatened species are preserved in viable and fertile conditions for long periods?

1. Botanical gardens
2. Cryopreservation techniques
3. Zoological parks
4. Wildlife safari parks

# Question 35

Which phenomenon does the coevolved plant-pollinator mutualism explain?

1. Co-extinction
2. Fragmentation
3. Invasion
4. Loss of habitat

# Question 36

Why was the African catfish <em>Clarias gariepinus</em> introduced?

1. Horticulture
2. Aquaculture
3. Sericulture
4. Poultry

# Question 37

What is <em>Eicchornia</em> called?

1. Carrot grass
2. Nile perch
3. Water hyacinth
4. Water lily

# Question 38

What happened when the Nile perch was introduced into Lake Victoria in East Africa?

1. Extinction of trees
2. Increase in the number of trees
3. Extinction of cichlid fish
4. Increase in the number of cichlid fish

# Question 39

What happens when alien species are introduced unintentionally or deliberately?

1. Decrease of alien species
2. Increase in habitat
3. They turn invasive and cause an increase in species
4. They turn invasive and cause the decline or extinction of indigenous species

# Question 40

What did David Tilman’s experimental plot show?

1. More variation in productivity
2. Fewer species showed less variation
3. More variation from year to year in the total biomass
4. More species showed less variation from year to year in the total biomass

# Question 41

For what reason is rich biodiversity important?

1. Community issues
2. Ecosystem health
3. Ecological issues
4. Community problems

# Question 42

Who gave the ‘Rivet popper hypothesis’?

1. Karl Correns
2. Robert Hooke
3. Paul Ehrlich
4. Louis Pasteur

# Question 43

What is considered as the rivet in the ‘Rivet popper hypothesis’?

1. Ecosystem
2. Community
3. Species
4. Individual

# Question 44

How is the diversity of plants and animals throughout the world?

1. Uniform
2. Uneven
3. Equal
4. Even

# Question 45

How many species of birds are located in Colombia that is located near the equator?

1. 4400
2. 3000
3. 5000
4. 1400

# Question 46

How many species of birds are located in Greenland?

1. 5000
2. 56
3. 120
4. 100

# Question 47

Which place has the greatest biodiversity on Earth?

1. Western Ghats
2. Australian forest
3. African forest
4. Amazonian rainforest

# Question 48

In which range does the value of Z lies?

1. 0.1 to 0.2
2. 1 to 2
3. 0.001 to 0.002
4. 10 to 20

# Question 49

How many species of fishes are present on Earth?

1. 28,00,000
2. 28,000
3. 280
4. 28

# Question 50

How many species of orchids are present on Earth?

1. 200
2. 20
3. 2
4. 20,000