



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

ENTRANCE EXAMINATION - ACADEMIC SESSION JANUARY 2018

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
- Farrner
 - Flemming
 - Boveri
 - Moore
12. Cork cells are
- Photosynthetic
 - Participate in movement
 - Meristamatic
 - Dead

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

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

40. Bark of which plant yields famous drug of malaria.
- Betula
 - Eucalyptus
 - Cinchona
 - Quercus
41. AIDS disease was reported firstly in
- Russia
 - Germany
 - France
 - USA
42. which is a renewable source
- Water
 - Coal
 - Fuels
 - Mineral
43. Which is the most important source of food and fodder?
- Algae
 - Lichen
 - Fungi
 - Cereal
44. The largest area under cultivation in India is for which of the following?
- Wheat
 - Rice
 - Sugarcane
 - Jowar
45. Removal of top soil by wind is called
- Soil conservation
 - Soil binding
 - Mulching
 - Soil erosion
46. The science of improving crop varieties is called
- Hybridisation
 - Selection
 - Plant breeding
 - 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
- Ophiology
 - 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
- Dictionary
 - Magazine
 - Book
 - Library
70. Odd one out
- Under
 - Near
 - Beside
 - Where
71. Odd one out
- Root
 - Bud
 - Flower
 - Tree
72. Odd one out
- Shop
 - Pen
 - Pencil
 - Paint
73. Odd one out
- ~~Eye~~ Ear
 - Hand
 - Leg
 - Finger
74. Epidemic is related to disease. In the same way flood is related to
- Water
 - Rain
 - River
 - Cloud
75. Needle is related to clock as wheel is related to
- Drive
 - Circular
 - Vehicle
 - Move
76. Calf is related to cow as puppy is related to
- Bitch
 - Dog
 - Donkey
 - 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