



SREE CHITRA TIRUNAL INSTITUTE FOR MEDICAL SCIENCES & TECHNOLOGY
THIRUVANANTHAPURAM—695 011

ENTRANCE EXAMINATION - ACADEMIC SESSION JANUARY-2019

PROGRAMME: PGDMRS

Time:90 Minutes

Max.Marks: 100

(Select the most appropriate answer)
(There are no negative marks for wrong answers)

1. Father of modern medicine is
 - a. Aristotle
 - b. Hippocrates
 - c. Plato
 - d. Hannemann
2. WHO head quarters is at
 - a. Washington
 - b. Geneva
 - c. Moscow
 - d. London
3. The first person to see a cell under microscope was
 - a. M.Schleiden
 - b. T. Schwann
 - c. Robert Hooke
 - d. A V Leeuwenhoek
4. Striking difference between plant cell and animal cell is due to the presence of
 - a. Centrosome
 - b. Plasma membrane
 - c. Cell wall
 - d. Chloroplast
5. Cell wall is
 - a. Permeable
 - b. Semi permeable
 - c. Differentially permeable
 - d. Impermeable
6. Cell Organelle, which has electron transport system is
 - a. Centriole
 - b. Endoplasmic reticulum
 - c. Mitochondria
 - d. Nucleolus

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7. Green pigments capable of capturing the energy of sunlight are located within the
- Ribosome
 - Mitochondria
 - Lysosomes
 - Chloroplasts
8. Which of the following is called "suicidal bag"
- Lysosome
 - Ribosome
 - Mitochondria
 - Nucleolus
9. Functional activities of cell are controlled by
- Protoplasm
 - Nucleolus
 - Nucleus
 - Mitochondria
10. Chromosomes are concerned with
- Transmission of hereditary characters
 - Nutrition
 - Assimilation
 - Respiration
11. The term mitosis was given by
- Farmer
 - Flemming
 - Boveri
 - Moore
12. Cork cells are
- Photosynthetic
 - Participate in movement
 - Meristamatic
 - Dead

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13. In man thickest skin is found in
 - a. Palm
 - b. Sole
 - c. Thigh
 - d. Thumb
 14. Horns of most animals are composed of
 - a. Bones
 - b. Cartilages
 - c. Keratin
 - d. Chitin
 15. Mammary glands are modified
 - a. Sebaceous glands
 - b. Oil glands
 - c. Sweat glands
 - d. Lymph glands
 16. Which of the following directly helps in keeping the body warm.
 - a. Adipose tissue
 - b. Sweat glands
 - c. Hair
 - d. Connective tissue
 17. Tendon connects
 - a. Cartilage with muscles
 - b. Bone with muscles
 - c. Ligament with muscles
 - d. Bone with bone
 18. Red blood cells are called
 - a. Leukocytes
 - b. Erythrocytes
 - c. Lymphocytes
 - d. Osteocytes
 19. Which one of these is a kind of tissue
 - a. Lung
 - b. Kidney
 - c. Pancreas
 - d. Blood

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20. Blood is
 - a. Acidic
 - b. Alkaline
 - c. Variable
 - d. Neutral
 21. Life span of RBC is
 - a. 50 days
 - b. 75 days
 - c. 100 days
 - d. 120 days
 22. Units of nervous system are
 - a. Axons
 - b. Dendrites
 - c. Cytons
 - d. Neurons
 23. An algae that imparts red colour to red sea is
 - a. Batrachospermum
 - b. Harveyella
 - c. Trichodesmium
 - d. Sargassum
 24. Study of fungi is known as
 - a. Phycology
 - b. Mycology
 - c. Palynology
 - d. Dendrology
 25. Alcoholic fermentation is due to
 - a. Yeast
 - b. Chlorella
 - c. Agaricus
 - d. Sclerospora
 26. Resin and turpentine are obtained from
 - a. Pinus
 - b. Abies
 - c. Cedrus
 - d. Cycas

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27. Part of the food that is not digested in the body is
- Starch
 - Cellulose
 - Proteins
 - Fat
28. For immediate energy production in cells one should take
- Glucose
 - Proteins
 - Vitamin c
 - Sucrose
29. Major requirement of proteins in body is for
- Energy
 - Proper nourishment
 - Repair
 - Growth
30. Anaemia is related to
- Iodine deficiency
 - Food adulteration
 - Iron deficiency
 - All the above
31. Rickets is a kind of disease
- Communicable disease
 - Genetic disease
 - Infective disease
 - Deficiency disease
32. In deficiency of which vitamin blood does not clot
- Vitamin A
 - Vitamin K
 - Vitamin C
 - Vitamin B12
33. What fraction of body is water
- $\frac{1}{4}$
 - $\frac{1}{2}$
 - $\frac{1}{3}$
 - $\frac{2}{3}$

- 34. Mode of transmission of communicable disease is dealt by a branch of science named
 - a. Epidemiology
 - b. Etiology
 - c. Immunology
 - d. Angiology
- 35. BCG vaccine is anti
 - a. Polio
 - b. Emphysema
 - c. Tuberculosis
 - d. Pneumonia
- 36. Jaundice is a disease of
 - a. Kidney
 - b. Pancreas
 - c. Liver
 - d. Duodenum
- 37. Gonorrhoea is a venereal disease transmitted by sexual contact. It is caused by
 - a. Virus
 - b. Bacteria
 - c. Protozoa
 - d. Fungus
- 38. Mumps is a viral disease that causes inflammation of
 - a. Parotid gland
 - b. Sublingual gland
 - c. Submaxillary gland
 - d. Infra-orbital gland
- 39. Poliomyelitis commonly called Polio affects which system
 - a. Muscular system
 - b. Nervous system
 - c. Digestive system
 - d. Circulatory system

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40. Bark of which plant yields famous drug of malaria.
 - a. Betula
 - b. Eucalyptus
 - c. Cinchona
 - d. Quercus
 41. AIDS disease was reported firstly in
 - a. Russia
 - b. Germany
 - c. France
 - d. USA
 42. which is a renewable source
 - a. Water
 - b. Coal
 - c. Fuels
 - d. Mineral
 43. Which is the most important source of food and fodder?
 - a. Algae
 - b. Lichen
 - c. Fungi
 - d. Cereal
 44. The largest area under cultivation in India is for which of the following?
 - a. Wheat
 - b. Rice
 - c. Sugarcane
 - d. Jowar
 45. Removal of top soil by wind is called
 - a. Soil conservation
 - b. Soil binding
 - c. Mulching
 - d. Soil erosion
 46. The science of improving crop varieties is called
 - a. Hybridisation
 - b. Selection
 - c. Plant breeding
 - d. Introduction

47. Recognition for bringing green revolution to India goes to
- Swaminathan
 - Borlaugh
 - B P Paul
 - Gurudev s khush
48. Study of fish culture is
- Ophidology
 - Ichthyology
 - Herpetology
 - Pisciculture
49. White revolution is related to the increase in the production of
- Egg
 - Wood
 - Milk
 - Meat
50. Abiotic component in an ecosystem is
- Water
 - Daphnia
 - Chlorella
 - Bacteria
51. The least porous soil among the following is
- Sandy soil
 - Loam soil
 - Peaty soil
 - Clay soil
52. Which of the following is main factor in water pollution
- Pesticides
 - Detergents
 - Industrial waste
 - Washing animals
53. Which will come next
2,6,10,14,18, ____
- 24
 - 22
 - 28
 - 30

- 54. Which will come next
3, 5, 8, 12, 17, 23, _____
 - a. 28
 - b. 32
 - c. 30
 - d. 40

- 55. Which will come next
5, 8, 14, 26, 50, _____
 - a. 91
 - b. 92
 - c. 105
 - d. 98

- 56. Which will come next
10, 20, 30, 35, _____
 - a. 50
 - b. 55
 - c. 45
 - d. 40

- 57. Which will come next
50, 75, 100, 150, _____
 - a. 200
 - b. 175
 - c. 250
 - d. 225

- 58. Which one is like mango, banana and grapes ?
 - a. Onion
 - b. Ginger
 - c. Apple
 - d. Lemon

- 59. Which one is like vote, ballot and poll ?
 - a. Election
 - b. Selection
 - c. Nomination
 - d. Participation

- 60. Which one is like wheat, barley and rice ?
 - a. Food
 - b. Gram
 - c. Cereal
 - d. Agriculture

- 61. Which one is like hair, grass and fur ?
 - a. Leather
 - b. Wood
 - c. Cloth
 - d. Feather
- 62. Which one is like calf, kid and pup?
 - a. Young
 - b. Infant
 - c. Animal
 - d. Larva
- 63. Closest meaning of "AVERAGE" is
 - a. Poor
 - b. Mean
 - c. Weak
 - d. Public
- 64. Closest meaning of "COMPLETE" is
 - a. Formulate
 - b. Absolute
 - c. Change
 - d. Stop
- 65. Closest meaning of "HEARSAY" is
 - a. Evidence
 - b. Sound
 - c. Rumour
 - d. Lies
- 66. Closest meaning of "PSEUDO" is
 - a. Extra
 - b. Bogus
 - c. Close
 - d. Special
- 67. Closest meaning of "SOURCE" is
 - a. Origin
 - b. Trace
 - c. Report
 - d. Read
- 68. Odd one out
 - a. Horse
 - b. Donkey
 - c. Cat
 - d. Goat

- 69. Odd one out
 - a. Dictionary
 - b. Magazine
 - c. Book
 - d. Library
- 70. Odd one out
 - a. Under
 - b. Near
 - c. Beside
 - d. Where
- 71. Odd one out
 - a. Root
 - b. Bud
 - c. Flower
 - d. Tree
- 72. Odd one out
 - a. Shop
 - b. Pen
 - c. Pencil
 - d. Paint
- 73. Odd one out
 - a. ~~Ear~~ Ear
 - b. Hand
 - c. Leg
 - d. Finger
- 74. Epidemic is related to disease. In the same way flood is related to
 - a. Water
 - b. Rain
 - c. River
 - d. Cloud
- 75. Needle is related to clock as wheel is related to
 - a. Drive
 - b. Circular
 - c. Vehicle
 - d. Move
- 76. Calf is related to cow as puppy is related to
 - a. Bitch
 - b. Dog
 - c. Donkey
 - d. Sheep

77. Flower is related to bud as fruit is related to
- Seed
 - Flower
 - Tree
 - Stem
78. Bird is related to wing as fish is related to
- Fin
 - Water
 - Gill
 - Tail
79. Part is related to whole as class is related to
- Student
 - School
 - Room
 - Teacher
80. Smoke is related to pollution in the same way war is related to
- Victory
 - Death
 - Army
 - Enemy
81. Entrance is related to exit. In the same way loyalty is related to
- ~~Dishonesty~~
 - Disrespect
 - Treachery
 - Falsehood
82. What is related to cracker in the same way as laugh is related to joke?
- Fear
 - Anger
 - Explode
 - None of these
83. What is related to leaves in the same way as teeth is related to chatter
- Rustle
 - Ripples
 - Cackle
 - None of these
84. Cat is related to mew as Horse is related to
- Stable
 - Roar
 - Bray
 - Neigh

85. Motor car is related to garage as Aeroplane is related to
- Workshop
 - Stand
 - Dock
 - Hangar
86. For what is Periyar wildlife sanctuary famous ?
- Only Elephants
 - Tiger and Elephants
 - Tiger and Lions
 - None of these
87. Gir National Park is in
- Gujarat
 - Rajasthan
 - Maharashtra
 - Tamil Nadu
88. At Allahabad river Ganga joins with the river
- Indus
 - Yamuna
 - Saraswathy
 - Brahmaputhra
89. Which is the Southernmost tip of the Indian main land ?
- Indira point
 - Tuticorin
 - Kanyakumari
 - Trivandrum
90. Apart from Srilanka, which other island state is our southern neighbour?
- Maldives
 - Myanmar
 - Mogadishu
 - Madagascar
91. Which is the second highest peak in the world?
- Mount Everest
 - K2
 - Kanchanjunga
 - Nanda Devi
92. The distribution of plants and animals on the earth is determined by
- Climate
 - Drainage
 - Soil
 - All the above

- 93. Plant species are called
 - a. Flora
 - b. Fauna
 - c. Biome
 - d. None of the above
- 94. The state having lowest literacy rate is
 - a. Mizoram
 - b. Bihar
 - c. Rajasthan
 - d. Madhyapradesh
- 95. Periyar project is in
 - a. Tamil Nadu
 - b. Karnataka
 - c. Kerala
 - d. Andhra pradesh
- 96. Largest producer of rice in India is
 - a. Tamil Nadu
 - b. Karnataka
 - c. West Bengal
 - d. Bihar
- 97. Minimum age for a person to be elected to Loksabha is
 - a. 30 years
 - b. 25 years
 - c. 35 years
 - d. 20 years
- 98. The Chief Minister in India is appointed by
 - a. Prime minister
 - b. President
 - c. Governor
 - d. Vice President
- 99. The smallest whole number is
 - a. 0
 - b. 2
 - c. 1
 - d. None of the above
- 100. An integer which is not divisible by 2 is called a/an
 - a. Even number
 - b. Odd number
 - c. Prime number
 - d. Composite number