

NEET (UG) GRAND TEST

No. of Questions: 180

Max. Marks: 720

Time: 3 Hours

[Each Question carries 4 marks. For each incorrect response, one mark will be deducted]

నిన్నటి 'విద్య' తరువాయి

66. Choose the incorrect among the following:

- 1) Grave's disease : hyper thyroidism
- 2) Acromegaly : hypo secretion of human growth hormone
- 3) Addison's disease : hypo secretion of glucocorticoids
- 4) Diabetes insipidus : hypo secretion of Vasopressin

67. Identify the incorrect match.

Contraceptive device	Type	Mode of action
1) Condom	Barrier	Prevents the meeting of sperm and ovum
2) Multiload 375	IUD	Suppress the fertilizing capacity of sperms
3) Saheli	Oral steroidal contraceptive pill	Inhibits ovulation and implantation
4) LNG-20	IUD	Phagocytosis of sperms

68. In mammalian eye, the 'fovea' is the center of the visual field, where:

- 1) both cones and rods are absent.
- 2) high density of cones occur, but has no rods
- 3) the optic nerve leaves the eye
- 4) only rods are present

69. Which of the following statements about nephron is not true?

- 1) distal convoluted tubule involves in homeostasis of both K^+ and Na^+
- 2) descending limb of loop of Henle is impermeable to solutes
- 3) loop of Henle is mostly responsible for concentrated urine
- 4) ascending limb of loop of Henle is permeable to water

70. Select the correct option:

- 1) Turner's syndrome - monosomy in 21st chromosome - sterile female.
- 2) Phenylketonuria - X - linked recessive - accumulation of phenyl pyruvic acid
- 3) Klenefelter's syndrome - trisomy in 23rd pair of chromosomes - sterile male
- 4) Down's syndrome - triploid condition in karyotype -- mental retardation

71. Select the incorrect option related to disease, causative organism and symptoms:

Disease	Caused by	Symptoms
1) Ringworms	Microsporum	Dry, scaly lesions on body
2) Typhoid	Salmonella	Lips and nails turn gray to bluish in severe cases
3) Pneumonia	Haemophilus influenzae	Fever, chills, cough, headache
4) Elephantiasis	Wuchereria	Inflammation of organs

72. Production of Hissardale, a new breed of sheep by crossing Bikaneri ewes and Marino rams

is a method of :

- 1) close breeding
- 2) out - crossing
- 3) inter specific hybridization
- 4) cross - breeding

73. Select the Incorrect option of the following:

- 1) Spermiogenesis -- transformation of spermatids into spermatozoa
- 2) Capacitation - activation of spermatozoa in seminiferous

tubules

- 3) Spermiation-releasing of spermatozoa from seminiferous tubules
- 4) Ovulation- releasing of secondary oocyte from Graffian follicle

74. Select the correct option which shows correct matching of animal with excretory organs and excretory product

Animal	Excretory organs	Excretory product
1) Periplaneta	Renal tubules	Uric acid
2) Psittacula	Kidneys	Urea
3) Hippocampus	Nephridia	Ammonia
4) Salamander	Kidneys	Urea

75. During which phase of menstrual cycle both LH and FSH reach maximum levels?

- 1) Follicular phase
- 2) Secretory phase
- 3) Ovulation phase
- 4) menstrual phase

76. In the textbook you came across Three Mile Island and Chernobyl disasters associated with accidental leakage of radioactive wastes. In India we had suffered with Bhopal gas tragedy. It is associated with which of the following?

- 1) CO
- 2) Methyl Iso-Cyanate

3) CFC's 4) Methyl Cyanide

77. Select the correct option that

shows the influence of the hormone 'Aldosterone' in distal Convoluted tubule (DCT) of Nephron:

- 1) Reabsorption of Sodium; Secretion of Potassium
- 2) Reabsorption of Potassium; Secretion of Sodium
- 3) Secretion of both Sodium and Potassium
- 4) Reabsorption of both Sodium and Potassium

78. Very small animals are rarely found in the polar regions because:

- 1) Low O_2 levels at polar regions may not support high metabolic rate in smaller homeotherms
- 2) They have a larger surface area relative to their volume so heat loss is greater than heat production in them
- 3) Thermoregulatory mechanisms are poorly developed in them
- 4) The climate is unpredictable in polar regions

79. Satellite DNA is important because it:

- 1) Codes for enzymes needed for DNA replication
- 2) Codes for proteins needed in cell cycle
- 3) Shows high degree of polymorphism in population and also the same degree of polymorphism in an individual, which is heritable from parents to children
- 4) Does not code for proteins and is same in all members of the population

80. The type of natural selection that causes the evolution of two varieties of sunflower plants in dry and wet climatic conditions in US is:

- 1) directional selection
- 2) disruptive selection
- 3) stabilizing selection
- 4) centripetal selection

81. Select the correct option which is resulted due to damage/non-functioning of vasa efferentia :

- 1) urethra can transfer semen with normal state of spermatozoa
- 2) spermatogenesis does not occurs
- 3) seminal fluid without spermatozoa
- 4) spermatozoa cannot release in to cavities of seminiferous tubules

82. Select the correct option of the following related to types of antibodies and their significance

- a) Immunoglobulin - G : Rh antibodies
- b) Immunoglobulin - E : Allergic reactions
- c) Immunoglobulin - A : abundant in colostrums

d) Immunoglobulin-M : antibodies for antigen A and B

Options:

- 1) (a) and (b) are false
- 2) (c) and (d) are false
- 3) (b) and (d) are false
- 4) all are true

83. Match the following columns and choose the correct combinations from the given codes below.

Column I

(Population interaction)

- A) Mutualism
- B) Commensalism
- C) Parasitism
- D) Competition
- E) Predation

Column-II (Examples)

- i) Orchid, Ophrys and bee
- ii) Epiphyte on a mango branch
- iii) Ticks on dogs
- iv) Balanus and Chthamalus
- v) Sparrow and tiny seeds

A B C D E

- 1) i ii iv iii v
- 2) ii i v iv iii
- 3) i ii iii v iv
- 4) i ii iii iv v

84. Read the following statements and select the correct option:-

I) The prickly pear Cactus introduced into Australia in early 1920s caused havoc by spreading rapidly into millions of hectares of rangeland.

II) When certain exotic species are introduced into a geographical area, they become invasive and start spreading fast because the invaded land does not have its natural predators.

- 1) Both statements I and II are false
- 2) Both statements I and II are true
- 3) Statement I is true but II is false
- 4) Statement I is false but II is true

85. Human body compensates the low partial pressure of oxygen at high altitude by:-

- I) increasing size of erythrocytes
- II) decreasing binding affinity of haemoglobin
- III) decreasing breathing rate
- IV) increasing the number of erythrocytes
- V) increasing breathing rate

Choose the correct option :

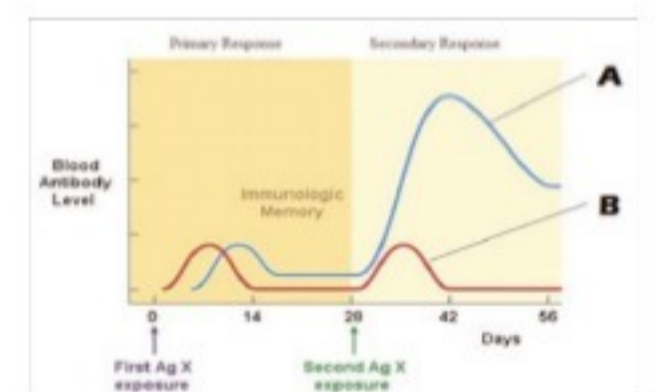
- 1) II, IV and V
- 2) I, III and IV
- 3) I, IV and V
- 4) II, III and IV

86. Select the correct option about the action of nicotine in cigarette smoke in the raising of blood

pressure and heart rate :-

- 1) stimulation of thyroid gland to release thyroxine
- 2) stimulation of adrenal gland to release adrenaline or noradrenaline.
- 3) initiation of adrenal gland to release aldosterone
- 4) stimulation of thymus gland to release thymosine

87. Select the correct option regarding the symbols A and B given in the following diagram related to types of immune responses (primary and secondary) and secretion of antibodies :



- 1) A = Ig A ; B = Ig G
- 2) A = Ig G ; B = Ig M
- 3) A = Ig D ; B = Ig E
- 4) A = Ig M ; B = Ig G

88. Which of the following hormone acts on both pancreas and gall bladder to release the pancreatic juice and bile juice into duodenum?

- 1) Secretin
- 2) Gastrin
- 3) Cholecystokinin
- 4) Enterocrinin

89. Match the animals which became extinct given in column 'A' with their location in column 'B';

- | Column A | Column B |
|-----------------------|--------------|
| 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

KEY

- 66) 2 67) 3 68) 2 69) 4 70) 3
71) 2 72) 4 73) 2 74) 4 75) 3
76) 2 77) 1 78) 2 79) 3 80) 2
81) 3 82) 4 83) 4 84) 2 85) 1
86) 2 87) 2 88) 3 89) 4

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