

“क्या पढ़ना है क्या छोड़ना है, सफलता के लिए अभ्यर्थी / प्रतिभागी को यह जानना आना चाहिए”

## GENERAL SCIENCE

### PRACTICE SET 2

1. "Assertion (A) Heart pacemaker is a life saving device when the normal heart rate of 72-80 drops to 30-40 due to a disease or any other cause.

Reason (R) Heart pace-maker electrically stimulates the contractile heart walls."

(a) Both A and R are true and R is the correct explanation of A

(b) Both A and R are true but R is not the correct explanation of A

(c) A is true but R is false

(d) A is false but R is true

2) Magnetic Resonance Imaging (MRI) is used in medical diagnosis to obtain images our internal body organs. This is primarily possible because

(a) our body possesses a permanent magnet

(b) MRI uses an external magnet to generate a magnetic field in our body

(c) MRI uses an external electric field to generate magnetic field in our body

(d) ions motions along our nerve cells generates magnetic field

3. Which among the following gland is known as " Clockwork gland" of human beings?

(a) Thyroid gland

(b) Pituitary gland

(c) Pineal gland

(d) Gonads

4. "Which of the following is the honey bee queen substance? "

(a) An ingredient of honey

(b) A pheromone secreted by the queen

(c) A type of wax used in cell construction

(d) An excretory product of the queen

5. Which of the following vector spreads the ksala- azar in human beings?

(a) Mosquito

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(b) Sand fly

(c) House fly

(d) Ticks

6. Ilmas, a species of Camel family are found in

(a) Africa

(b) Australia

(c) South America

(d) North America

7. The mad-cow disease in cattles is caused by

(a) virus

(b) bacteria

(c) protozoa

(d) prions

8. The fruit after ripening becomes soft. It is due to

(a) dissolution of tannin in sap

(b) dissolution of middle lamella

(c) formation of ethylene gas

(d) formation of auxin

9. Which of the following should a man consume if he lacks rhodopsin in his eyes?

(a) Orange and amla

(b) Papaya and mango

(c) Watermelon and orange

(d) Lemon and mango

10. "Assertion (A) All food chain will come to standstill if the bacteria disappears from the earth.

Reason (R) Bacteria are only associated with soil fertility and play hardly any role for food chain."

(a) Both A and R are true and R is the correct explanation of A

(b) Both A and R are true but R is not the correct explanation of A

(c) A is true but R is false

(d) A is false but R is true

11. Which one of the following is the connecting link between phylum annelida and arthropoda?

- (a) Peipatus
- (b) Elphidium
- (c) Neopilina
- (d) Archaeopteryx

12. Which one among the following affects the flowering in plants?

- (a) Gibberellin
- (b) Cytokinin
- (c) Florigen
- (d) Auxin

13. Which one among the following tissues can be used for the extraction of fibres?

- (a) xylem and phloem
- (b) xylem, phloem and sclerenchyma
- (c) xylem, parenchyma and phloem
- (d) xylem, phloem, epidermis and sclerenchyma

14. " Assertion (A) Algae and Green fuels are third generation biofuels.

Reason (R) The third generation biofuels are environment friendly and also known as advanced fuels"

- (a) Both A and R are true and R is the correct explanation of A
- (b) Both A and R are true but R is not the correct explanation of A
- (c) A is true but R is false
- (d) A is false but R is true

15. RNA differs from DNA in having

- (a) thymine
- (b) uracil
- (c) adenine
- (d) guanine

16. Father of the Indian Systematic Botany is

- (a) H Santapau
- (b) Birbal Sahni
- (c) SR Kashyap

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(d) R Mukherjee

(d) diabetes

17. Which of the following animals have the biconvex and non-nucleated RBCs?

- (a) Amphibians
- (b) Birds
- (c) Reptiles
- (d) Mammals

20. Which one among the following is activated in stress conditions?

- (a) Parasympathetic nervous system
- (b) Sympathetic nervous system
- (c) Somatic nervous system
- (d) Autonomous nervous system

18. The excretion of insoluble calcium phosphate present in our body is done by

- (a) kidney
- (b) liver
- (c) intestine
- (d) lung

21. The receptors for bitter taste are located at which part of tongue?

- (a) Base of tongue
- (b) Tip of tongue
- (c) Posterior median part of the tongue
- (d) The edges of tongue

19. You meet a person who has protruding eyes, tachycardia and higher body temperature. He/ She suffers from

- (a) hypothyroidism
- (b) hyperthyroidism
- (c) acromegaly

22. How do marine animals survive in water without air contact?

- (a) They do not require any oxygen
- (b) They take oxygen from water
- (c) They only produce oxygen in their body
- (d) They get oxygen from water plants

23. During meiosis, the disjunction of chromosomes can be seen in stage

- (a) metaphase I
- (b) metaphase II
- (c) anaphase I
- (d) anaphase II

24. Pituitary has been described as the master gland and its hormones govern other endocrine glands. But which of the following glands does not come under its influence?

- (a) Thyroid gland
- (b) Adrenal gland
- (c) Gonads
- (d) Pancreas

25. Which of the following is the cause of suffering of aged people from joint pains?

- (a) Overproduction of synovial fluids
- (b) Drying up of synovial fluids
- (c) Presence of more osteocytes

(d) Absence of osteocytes

26. The vitamin which is generally excreted by humans in urine is

- (a) vitamin A
- (b) vitamin D
- (c) vitamin C
- (d) vitamin E

27. Which of the following hormones is involved in the formation and maturation of RBCs?

- (a) Estrone
- (b) Erythropoietin
- (c) Thyroxine
- (d) Parathormone

28. "Consider the following statements

- I. The cervical ribs in the Giraffe are seven only
- II. All mammals have only seven cervical ribs.
- III. The long neck of the Camel is due to elongation of cervical ribs.

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IV. The long neck of the Giraffe is due to increase in the number of cervical ribs.

Which of the statements given above are correct?"

- (a) II, III and IV
- (b) II and III
- (c) I, II and III
- (d) All of these

29. Coagulation of blood in the vessel is prevented during normal condition by

- (a) prothrombin
- (b) calcium
- (c) heparin
- (d) albumin

30. Which of the following imparts yellow colour to urine in humans?

- (a) Cholesterol
- (b) Lymph
- (c) Urochrome
- (d) Bile salts

31. "Which of the following are characteristics of diabetes mellitus, a common disease of human beings?"

- I. Increase of blood sugar.
- II. Appearance of sugar in urine.
- III. Loss of hunger.
- IV. Lack of energy.

Which of the statements given above is/are correct?"

- (a) I, II and III
- (b) I, II and IV
- (c) II, III and IV
- (d) III and IV

32. Which one among the following animals is without the bone-marrow?

- (a) Frogs
- (b) Fishes
- (c) Lizards
- (d) Birds

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33. Which gland is associated with the production of lymphocytes and antibodies?

- (a) Hypothalamus
- (b) Adrenal
- (c) Thymus
- (d) Thyroid

34. To study the evolutionary kingdoms, which one of the following will be very useful

- (a) Fossils
- (b) Missing links
- (c) Connecting links
- (d) All of the above

35. The heart sound murmurs are heard during

- (a) closing of bicuspid and tricuspid valves.
- (b) closing of aortic and pulmonary semilunar valves
- (c) generated by turbulent flow of blood, either inside or outside the most.
- (d) None of the above

36. Removal of thymus gland in the early life of an experimental mammal will cause

- (a) lack of lymphocytes
- (b) lack of antibodies
- (c) lack of lymph nodes and vessels
- (d) Both 'a' and 'b'

37. "Consider the following statements

1. Sea mouse is a mammal
2. In sea mouse, the haemoglobin is dissolved in the plasma of blood.

Which of the statements given above is/are correct?"

- (a) Only 1
- (b) Only 2
- (c) Both 1 and 2
- (d) Neither 1 nor 2

38. Milk is unique in its nutritive value. However, it is a poor source of

- (a) calcium
- (b) iron

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(c) copper

(d) sodium

39. In a particular disease, the woman may possess male like characters like beards and moustaches. This happens because of

(a) hypersecretion of gonads

(b) hypersecretion of thyroid gland

(c) hyposecretion of adrenal gland

(d) hypersecretion of adrenal gland

40. Which one among the following organs manufacture albumin, fibrinogen and prothrombin?

(a) Bone marrow

(b) Spleen

(c) Liver

(d) Pancreas

41. Consider the following statements

I. Endoplasmic reticulum (ER) is called as “skeleton of cell”

II. ER is divided into three types according to presence or absence of ribosome.

III. Smooth ER is rich in actively protein secreting cells.

Which of the statements given above is/are correct?"

(a) Only 1

(b) I and II

(c) II and III

(d) Only III

42. The colour of flower petals is due to the presence of

(a) xanthophyll

(b) anthocyanin

(c) phycoerythrin

(d) carotene

43. The tusks of the elephants are modified

(a) molars

(b) premolars

(c) canines

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(d) incisors

44. Which of the following is the correct sequence according to an increase in diversity amongst the organisms?

- (a) Monera-Fungi-Protista-Plantae
- (b) Monera-Fungi-Plantae- Protista
- (c) Monera-Protista-Fungi-Plantae
- (d) Monera-Plantae-Fungi-Protista

45. "Consider the following diseases

I. Haemophilia

II. Progeria

III. Colour blindness

IV. Lesch-Nyhan syndrome

Which of the genetic diseases given above is/are X-linked?"

- (a) All of these
- (b) I, III and IV
- (c) II and III
- (d) III and IV

46. Assertion (A) In a experiment, the permanent colour painted on a tree stem about 2-feet above ground level remains unchanged after 6-months.

Reason (R) The meristematic tissue is found at the tip of trees."

- (a) Both A and R are true and R is the correct explanation of A
- (b) Both A and R are true but R is not the correct explanation of A
- (c) A is true but R is false
- (d) A is false but R is true

47. The number of cell organelles in our body can be kept in control by which of the following organelle?

- (a) Lysosome
- (b) Golgi bodies
- (c) Mitochondria
- (d) Nucleus

48. Father of biology is

- (a) Aristotle
- (b) Birbal Sahni
- (c) C Linnaeus

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(d) Charles Darwin

49. Which of the following cell organelle is found in a cell which is very active in protein synthesis?

- (a) Mitochondria
- (b) Chloroplast
- (c) Lysosome
- (d) Ribosome

50. The vestigial organ, vermiform appendix found in human beings is a part of

- (a) small intestine
- (b) large intestine
- (c) stomach
- (d) rectum

51. Consider the following Reserves

- I. Biosphere reserves
- II. National parks
- III. Tiger Reserves
- IV. Sanctuary reserves

Which of the reserves given above is/ are in-situ conservation sites?"

- (a) I, II, III and IV
- (b) I, III and IV
- (c) II and III
- (d) III and IV

52. Consider the following statements

I. In birds bone marrow is filled with air-sacs.

II. Air-sacs in birds helps in respiration as well as in body temperature regulation.

Which of the statements given above is/are correct?"

- (a) Only I
- (b) Only II
- (c) Both I and II
- (d) Neither I nor III

53. Consider the following statements

I. Chloroplast is known as cell within cell organelle.

II. Chloroplast is the largest cell organelle found in plant cells.

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III. Chloroplasts have single stranded extra-chromosomal DNA.

Which of the statements given above is/are correct?"

- (a) All of these
- (b) I and II
- (c) I and III
- (d) Only III

54. Which of the following cell organelle is mainly concerned with detoxification of drugs one takes during illness?

- (a) Smooth ER
- (b) Rough ER
- (c) Mitochondria
- (d) Lysosomes

55. Consider the following statements

I. Sphenodon, a living fossil is found in New Zealand.

II. Heloderma is a only poisonous lizard found in Nearctic region.

III. Phrynosoma, a horned toad is found in Australian region.

Which of the statements given above is/are correct?"

- (a) I and II
- (b) II and III
- (c) I and III
- (d) All of these

56. Consider the following statements

I. Frogs can breathe by lungs as well as skin.

II. Gills are present in certain stages of lifespan of Frogs.

Which of the statements given above is/are correct?"

- (a) Only I
- (b) Only II
- (c) Both 1 and II
- (d) Neither I nor III

57. The ultimate cause of water movement in a plant stem against gravity is

- (a) osmosis

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(b) transpiration

(c) photosynthesis

(d) diffusion

58. Select the correct answer

I. Galactose

II. Mannose

III. Lactose

Which of the sugar(s) given above has/have make the mucilage found in some fruits like ‘Bhindi’?”

(a) Only I

(b) I and II

(c) II and III

(d) Only III

59. Which among the following hormones is known as the Emergency hormone”?

(a) Thyroxine

(b) Oxytocin

(c) Vasopressin

(d) Adrenalin

60. Consider the following statements

I. Thirst and hunger feelings of man

II. Body temperature regulation in mammals

III. Salivation in mammals

IV. Respiration in animals

Which of the functions given above is/are performed by the hypothalamus?”

(a) I and III

(b) I and II

(c) II and III

(d) II and IV

61. Which one of the following organelles is the smallest membrane bound organelle?

(a) Ribosomes

(b) Golgi bodies

(c) Lysosome

(d) Nucleolus

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62. The vitamin which is very liable and easily destroyed during cooking as well as storage is

- (a) vitamin A
- (b) vitamin C
- (c) vitamin E
- (d) vitamin K

63. Which of the following is the X-linked genetic disease?

- (a) Becker's muscular dystrophy
- (b) Daltonism
- (c) Martin-Bell syndrome
- (d) All of the above

64. Which of the following vitamins is considered to be a para-thormone?

- (a) Vitamin A
- (b) Vitamin C
- (c) Vitamin D
- (d) Vitamin K

65. Which of the following vitamin is helpful for treatment of viral infection?

- (a) Vitamin C
- (b) Vitamin A
- (c) Vitamin B<sub>2</sub>
- (d) Vitamin K

66. "Assertion (A) Whale is a mammal.

Reason (R) Whale has abundant hairs on the body and is a viviparous animal."

- (a) Both A and R are true and R is the correct explanation of A
- (b) Both A and R are true but R is not the correct explanation of A
- (c) A is true but R is false
- (d) A is false but R is true

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67. Assertion (A) ACTH regulates the formation and maturation of RBCs in our body.

Reason (R) The stem cells in the bone marrow undergoes mitosis and speeds up the development of RBCs.

- (a) Both A and R are true and R is the correct explanation of A
- (b) Both A and R are true but R is not the correct explanation of A
- (c) A is true but R is false
- (d) A is false but R is true

68. Which of the following continent is known as the "Bird continent"?

- (a) Africa
- (b) Asia
- (c) South America
- (d) None of these

69. The energy currency of our cell/body is

- (a) NAD
- (b) GTP
- (c) AMP
- (d) ATP

70. "Consider the following statements

- I. Hyaluronic acid forms the synovial fluid of joints.
- II. Hyaluronic acid is a polysaccharide.

Which of the statements given above is/are correct?"

- (a) Only I
- (b) Only II
- (c) Both I and II
- (d) Neither I nor III

71. Which among the following is the first hormone produced by genetic engineering?

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- (a) Insulin
- (b) Cortisol
- (c) Thyroxine
- (d) Testosterone

72. The macro nutrients provided inorganic fertilisers are "

- (a) carbon, iron and boron
- (b) magnesium, manganese and sulphur
- (c) magnesium, zinc and iron
- (d) magnesium, phosphorus and potassium

73. Which one among the following nontoxic gases helps in formation of enzymes which ripen fruit?

- (a) Acetylene
- (b) Ethane
- (c) Methane
- (d) Carbon dioxide

Hide Answer

74. Which is the correct order of phases in prophase-I?

- (a) Leptotene, Diakinesis, Pachytene, Diplotene, Zygotene
- (b) Leptotene, Zygotene, Pachytene, Diplotene, Diakinesis
- (c) Diakinesis, Pachytene, Diplotene, Zygotene, Leptotene
- (d) Diakinesis, Pachytene, Leptotene, Diplotene, Zygotene

75. "Before X-ray examination (coloured X-ray) of the stomach, patients are given suitable salt of barium because "

- (a) barium salts are white in colour and this helps stomach to appear clearly
- (b) barium is a good absorber of X-rays and helps stomach to appear clearly
- (c) barium salts are easily available
- (d) barium allows X-rays to pass through the stomach

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76. The bacteria were discovered by which of the following person

- (a) H Urey
- (b) EH Haeckel
- (c) AV Leeuwenhoek
- (d) Ivanowski

77. Which of the following vitamins is required for the maturation of erythrocytes in human beings?

- (a) Vitamin A
- (b) Vitamin B<sub>2</sub>
- (c) Vitamin D
- (d) Vitamin B<sub>5</sub>

78. Which one among the following cycles involves the conversion of muscle lactic acid to muscle glycogen?

- (a) Kreb's cycle
- (b) Cori cycle

- (c) Ornithine cycle
- (d) EMP cycle

79. Which one among the following chemicals/hormones can be used to overcome the genetic dwarfness?

- (a) Auxin
- (b) Gibberellin
- (c) Ethylene
- (d) Cytokinin

80. "Select the correct answer using the codes given below

I. Heparin II. Natural gums III. Agar-agar

Which of the products given above is/are carbohydrates in nature?"

- (a) Only I
- (b) Only III
- (c) I and II
- (d) I, II and III

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81. Which one among the following is responsible for the expansion of water in the ocean?

- (a) Carbon dioxide
- (b) Nitrogen dioxide
- (c) Carbon monoxide
- (d) Sulphur dioxide

82. "A person passes much urine and drinks much water but his blood glucose level is normal. This condition may be due to "

- (a) hypersecretion of androgens from testes
- (b) hypersecretion of thyroxine from thyroid gland
- (c) hyposecretion of vasopressin from posterior pituitary gland
- (d) hyposecretion of corticosteroids from adrenal gland

83. The word "Taxonomy" was coined by

- (a) C Linnaeus

- (b) Theophrastus
- (c) De Candolle
- (d) Lamarck

84. Assertion (A) Malaria is always associated with anaemia.

Reason (R) Release of merozoites and an antibody produce by plasmodium cause wholesome destruction of RBCs."

- (a) Both A and R are true and R is the correct explanation of A
- (b) Both A and R are true but R is not the correct explanation of A
- (c) A is true but R is false
- (d) A is false but R is true

85. Assertion (A) The smog is mainly formed during daytime having clear sky and pollution free atmosphere.

Reason (R) The UV rays of sunlight catalyses the reaction of NO<sub>x</sub>, Hydrocarbons, etc contained in polluted air."

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(a) Both A and R are true and R is the correct explanation of A

(b) Both A and R are true but R is not the correct explanation of A

(c) A is true but R is false

(d) A is false but R is true

86. Plants genes of endangered species are stored in

(a) gene library

(b) gene bank

(c) herbarium

(d) None of these

87. Which one among the following gases readily combines with the haemoglobin of the blood?

(a) Methane

(b) Nitrogen dioxide

(c) Carbon monoxide

(d) Sulphur dioxide

88. Which of the following causes leads to mumps in human beings?

(a) Sublingual salivary gland infection

(b) Parotid salivary gland infection

(c) Maxillary salivary gland infection

(d) All of the above

89. In humans, which one among the following, with reference to breathing, is correct?.

(a) During inhalation, diaphragm relaxes

(b) During exhalation, thorax cavity expands

(c) During inhalation, intra-pleural pressure becomes more negative

(d) Unlike inhalation, normal exhalation is an active process

90. Consider the following statements

“क्या पढ़ना है क्या छोड़ना है, सफलता के लिए अभ्यर्थी / प्रतिभागी को यह जानना आना चाहिए”

I. The sickle cell anaemia is a genetic disease common in tropical and sub-tropical countries.

II. The sickle cell anaemia is due to mutation in (1-globulin gene.

III. Due to the sickles-shaped aneania, oxygen carrying capacity of the haemoglobin decreases.

Which of the statements given above is/are correct?"

- (a) Only I
- (b) I, II and III
- (c) II and III
- (d) Only III

91. Which of the following statements about sexual reproduction in flowering plants are correct?

I. Stamen is present in the center of a flower.

II. Stamen produce pollen grains in the ovary.

III. The swollen bottom part of carpel is the ovary.

IV. The fusion of germ cells gives rise to zygote.

Select the correct answer using the codes given below"

- (a) II, III and IV
- (b) II and IV
- (c) I and III
- (d) All of these

92. Consider the following statements

I. Penguin is a mammal found in Antarctic region.

II. Penguin is an oviparous animal.

Which of the statements given above is/are correct?"

- (a) Only I
- (b) Only II
- (c) Both I and II
- (d) Neither I nor III

93. Consider the following statements about the relaxin hormone

“क्या पढ़ना है क्या छोड़ना है, सफलता के लिए अभ्यर्थी / प्रतिभागी को यह जानना आना चाहिए”

I. It is a steroid hormone

(a) Only I

II. Softens the cervix during childbirth

(b) Only II

III. Inhibits uterine motility

(c) Both I and II

Which of the statements given above is/are correct?"

(d) Neither I nor II

(a) All of these

(b) I and II

(c) II and III

(d) Only III

95. People recovering from long illness are often advised to include the alga Spirulina in their diet because it

(a) makes the food easy to digest

(b) is rich in proteins

(c) has antibiotic properties

(d) restores intestinal micro flora

94. Consider the following statements about probiotic food.

I. Probiotic food contains live bacteria which are considered beneficial to humans.

II. Probiotic foods help in maintaining gut flora

Which of the statements given above is/are correct?"

96. To which one of the following types of organisms do mushrooms belong?

(a) Algae

(b) Ferns

(c) Lichens

(d) Fungi

97. The urine sample of a diabetic patient contains

- (a) sucrose
- (b) fructose
- (c) glucose
- (d) All of these

98. When a colour blind male marries a normal woman not carrying the gene for colour blindness, their offspring will be

- (a) normal sons and normal daughters
- (b) normal sons and carrier daughters
- (c) normal daughters and colour blind sons
- (d) colour blind sons and carrier daughters

99. In human body, the pancreas secretes its enzymes into which one of the following?

- (a) Stomach
- (b) Ileum
- (c) Jejunum
- (d) Duodenum

100. Where is the Institute of Microbial Technology (IMTECH) situated?

- (a) Mumbai
- (b) Chandigarh
- (c) Chandigarh
- (d) Chennai

101 The theory of the continental drift was proposed by

- (a) Alfred ulegener
- (b) Charles Darwin
- (c) Hutchinson
- (d) Linnaeus

102 The organ of the corti is found in which part of the human body?

- (a) Internal ear
- (b) Middle ear
- (c) External ear

“क्या पढ़ना है क्या छोड़ना है, सफलता के लिए अभ्यर्थी / प्रतिभागी को यह जानना आना चाहिए”

(d) None of these

Which of the statements given above is/are correct about mammalian dentition?"

103 Hyper osmotic urine secreted by human beings is due to presence of depends on

(a) I, II and IV

(b) II and III

(a) length of distal convoluted tubule

(c) I, III and IV

(b) width of Bowman's capsule

(d) II and IV

(c) loop of Henle

(d) length of proximal convoluted tubule

106. Which one among the following parts of castor seed yields oil?

(a) Nucellus

104. Which of the following is used in the production of yoghurt?

(b) Caruncle

(a) Streptococcus thermophilous

(c) Endosperm

(b) Lactobacillus bulgaris

(d) Cotyledon

(c) Streptococcus lactis

(d) Both 'a' and 'b'

107. In Opuntia, the spine is the modification of

105. Consider the mammalian dentitions

(a) leaf

(b) Stem

I. Heterodont II. Monophodont III. Thecodont IV. Diphyodont

(c) root

“क्या पढ़ना है क्या छोड़ना है, सफलता के लिए अभ्यर्थी / प्रतिभागी को यह जानना आना चाहिए”

(d) None of these

108 In which one of the following type of cell divisions does crossing over of chromosomes take place?

- (a) Mitosis
- (b) Amitosis
- (c) Meiosis
- (d) Cytokinesis

109"Assertion (A) Wind is the renewable and non-conventional source of energy.

Reason (R) India is ranked fifth in wind energy production in the world."

- (a) Both A and R are true and R is the correct explanation of A
- (b) Both A and R are true but R is not the correct explanation of A
- (c) A is true but R is false
- (d) A is false but R is true

110 Which among the following hormones can be used in the treatment of diabetes insipidus?

- (a) Estrone
- (b) Erythropoietin
- (c) Thyroxine
- (d) Vasopressin

111. Which one among the following is a major source of sugar?

- (a) Watermelon
- (b) Beetroot
- (c) Sugarcane
- (d) Date

112.Assertion (A) Plastids have single stranded extra chromosomal DNA.

Reason (R) Plastids are possessed by all eukaryotic organisms."

- (a) Both A and R are true and R is the correct explanation of A

“क्या पढ़ना है क्या छोड़ना है, सफलता के लिए अभ्यर्थी / प्रतिभागी को यह जानना आना चाहिए”

(b) Both A and R are true but R is not the correct explanation of A

(c) A is true but R is false

(d) A is false but R is true

113. Which cells cannot divide following the birth in humans?

(a) Nerve cells

(b) Muscle cells

(c) Osteoblast

(d) Epidermal cells

114. Which of the following cannot determine phylogenetic relationships among the organisms?

(a) Biogeography

(b) Embryology

(c) Physiology

(d) Morphology

115. Consider the following compounds

I. Acetylcholine II. Serotonin III. Noradrenalin IV. Alanine

Which of the compounds given above is/are neurotransmitters?"

(a) All of these

(b) I, II and III

(c) II and III

(d) III and IV

116. If a man is starving and also without beverages, there will be

(a) more urea in blood

(b) less urea in blood

(c) more uric acid in blood

(d) less urea in urine

117. In which of the following period the flowering plant, ie, Angiosperm appeared for the first time?

(a) Carboniferous

(b) Triassic

(c) Jurassic

(d) Cretaceous

118 "Select the correct answer

I. Amphibians II. Reptiles III. Birds  
IV. Mammals

Which of the following organisms  
given above are uricotelic?"

- (a) All of these
- (b) I, II and III
- (c) II and III
- (d) III and IV

119 The pH of human blood is  
normally around

- (a) 1.5-6.5
- (b) 5.5 - 6.5
- (c) 7.5 - 8.0
- (d) 8.5 - 9.0

120 "Consider the following  
statements

I. Pollen grains can withstand  
extremes of temperature and  
desiccation.

II. Pollen grains have sporopollenin,  
one of the most resistant biological  
material

Which of the statements given above  
is/are correct?"

- (a) Only I
- (b) Only II
- (c) Both II and III
- (d) Neither I nor II

121 "Select the correct answer

I. Lung fish

II. Spiny ant eater

III. Tortoise

Which of the organisms given above  
is/are connecting links?"

- (a) Only I
- (b) I and II
- (c) II and III
- (d) Only II

“क्या पढ़ना है क्या छोड़ना है, सफलता के लिए अभ्यर्थी / प्रतिभागी को यह जानना आना चाहिए”

122 "Consider the following statements

I. Femur is the longest bone in human body.

II. Stape is the smallest bone found in ear.

III. Stapedius is the smallest muscle in our body.

IV. Turbinal bones can be traced in forelimbs.

Which of the statements given above is/are correct? "

(a) All of these

(b) I, II and III

(c) II and III

(d) III and IV

123. The following is/are the symptoms associated with diabetes mellitus, a common disease of human beings

I. High sugar level in blood.

II. Lower sugar level in blood.

III. Higher insulin level in blood.

IV. Lower insulin level in blood.

Which of the statements given above is/are correct?"

(a) I, II and III

(b) I and IV

(c) II and III

(d) III and IV

124 "Assertion (A) In the common leech, the embryos are developed in a scocon.

Reason (R) The ditellum is permanently present in leech."

(a) Both A and R are true and R is the correct explanation of A

(b) Both A and R are true but R is not the correct explanation of A

(c) A is true but R is false

(d) A is false but R is true

125. In ferns, the meiosis occurred before the formation of

“क्या पढ़ना है क्या छोड़ना है, सफलता के लिए अभ्यर्थी / प्रतिभागी को यह जानना आना चाहिए”

(a) spores

(c) II and III

(b) protonema

(d) Only III

(c) gametes

(d) prothallus

128. Chemically silk fibres are predominantly

126. Which one among the following is the 'Bombaykol'?

(a) carbohydrate

(b) protein

(a) A sol synthesized in Bombay

(c) complex lipid

(b) A type of poison

(d) fatty acids

(c) A pheromone extracted from a silk moth

(d) None of the above

127. Consider the following diseases

I. Yellow fever

II. Plantar wart

III. HIV/AIDS

IV. Rubella

Which of the diseases given above is/are caused by virus?"

(a) All of these

(b) I, II and III