NEET-2020 Model Paper-2

Biology

1) Which one of the following is the most used growth regulator in agriculture and horticulture.

- 1. Ethylene
- 2. ABA
- 3. Auxin
- 4. Gibberellin

2) Flask shaped ascocarp with an apical opening is

- 1. Perithecium
- 2. Cleistothecium
- 3. Apothecium
- 4. Puff ball
- 3) Partially heterotrophic plants
- 1. Bladderwort
- 2. Cuscuta
- 3. Funaria
- 4. All the above.
- 4) In organic forming advantage of using organic manures is
- 1. More yield
- 2. Less soil pollution
- 3. More nutrient availability than chemical fertilizers
- 4. All the above
- 5) Vascular cambium is completely secondary in
- 1. Dicot stem
- 2. Monocot stem
- 3. Monocot root
- 4. Dicot root
- 6) Double fertilization occurs in
- 1. Pinus
- 2. Cycas
- 3. Maize
- 4. All the above

7) Which of the following is common for both plants and animals.

- 1. Centrioles
- 2. Plastids
- 3. Glyoxysomes
- 4. Mitochondria

- 8) False statement regarding Cleistogamous flowers
- 1. All flowers are invariably autogamous)
- 2. These flowers produce assured seed-set.
- 3. Cleistogamous flowers are always underground
- 4. These flowers are always bisexual

9) Vegetative propagation in pineapples is by

- 1. Vertically growing underground stem
- 2. Horizontally growing underground stem
- 3. Sub-aerial stems developing from underground stems
- 4. Sub-aerial stems developing from aerial stems

10) False statement regarding Protista

- 1. They are primarily aquatic
- 2. Asexual reproduction may be by budding
- 3. They include plant like, fungi like and animal like organisms
- 4. All of these have cell walls

11) A piece of wood of Gymnosperms can be identified by the presence of

- 1. Companion cells
- 2. Albuminous cells
- 3. Resin canals
- 4. Vascular cambium

12) Comparison of action spectrum of photosynthesis with absorption spectrum establishes

- 1. Role of various pigments in photosynthesis
- 2. Rate of photosynthesis in various pigments.
- 3. Type of pigment participating in photosynthesis
- 4. All the above.

13) How many of the following are with epigynous condition Guava, Cucurbita, Paddy, Ray floret of sunflower, Disc florets of sunflower, *Pisum*, Apple, Mustard , Onion

- 1. Five
- 2. Four
- 3. Three
- 4. Six

14) Identify the A, B, C, D in the given diagram



- 1. A \rightarrow Sporophylls: B \rightarrow Root : C \rightarrow Stem: D \rightarrow Cone
- 2. A \rightarrow Leaves: B \rightarrow Rhizophore : C \rightarrow Rhizome: D \rightarrow Strobilus
- 3. A \rightarrow Sporophylls: B \rightarrow Root : C \rightarrow Rhizome: D \rightarrow Strobilus
- 4. A \rightarrow Leaves: B \rightarrow Rhizophore : C \rightarrow Stem: D \rightarrow Strobilus

15) Unique component of cell wall of blue-green algae that is not present in other algae

- 1. Alginic acid
- 2. Murein
- 3. Pectin
- 4. Agar

16) Which of the following is/are advantages of SCP as source of food

- (a) Nutritious than meat
- (b) Less production cost
- (c) Reduced environmental pollution
- (d) Easily cultured compared to agriculture
- 1. (a), (b),(c), (d)
- 2. (b), (c)
- 3. (a), (b), (c)
- 4. Only (c)

17) Symbiotic associations exploited as biofertilizers

II) Mycorrhiza I) Lichens

III) Root nodules IV) Corolloid roots

- 1. | & ||
- 2. || & |||
- 3. 1, 11 & 111
- 4. II, III & IV

18) Water is essential for fertilization in

- II) Selaginella I) Funaria III) Cycas IV) Pisum
- 1. | & ||
- 2. Only II
- 3. 1, 11 & 111
- 4. III & IV

19) Saccharum barberi is

- 1. High yielding sugar cane variety of North India
- 2. South Indian variety with poor sugar content
- 3. Wild sugar cane variety used in transfer of disease resistant genes
- 4. Crossed with Saccharum officinarum to get desirable qualities

20) Major advantage of genetic engineering over conventional plant breeding in developing new strains or varieties

- 1. Time consuming
- 2. Introduction of only desirable genes
- 3. Simplicity of the process
- 4. No ethical issues need to be followed

21) Which of the following equation reflects Glycolysis

- $3. C6H12O6 +2NAD^{+} \rightarrow 2CH3COCOC + 2NADH2 \rightarrow 2CH3COCOC$ \rightarrow 2CH3COCOOH + 2NADH2
- \rightarrow 2CH3COOCoA + 2NADH2
- 4. C6H12O6 +2NADP⁺ \rightarrow 2CH3COCOOH + 2NADPH2

22) Which of the following names of the plants is not in accordance with ICBN guidelines

- 1. Trigonella foenum-greacum (L)
- 2. Indian mallow (L)
- 3. Pteris cretica (L)
- 4. Cajanus cajan (L) Millsp

23) If three pairs of independently segregating genes are being studied how many maximum genotypes one can expect in F2 generation from true breeding parents

- 1. 16
- 2. 27
- 3. 9
- 4. 64

24) Two statements are given below identify the correct option



- (a) Genotype can be known from phenotype
- (b) If genotype is known phenotype can be predicted
- 1. Both (a) and (b) are correct
- 2. (a) is incorrect and (b) is correct
- 3. (a) is correct and (b) is incorrect
- 4. Both (a) and (b) are incorrect

25) A white guinea pig is crossed with yellow guinea pig. In F2 generation 32 white 66 cream and 30 yellow were obtained. Wrong deduction from this is

- 1. Colour of the coat is incompletely inherited
- 2. It is Mendelian monohybrid inheritance of genetic ratio
- 3. White is dominant over yellow.
- 4. A cross between two yellow guinea pigs will result in all yellow.
- 26) Intense agricultural practices can affect
 - A) Pollinators

B) Soil nutrients

- C) Genotype of the plant D) Atmospheric levels of CO2
- 1. A & B
- 2. B&C
- 3. Only B
- 4. C & D

27) During the enzymatic reaction

- 1. Structure of the substrate get transformed
- 2. Shape of the enzyme is altered.
- 3. The energy state of the substrate reaches a peak before the formation of the product.
- 4. All the above

28) Final stage of mitosis is

- 1. G2 phase
- 2. Cytokinesis
- 3. Telophase
- 4. M phase

29) In a cross between two plants differed by a single pair of genes if ratios of phenotype and genotype are similar in the progeny the cross may be involving

- 1. Test cross
- 2. Incomplete dominance
- 3. Co-dominance
- 4. All the above

30) Identify A and B from the given diagram correctly

- 1. A \rightarrow Peduncle: B \rightarrow Pericarp
- 2. A \rightarrow Thalamus: B \rightarrow Achene
- 3. A \rightarrow Seed: B \rightarrow Testa
- 4. A \rightarrow Endocarp: B \rightarrow Epicarp

31) If an amino acid is coded by four codons, in the four codons the position of

- 1. First base is different
- 2. Second and third bases may show difference.
- 3. Third base may be purine or pyramidine
- 4. Any base may show variation.

32) Find the correct statement from the following

- 1. Most of the bryophytes are homosporous
- 2. Gymnosperms are both homosporous and heterosporous
- 3. Pteridophytes are homosporous
- 4. Angiosperms and heterosporous

33) Split genes are

- 1. Genes of RNA nature
- 2. Broken genes
- 3. Interrupted genes
- 4. Repeated genes
- 34) Which two statements are correct for Two kingdom classificationI) Bacteria included in Plant kingdom
- II) All two kingdom classifications are phylogenetic

III) Chitin containing organisms are present in both kingdoms

IV)Separation of two kingdoms is based on nutrition.

- 1. | & ||
- 2. || & |||
- 3. | & |||
- 4. || & |V
- 35) Lipids are a constituent of
- (a) Membranes (b) Chlorophyll (c) Chromosome (d) Enzymes

1. (a) and (b)

- 2. Only (a)
- 3. Except (d)
- 4. (c) and (d)

36) Which is correct about the maturing phase of the Golgi complex

- 1. It is away from the nuclear membrane
- 2. It is called as trans phase.
- 3. It is concave in structure
- 4. All the above.

37) Integrated Pest Management envisages

- 1. Complete elimination of the pests
- 2. Control the pest population to a manageable level
- 3. Conservation of beneficial insects
- 4. Discouraging the use of pesticides.

38) RNA interference involves

- 1. Silencing of host mRNA
- 2. Silencing the mRNA of the parasite
- 3. Prevent transcription of genes of the parasite
- 4. Prevent the reproduction of parasite.

39) Which of the following is necessary for the curvature of coleoptiles

- 1. Auxin
- 2. Light
- 3. Darkness
- 4. Both 1 & 2

40) False statement regarding services rendered by Ecosystem.

I) Submerged water plants enriching the dissolved oxygen of water.

II) Cyanobacteria releasing oxygen directly during photosynthesis.

- III) Saprophytic bacteria consume and produce oxygen during degradation.
- IV) Birds regulating the ecosystem by eating fruits and seeds.
- 1. | & ||
- 2. Only IV
- 3. III & IV
- 4. || & |||

41) Respiratory Quotient refers to

- 1. Respiratory ability of the organism
- 2. An Index of respiratory substrate
- 3. Amount of oxygen required for the respiration
- 4. All the above.

42) To create public awareness, on which day of the year 'World Tuberculosis day' is observed

- 1. December 1
- 2. June 6
- 3. March 24
- 4. July 12

43) In restriction enzyme Eco RI nomenclature 'R' indicates

- 1. Name of the strain RY13
- 2. Roman number
- 3. Abbreviation for Restriction
- 4. Host of the pathogen

44) Correct statement from the following

- 1. 'Hidden hunger' is inability to buy vegetables, fruits, legumes etc.
- 2. Developing a plant variety that produces large fruit is biofortification.
- 3. Atlas 66 is a variety with high content of Lysine and Tryptophan
- 4. In IARI bitter gourd is enriched with Vitamin C.

45) Best biofertilizer for dry land crops

- 1. Mycorrhiza
- 2. Cyanobacteria
- 3. Azatobacter
- 4. Rhizobium

46) Mother and father of a person with 'O' blood group have 'A' and 'B' blood group respectively. What would be the genotype of both mother and father?

- 1. Mother is homozygous for 'A' blood group and father is heterozygous for 'B'
- 2. Mother is heterozygous for 'A' blood group and father is homozygous for 'B'
- 3. Both mother and father are heterozygous for 'A' and 'B' blood group, respectively
- 4. Both mother and father are homozygous for 'A' and 'B' blood group, respectively

47) When you hold your breath, which of the following gas changes in blood would first lead to the urge to breathe?

- 1. falling CO2 concentration
- 2. rising CO2 and falling O2 concentration
- 3. falling O2 concentration
- 4. rising CO2 concentration

48) Match the terms given in Column I with their physiological processes given in

Column II and choose the correct answer

<u>Column I</u>	Column II
A. Proximal convoluted tubule	i. Formation of concenterated urine
B. Distal convoluted tubule	ii. Filtration of blood
C. Henle's loop	iii. Reabsorption of 70-80% of electrolytes
D. Counter-current mechanism	iv. Ionic balance
E. Renal corpuscle	v. maintenance of concentration gradient in medulla

1. A-iii, B-v, C-iii, D-ii, E-i

- 2. A-iii, B-iv, C-i, D-v, E-ii
- 3. A-i, B-iii, C-ii, D-v, E-iv
- 4. A-iii, B-i, C-iv, D-v, E-ii

49) Diaphragms are contraceptive devices used by the females. Choose the correct option from the statements given below:

I) they are introduced into the uterus

II) they are attached to cover the cervical region

III) they act as physical barriers for sperm entry

IV)they act as spermicidal agents

- 1. I and II
- 2. I and III
- 3. II and III
- 4. III and IV

50) Ecological niche is :

1. an ecologically adapted zone

2. the surface area of the ocean

3. the physical position and functional role of a species within the community

4. formed of all plants and animals living at the bottom of a lake.

51) Which of the following are the reason(s) for rheumatoid arthritis?

(I)lymphocytes become more active

(II)body attacks self cells

(III)more antibodies are produced in the body

(IV) the ability to differentiate pathogen or foreign molecules from self cells is lost

- 1. I and II
- 2. II and IV
- 3. III and IV
- 4. I and III

52) In the year 2000, for each of the 14 million people present in a country, 0.028 were born and 0.008 died during the year. By using exponential equation, the number of people present in 2010 is predicted as:

- 1. 25 million
- 2. 17 million
- 3. 20 million
- 4. 30 million

53) Select the correct option related to co-existence instead of competition by following the mechanism known as 'resource partitioning':

- 1. Connell's experiments about *Balanus* and *Chathamlus*
- 2. MacArthur observations about warbler birds
- 3. Gause's principle between goats and Abingdon tortoise.
- 4. Edward Wislon flamingo birds and fishes.

54) Sliding filament theory can be best explained as:

1. Actin and Myosin filaments do not shorten but rather slide pass each other

2. When myofilaments slide pass each other, Myosin filaments shorten while Actin filaments do not shorten

3. When myofilaments slide pass each other Actin filaments shorten while Myosin filament do not shorten

4. Actin and Myosin filaments shorten and slide pass each other

55) Identify the wrong statement from the following:

- 1. high levels of estrogen triggers the ovulatory phase.
- 2. sperms released from seminiferous tubules are poorly motile/non -motile.
- 3. progesterone level is high during the post ovulatory phase of menstrual cycle.

4. oogonial cells start to proliferate and give rise to functional ova in regular cycles from puberty Onwards

56) Out - crossing is the mating of :-

- 1. Superior males and females of different breeds
- 2. More closely related individuals within same breed for 4-6 generations

3. Animals within same breed without having common ancestors on either side upto 4-6 generations

4. Two different related species

57) Choose the correctly matched pair:

- 1. Inner lining of salivary ducts -- Ciliated epithelium
- 2. Moist surface of buccal cavity ---- Glandular epithelium
- 3. Tubular parts of nephrons ---- Cuboidal epithelium
- 4. Inner surface of bronchioles ---- Squamous epithelium

58) Fight-or-flight reactions cause activation of

- 1. The parathyroid glands, leading to increased metabolic rate
- 2. The kidney, leading to suppression of rennin-angiotensin-aldosterone pathway
- 3. The adrenal medulla, leading to increased secretion of epinephrine and norepinephrene

4. The pancreas leading to a reduction in the blood sugar levels

59) Which of the following represents the **correct** combination without any exception?

	Features	Taxon
А	Dry skin with oil gland at the tip of tail, pneumatic bones, lungs with air sacs	Aves
В	Mammary glands, internal fertilization, hair of skin, viviparous	Mammalia
С	Absence of external ear, three chambered heart, internal fertilization, oviparous	Reptilia
D	Three chambered heart, oviparous, tympanum, cloaca, eyes with eyelids	Amphibia
1 /		

1. A

2. B 3. C

3. U

4. D

60) Two statements are given below related to the action of the hormone secreted by alpha cells of pancreas in human beings.. Select the correct option:

(a) Glucagon is considered as a hyperglycemic hormone.

(b) Glucagon stimulates glycogenolysis and increases the cellular glucose uptake.

- 1. both (a) and (b) are true
- 2. (a) is false but (b) is true
- 3. (a) is true but (b) is false
- 4. both (a) and (b) are false

61) A man whose father was colour blind marries a woman who had a colour blind mother and Normal father. What percentage of male children of this couple will be colour blind?

- 1. 25%
- 2. 0%
- 3. 50%
- 4. 75%

62) If 200 J of energy is trapped at producer level, then how much energy will be available to peacock as food in the following chain? Plant \rightarrow Mice \rightarrow Snake \rightarrow Peacock

- $1 \quad 0 \quad 02 \quad J$
- 2. 0.002 J
- 3. 0.2 J
- 4. 0.0002 J

63) Blood calcium level is a resultant of how much dietary calcium is absorbed, how much calcium is lost in the urine, how much bone dissolves releasing calcium into the blood and how much calcium from blood enters tissues. A number of factors play an important role in these

processes. Mark the one which has no role.

- 1. Vitamin D
- 2. Parathyroid hormone
- 3. Thyrocalcitonin
- 4. Thymosin

64) When does the growth rate of a population following the logistic model equal zero ? The logistic Model is given as dN/dt = rN(1-N/K):

- 1. when N/K is exactly one.
- 2. when N nears the carrying capacity of the habitat.
- 3. when N/K equals zero.
- 4. when death rate is greater than birth rate.

65) Read the following statements and choose the correct option

Statement 1 : Atria receive blood from all parts of the body which subsequently flows to ventricles.

Statement 2 : Action potential generated at sino-atrial node passes from atria to ventricles.

- 1. Action mentioned in Statement 1 is dependent on action mentioned in Statement 2
- 2. Action mentioned in Statement 2 is dependent on action mentioned in Statement 1
- 3. Action mentioned in Statements 1 and 2 are independent of each other.
- 4. Action mentioned in Statements 1 and 2 are synchronous/simultaneous.

66) Which one of the following animals is correctly matched with its one characteristics and the taxon?

Animal		Characteristic feature	Taxon
1.	Platypus	Oviparous	Mammalia
2.	Crocodilus	three chambered heart	Reptilia
3.	Sea Anemone	Triploblastic	Cnidaria
4.	Silverfish	Pectoral and pelvic fins	Pisces

67) Which technique helps to identify a bacterial or viral pathogen in a human body even when its concentration is very low and clinical symptoms are not yet visible?

- 1. Differential leucocyte count
- 2. ELISA
- 3. Total leucocyte count
- 4. PCR

68) In 1953 S. L. Miller created primitive earth conditions in the laboratory and gave experimental evidence for origin of first form of life from preexisting non-living organic molecules. The primitive earth conditions created include:

- 1. low temperature, volcanic storms, atmosphere rich in oxygen
- 2. low temperature, volcanic storms, reducing atmosphere
- 3. high temperature, volcanic storms, non-reducing atmosphere
- 4. high temperature, volcanic storms, reducing atmosphere containing CH4, NH3 etc.

69) Which of the following statements is **not correct**?

- 1. Oxyntic cells are present in the mucosa of stomach and secrete HCI
- 2. Acini are present in the pancreas and secrete carboxypeptidase
- 3. Brunner's gland are present in the submucosa of stomach and secrete pepsinogen
- 4. Goblet cells are present in the mucosa of intestine and secrete mucus
- 70) Match Column I with Column II and select the correct option.

Column – I	Column – II
(a)Salmonella	(i)ringworm
(b)Wuchereria	(ii)pneumonia
(c)Haemophilus influenzae	(iii)elephantiasis
(d)Microsporum	(iv)typhoid
	(v)malaria

- 1. a-(iv), b-(iii), c-(ii), d- (i)
- 2. a-(v), b-(i) , c-(ii), d- (iii)
- 3. a-(iv), b-(iii), c-(i), d- (ii)
- 4. a- (i), b-(iii), c-(v), d-(iv)

71) The eye of octopus and eye of cat show different patterns of structure, yet they perform similar function. This is an example of :

- 1. Analogous organs that have evolved due to divergent evolution
- 2. Homologous organs that have evolved due to convergent evolution
- 3. Homologous organs that have evolved due to divergent evolution
- 4. Analogous organs that have evolved due to convergent evolution

72) A cricket player is fast chasing a ball in the field. Which one of the following groups of bones are directly contributing in this movement?

- 1. Femur, malleus, tibia, metatarsals
- 2. Pelvis, ulna, patella, tarsals
- 3. Sternum, femur, tibia, fibula
- 4. Tarsals, femur, metatarsals, tibia

73) Which of the following statements is not correct?

- 1. Oxyntic cells are present in the mucosa of stomach and secrete HCI
- 2. Acini are present in the pancreas and secrete carboxypeptidase
- 3. Brunner's gland are present in the submucosa of stomach and secrete pepsinogen

4. Goblet cells are present in the mucosa of intestine and secrete mucus

74) Identify the correct and incorrect match about respiratory volume and capacities and mark the correct answer

i) Inspiratory capacity (IC) = Tidal Volume + Residual Volume

ii) Vital Capacity (VC) = Tidal Volume (TV) + Inspiratory Reserve Volume (IRV) + Expiratory Reserve Volume (ERV).

iii) Residual Volume (RV) = Vital Capacity (VC) – Inspiratory Reserve Volume (IRV)

iv) Tidal Volume (TV) = Inspiratory Capacity (IC) – Inspiratory Reserve Volume (IRV) Options:

1. (i) Incorrect, (ii) Incorrect, (iii) Incorrect, (iv) Correct

- 2. (i) Incorrect, (ii) Correct, (iii) Incorrect, (iv) Correct
- 3. (i) Correct, (ii) Correct, (iii) Incorrect, (iv) Correct
- 4. (i) Correct, (ii) Incorrect, (iii) Correct, (iv) Incorrect

75) Match the following and choose the correct option

Act	Year
a)Environment protection Act	i)1987
b)National Forest Policy	ii)1986
c)Water Act	iii)1988
d)Amendment of Air act to include noise	iv)1974

- 1. a-ii, b-iii, c- i, d-iv
- 2. a-iii, b- iv, c-ii, d-i
- 3. a-ii, b- iii, c- iv, d-i
- 4. a-iii, b-i, c-ii, d-iv

76) Which of the following approaches do not give the defined action of contraceptives?

Contraceptive method	Action
1) Intrauterine devices	Increase phagocytosis of sperms, suppress sperm motility and fertilizing capacity of sperms
(2)Barrier methods	Prevent gametogenesis
(3)Hormonal contraceptives	Prevent/retard the entry of sperms, prevent ovulation and Fertilization
(4)Vasectomy	Prevents spermiogenesis

- 1. 3 and 4
- 2. 2 and 4
- 3. 1 and 3
- 4. 2 and 3

77) Injury localized to the hypothalamus would most likely disrupt

- 1. Short term memory
- 2. Co-ordination during locomotion

- 3. Executive function, such as decision making
- 4. Regulation of body temperature

78) fertilization in humans is practically feasible only if:-

1. the sperms are transported into vagina just after the release of ovum in fallopian tube

2. the ovum an d sperms are transported simultaneously to ampullary isthmic junction of the fallopian tube

3. the ovum and sperms are transported simultaneously to ampullary - isthmic junction of the cervix

4. the sperms are transported into cervix within 48 hrs of release of ovum in uterus

79) The first clinical gene therapy was done for the treatment of:

1. AIDS

- 2. Cancer
- 3. Cystic fibrosis

4. SCID (Servere Combined Immuno Deficiency resulting form deficiency of ADA)

80) Which of the following statements is correct?

- 1. The descending limb of loop of Henle is impermeable to water.
- 2. The ascending limb of loop of Henle is permeable to water.
- 3. The descending limb of loop of Henle is permeable to electrolytes.
- 4. The ascending limb of loop of Henle is impermeable to water.

81) Study the four statements (A -- D) given below and select the two correct ones out of them:

A) A single Cross – breeding method helps to overcome inbreeding depression.

B) T – lymphocytes mediate cell mediated immune responses while B – lymphocytes involve in humoral immune responses.

C)Peptide chains 'A' and 'C' of Insulin are joined by disulfide bonds.

D)Morphine is a very effective sedative and useful in patients after surgery while Cocaine produces a sense of euphoria.

- 1. B and D
- 2. A and C
- 3. B and C
- 4. A and D

82) Cardiac activity could be moderated by the autonomous neural system. Select the correct answer:

- 1. The parasympathetic system stimulates heart rate and stroke volume
- 2. The sympathetic system stimulates heart rate and stroke volume
- 3. The parasympathetic system decreases the heart rate but increase stroke volume
- 4. The sympathetic system decreases the heart rate but increase stroke volume

83) Among the following where do you think the process of decomposition would be the fastest?

- 1. tropical rain forests
- 2. Antarctic
- 3. dry arid region
- 4. alpine region

84) An area in the brain which is associated with strong emotions is

- 1. Cerebral cortex
- 2. Cerebellum
- 3. Limbic system
- 4. Medulla

85) Match the following with reference to Cockroach and choose the correct option

- A. Phallomere i. Chain of developing ova
- B. Gonopore ii. Bundles of sperm
- C. Spermatophore iii. Opening of the ejaculatory duct
- D. Ovarioles iv. The external genitalia
- Correct Option is :
- 1. A-iii, B-iv, C-ii, D-i
- 2. A-iv, B-iii, C-ii, D-i
- 3. A-iv, B-ii, C-iii, D-i
- 4. A-ii, B-iv, C-iii, D-i

86) Select the correct option with respect to cockroaches

- 1. The fore wings are tegmina which are used in flight
- 2. Malpighian tubules convert nitrogenous wastes into urea

Column B

- 3. Males bear short anal styles not present in females
- 4. Nervous system comprises of a dorsal nerve cord and ten pairs of ganglion

87) Match the animals given in column A with their location in column B:

- Column A
- (i) Dodo (a) Africa
- (ii) Quagga (b) Russia
- (iii) Thylacine (c) Mauritius

(iv) Stellar's sea cow (d) Australia

Choose the correct match from the following:

- 1. i-a, ii-c, iii-b, iv-d
- 2. i-d, ii-c, iii-a, iv-b
- 3. i-c, ii-a, iii-b, iv-d
- 4. i-c, ii-a, iii-d, iv-b

88) Which one of the following four secretions is correctly matched with its source, target and nature of action ?

Secretion	Source	Target	Action
A) Gastrin	Lining of stomach	Oxyntic cells	Production of HCl
B) inhibin	Sertoli cells	Hypothalamus	Inhibition of GnRH
C) Enterokinase	Duodenum	Gall bladder	Release of bile juice
D) Atrial Natriuretic Factor	M cells of atria	Juxta glomerular	Inhibition of release
(ANF)		apparatus	of Renin

- 1. A
- 2. B
- 3. C
- 4. D

89) In which of the following both pairs have correct combination?

1. In situ conservation: Seed Bank - Ex situ conservation: National Park

2. In situ conservation: Tissue culture - Ex situ conservation : Sacred groves

3. In situ conservation: National Park - Ex situ conservation : Botanical Garden

4. In situ conservation: Cryopreservation - Ex situ conservation : Wildlife Sanctuary

90) Select the correct option with respect to features present in three animals

	Feature	Earthworm	Cockroach	Frog
А	Circulation	Open type	Closed type	Closed type
В	Respiration	Gills	Tracheae	Lungs
С	Sex	Unisexual	Unisexual	hermaphrodite
D	Excretion	Nephridia	Malpighian	Kidneys
			tubules	

1. A

2. B

3. C 4. D

4. D

NEET-2 Answers

Biology

1) 12) 13) 14) 25) 46) 37) 48) 39) 310) 411) 212) 313) 114) 415) 216) 217) 218) 119) 420) 221) 122) 223) 224) 225) 326) 127) 428) 329) 430) 231) 332) 433) 334) 335) 136) 437) 238) 239) 140) 241) 242) 343) 144) 445) 146) 347) 248) 249) 350) 351) 252) 253) 254) 355) 456) 357) 358) 359) 460) 361) 362) 363) 464) 165) 266) 167) 468) 469) 370) 171) 472) 473) 374) 275) 376) 277) 478) 279) 480) 481) 182) 283) 184) 385) 286) 387) 488) 489) 390) 4555