



## AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES


(Approved by A.I.C.T.E, P.C.I, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK-Kakinada)  
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.

www.avanthipharma.ac.in, principal@avanthipharma.ac.in

### 5.1.1: Number of students benefitted by scholarships and Freeships provided by the institution, Government and Non-Government bodies, industries, individuals, philanthropists during the Academic year 2019-2020

S.No	Name of the Scheme	No of Benefitted Students	Amount (Rs)	Page No
1	AIET free ship Policy	All free ships and Merit scholarship students	----	2-3
2	Model free ship Question Paper	----	----	4-14
3	Model free ship student Papers	----	----	15- 58
4	Qualified free ship Merit list	91	----	59-62
5	Free ship Students with sanctioned amount	91	1766000	63- 67
6	Merit scholarship students list with amount	54	214000	68- 70
<b>Total</b>			<b>1980000</b>	----



  
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Avanthi Institute of Pharmaceutical Sciences  
Cherukupally (V), Bhogapuram Mandal,  
Vizianagaram Dt., - 531162



DATE: 09-03-2018

## AVANTHI FREESHIP & MERIT SCHOLARSHIP POLICY

### Objective

The objective of the scheme is to provide financial assistance to the Scheduled students studying at Avanti Institute of Pharmaceutical Sciences to enable them to complete their education.

### Scope

These free ships are available for the students and are awarded based on evaluation of test result which is organized by Avanthi educational society. This is applicable to all the students who are currently beneficiaries of the scheme as well as fresh admissions. Merit scholarship scheme is to help meritorious students to complete their B. Pharm without financial burden.

### Student Free ships Framework

At Avanthi Institute of Pharmaceutical Sciences, we follow a Unified Student Freeship Framework to ensure that the deserving candidates get the required financial assistance. The framework is approved under the following conditions:

1. Admissions through freeship will be offered on a first-come, first-served basis
2. Admissions through freeships are limited up to 30% of the approved programme intake.
3. Once the 25% of seats are filled in a programme through freeships, despite qualifying for the freeship the student will not be entitled to the freeships.
4. For the freeships offered through various National and State Entrance Tests, the students are required to apply for AVANTHI FREESHIP AND MERIT SCHOLARSHIP INTERNAL POLICY and must attend the counselling for admission as per the schedule.
5. If a student is eligible for a freeship under more than one category through AVANTHI FREESHIP AND MERIT SCHOLARSHIP INTERNAL POLICY, National, and State Entrance Tests, then he/she will be awarded the highest percent of the freeships.
6. The freeships offered through AFT, National and State Exams is applicable for the First Year only. The same scholarship will be continued in the subsequent years of study based on the student performance.
7. After first year, and for the consequent years, the student must attain the attendance percentage 75 in previous academic year and maximum of 3 backlogs only considered to avail free ships further, and they must clear all subjects and should not have more than two backlogs in the previous academic year.



  
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### Scholarship eligibility calculator:

Scholarship percentage	AFT rank	AP EAPCET RANK
>75%	1-100	100-250
60% - 75%	101-250	251-1000
40%-60%	251-500	1001-5000
Upto 40%	500-1000	5001-20000


### Student Merit Scholarship Frame Work

The merit scholar ship will be provided for all First and Second TOPPERS of the student's year wise and branch wise.

1. For 1<sup>st</sup> TOPPER awarded -----5000/- Rs
2. For 2<sup>nd</sup> TOPPER awarded----- 3000/- Rs

The Avanthi Freeships and Merit Scholarships Policy is adapted on this day, the 9th of March 2018 at Avanthi Institute of Pharmaceutical Sciences, Cherukupally village Bhogapuram Mandal, Vizianagaram, Andhra Pradesh, 531162. According to the Merit Scholarship policy those who are academic year wise toppers the Avanthi educational society give Merit Scholarship awards to academic toppers on Anniversary Day.



  
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ESTD : 2005

## AVANTHI FREESHIPS QUALIFYING TEST

Department Name: Pharmacy

Date: 20-09-2019

Name of the Student: \_\_\_\_\_

Avanthi Freeship No.: \_\_\_\_\_

Duration: 180 min

Total Marks: 100

Tick the correct option for the following Multiple-Choice Questions

- Which of the following is a characteristic of arachnids?
  - Three pairs of legs
  - Antennae
  - Four pairs of legs
  - Soft body
- In vertebrates, what structure is responsible for oxygen exchange in the lungs?
  - Bronchi
  - Alveoli
  - Trachea
  - Diaphragm
- Which phylum includes animals with radial symmetry and stinging cells?
  - Mollusca
  - Porifera
  - Cnidaria
  - Annelida
- What is the scientific term for an instinctive, stereotypical behavior pattern displayed by animals in response to specific stimuli?
  - Habituation
  - Conditioning
  - Reflex
  - Fixed action pattern
- In Mendelian genetics, which of the following is a homozygous genotype?
  - Aa
  - Bb
  - AA
  - AB
- Which gland is often referred to as the "master gland" because it regulates other endocrine glands?
  - Thyroid gland
  - Adrenal gland
  - Pancreas
  - Pituitary gland
- What is the primary function of the antennae in insects?
  - Locomotion
  - Sensory perception
  - Reproduction
  - Defense



  
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8. Which level of ecological organization includes all living organisms in a particular area along with their physical environment?
  - a) Population
  - b) Community
  - c) Ecosystem
  - d) Biosphere
9. In mammals, what is the name of the fertilized egg before it implants into the uterine wall?
  - a) Blastula
  - b) Morula
  - c) Zygote
  - d) Blastocyst
10. Which neurotransmitter is commonly associated with mood regulation and is often targeted by antidepressant medications?
  - a) Serotonin
  - b) Dopamine
  - c) Acetylcholine
  - d) GABA (Gamma-aminobutyric acid)
11. Which organelle is responsible for energy production in a eukaryotic cell?
  - a) Golgi apparatus
  - b) Endoplasmic reticulum
  - c) Mitochondrion
  - d) Nucleus
12. What is the term for alternative forms of a gene at a specific locus?
  - a) Allele
  - b) Chromatid
  - c) Homolog
  - d) Zygote
13. What type of microorganism is responsible for fermentation in the production of bread and beer?
  - a) Bacteria
  - b) Fungi
  - c) Virus
  - d) Algae
14. The axial skeleton includes which of the following?
  - a) Arms and legs
  - b) Skull and vertebral column
  - c) Pelvis and ribs
  - d) Hands and feet
15. What is the primary function of the stomata in plant leaves?
  - a) Photosynthesis
  - b) Transpiration
  - c) Respiration
  - d) Absorption
16. Which cells are responsible for the specific immune response and the production of antibodies?
  - a) T cells
  - b) B cells
  - c) Natural killer cells
  - d) Macrophages



  
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17. What is the function of hemoglobin in red blood cells?
  - a) Oxygen transport
  - b) Nutrient absorption
  - c) Waste elimination
  - d) Enzyme production
18. Which level of ecological organization involves the interactions between different species in a specific area?
  - a) Population
  - b) Community
  - c) Ecosystem
  - d) Biosphere
19. What is the purpose of polymerase chain reaction (PCR) in molecular biology?
  - a) DNA sequencing
  - b) DNA replication
  - c) Gene cloning
  - d) Protein synthesis
20. Which part of the brain is responsible for coordinating voluntary muscle movements and maintaining balance?
  - a) Cerebrum
  - b) Cerebellum
  - c) Medulla oblongata
  - d) Thalamus
21. What subatomic particle is responsible for the chemical properties of an element?
  - a) Proton
  - b) Electron
  - c) Neutron
  - d) Positron
22. Which type of bond is formed by the sharing of electrons between two nonmetals?
  - a) Ionic
  - b) Covalent
  - c) Metallic
  - d) Polar
23. In which group of the periodic table would you find the alkali metals?
  - a) Group 1
  - b) Group 2
  - c) Group 17
  - d) Group 18
24. At what temperature does water boil at standard atmospheric pressure?
  - a) 0°C
  - b) 100°C
  - c) -273°C
  - d) 373 K
25. What is the balanced chemical equation for the reaction between hydrogen and oxygen to form water?
  - a)  $H_2 + O_2 \rightarrow H_2O$
  - b)  $2H_2 + O_2 \rightarrow 2H_2O$
  - c)  $H_2O \rightarrow H_2 + O_2$
  - d)  $2H_2O \rightarrow 2H_2 + O_2$



  
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26. Which of the following is a strong acid?
  - a) Acetic acid ( $\text{CH}_3\text{COOH}$ )
  - b) Hydrochloric acid ( $\text{HCl}$ )
  - c) Citric acid ( $\text{C}_6\text{H}_8\text{O}_7$ )
  - d) Carbonic acid ( $\text{H}_2\text{CO}_3$ )
27. What does the rate of a chemical reaction depend on?
  - a) Temperature only
  - b) Concentration of reactants only
  - c) Both temperature and concentration of reactants
  - d) Pressure only
28. Which functional group is present in aldehydes but not in ketones?
  - a) Carbonyl
  - b) Hydroxyl
  - c) Carboxyl
  - d) Amine
29. Enthalpy is a measure of a system's:
  - a) Heat content
  - b) Volume
  - c) Pressure
  - d) Entropy
30. What particle is emitted during beta decay?
  - a) Electron
  - b) Proton
  - c) Neutron
  - d) Positron
31. What is the SI unit of force?
  - a) Joule
  - b) Newton
  - c) Watt
  - d) Pascal
32. In which medium do sound waves travel the fastest?
  - a) Air
  - b) Water
  - c) Steel
  - d) Vacuum
33. What type of lens converges light rays to a single point?
  - a) Concave
  - b) Convex
  - c) Diverging
  - d) Plano-concave
34. Which material is a good conductor of electricity?
  - a) Rubber
  - b) Glass
  - c) Copper
  - d) Wood
35. What happens to the magnetic field when you break a bar magnet in half?
  - a) Both pieces become new magnets
  - b) One piece becomes a magnet, the other loses magnetism
  - c) Both pieces lose magnetism
  - d) The magnetic field remains the same

  
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36. What is the first law of thermodynamics also known as?
  - a) Law of Conservation of Energy
  - b) Boyle's Law
  - c) Charles's Law
  - d) Avogadro's Law
37. Which particle has a positive charge?
  - a) Proton
  - b) Neutron
  - c) Electron
  - d) Photon
38. What phenomenon is explained by Einstein's theory of relativity?
  - a) Photoelectric effect
  - b) Doppler effect
  - c) Newton's laws of motion
  - d) Archimedes' principle
39. What is the principle behind a hydraulic lift?
  - a) Pascal's principle
  - b) Bernoulli's principle
  - c) Archimedes' principle
  - d) Boyle's law
40. What is the force that tends to pull all objects with mass toward one another?
  - a) Electromagnetic force
  - b) Gravitational force
  - c) Strong nuclear force
  - d) Weak nuclear force
41. What is the unit of measurement for electrical potential difference?
  - a) Volts
  - b) Newtons
  - c) Joules
  - d) Amperes
42. In medical imaging, which type of radiation is commonly used for X-rays?
  - a) Alpha radiation
  - b) Beta radiation
  - c) Gamma radiation
  - d) Neutron radiation
43. Which of the following is an example of a hinge joint in the human body?
  - a) Shoulder joint
  - b) Hip joint
  - c) Knee joint
  - d) Elbow joint
44. What is the main function of DNA in living organisms?
  - a) Energy storage
  - b) Enzyme production
  - c) Genetic information storage
  - d) Protein synthesis
45. What is the basic unit of the nervous system responsible for transmitting signals?
  - a) Neuron
  - b) Nephron
  - c) Neutrino
  - d) Nucleon



  
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46. Which of the following is a measure of the opposition to the flow of electric current in a biological system?
  - a) Voltage
  - b) Resistance
  - c) Conductance
  - d) Capacitance
47. What is the primary effect of ionizing radiation on living cells?
  - a) Cell division
  - b) Cell mutation
  - c) Cell dehydration
  - d) Cell enlargement
48. What is the principle behind gel electrophoresis, a technique used in genetic research?
  - a) Magnetic force
  - b) Centrifugal force
  - c) Electric field
  - d) Gravitational force
49. Which of the following organs is primarily responsible for regulating blood pressure?
  - a) Liver
  - b) Kidneys
  - c) Heart
  - d) Lungs
50. What imaging technique uses magnetic fields and radio waves to generate detailed images of the internal structures of the body?
  - a) X-ray
  - b) Ultrasound
  - c) MRI (Magnetic Resonance Imaging)
  - d) PET scan (Positron Emission Tomography)
51. In which plant tissue does photosynthesis primarily occur?
  - a) Epidermis
  - b) Xylem
  - c) Phloem
  - d) Mesophyll
52. What is the primary function of the stomata in plant leaves?
  - a) Photosynthesis
  - b) Transpiration
  - c) Respiration
  - d) Absorption
53. Which of the following is a non-vascular plant?
  - a) Fern
  - b) Moss
  - c) Pine
  - d) Orchid
54. Which term refers to plants that complete their life cycle in a single growing season?
  - a) Annuals
  - b) Perennials
  - c) Biennials
  - d) Shrubs
55. In plant breeding, what is hybrid vigor or heterosis?
  - a) Weakness in hybrid plants
  - b) Superior qualities in hybrid plants

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- c) Hybrid sterility  
d) Genetic mutations in hybrids
56. Which plant hormone is responsible for promoting cell elongation and influencing phototropism?  
a) Gibberellins  
b) Auxins  
c) Cytokinins  
d) Abscisic acid
57. What type of organism causes Dutch Elm Disease, a common plant disease affecting elm trees?  
a) Bacteria  
b) Fungi  
c) Virus  
d) Nematodes
58. What is the main function of mycorrhizae in plant roots?  
a) Photosynthesis  
b) Nutrient absorption  
c) Water storage  
d) Reproduction
59. What is the outermost layer of cells in a young plant root responsible for absorbing water and nutrients?  
a) Cortex  
b) Endodermis  
c) Epidermis  
d) Pericycle
60. Which plant is the source of the drug aspirin?  
a) Willow  
b) Eucalyptus  
c) Poppy  
d) Digitalis
61. In which organ of the digestive system are nutrients primarily absorbed into the bloodstream?  
a) Stomach  
b) Small intestine  
c) Large intestine  
d) Liver
62. What is the term for the innate behavior exhibited by animals in response to environmental cues?  
a) Instinct  
b) Learning  
c) Conditioning  
d) Habituation
63. Which class do humans belong to in the classification of vertebrates?  
a) Amphibia  
b) Mammalia  
c) Aves  
d) Reptilia
64. What is the primary characteristic of arthropods?  
a) Soft bodies  
b) Radial symmetry



  
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- c) Jointed appendages  
d) Internal skeletons
65. In vertebrates, which chamber of the heart pumps oxygenated blood to the rest of the body?  
a) Left atrium  
b) Left ventricle  
c) Right atrium  
d) Right ventricle
66. Which scientist is known for his studies on animal behavior, particularly imprinting in birds?  
a) Jane Goodall  
b) Konrad Lorenz  
c) Nikolaas Tinbergen  
d) Dian Fossey
67. In a dihybrid cross, how many different combinations of alleles can be produced in the offspring?  
a) 2  
b) 4  
c) 8  
d) 16
68. Which of the following insects undergoes complete metamorphosis?  
a) Ant  
b) Grasshopper  
c) Butterfly  
d) Beetle
69. In mammals, what is the term for the early developmental stage of an embryo when it is a hollow ball of cells?  
a) Morula  
b) Blastocyst  
c) Blastula  
d) Zygote
70. Which part of the brain is responsible for coordinating motor movements and balance?  
a) Cerebrum  
b) Cerebellum  
c) Medulla oblongata  
d) Thalamus
71. What is the primary function of the mitochondria in a cell?  
a) Photosynthesis  
b) Cellular respiration  
c) DNA replication  
d) Protein synthesis
72. Which organelle is responsible for detoxifying harmful substances in the liver cells?  
a) Golgi apparatus  
b) Endoplasmic reticulum  
c) Lysosome  
d) Peroxisome
73. The process by which green plants convert light energy into chemical energy is called:  
a) Glycolysis  
b) Osmosis  
c) Photosynthesis  
d) Fermentation



  
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74. Which of the following is a biotic factor in an ecosystem?
- Temperature
  - Water availability
  - Plants
  - Soil composition
75. In human anatomy, the ulna is a bone located in which part of the body?
- Leg
  - Arm
  - Skull
  - Spine
76. The SI unit of electric current is:
- Volt
  - Ampere
  - Ohm
  - Watt
77. What is the law of conservation of energy?
- Energy cannot be created or destroyed, only transformed
  - Energy always flows from hot to cold objects
  - The total energy of a system increases with time
  - Energy is directly proportional to mass
78. Which of the following is a vector quantity?
- Speed
  - Distance
  - Acceleration
  - Mass
79. According to Newton's third law of motion, for every action, there is an equal and opposite:
- Force
  - Reaction
  - Acceleration
  - Momentum
80. What is the SI unit of force?
- Newton
  - Joule
  - Watt
  - Pascal
81. Which hormone is responsible for regulating blood sugar levels in the body?
- Insulin
  - Thyroxine
  - Estrogen
  - Testosterone
82. Which of the following is a primary function of leaves in plants?
- Photosynthesis
  - Water absorption
  - Root anchorage
  - Reproduction
83. What is the process by which water is lost from the aerial parts of plants, especially through small pores in leaves?
- Osmosis
  - Transpiration
  - Respiration



  
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- d) Absorption
84. Which plant hormone is responsible for promoting cell elongation and growth, especially in the stems?
- Gibberellin
  - Auxin
  - Cytokinin
  - Abscisic acid
85. In plant reproduction, what is the male gamete called?
- Ovule
  - Pollen
  - Seed
  - Embryo
86. The outermost layer of a plant root that absorbs water and nutrients is called:
- Cortex
  - Epidermis
  - Xylem
  - Phloem
87. Which part of a flower develops into a fruit after fertilization?
- Stamen
  - Pistil
  - Petal
  - Sepal
88. What is the term for the opening and closing of stomata in plant leaves to regulate gas exchange?
- Photosynthesis
  - Transpiration
  - Phototropism
  - Guard cell movement
89. Which process involves the fusion of male and female gametes to form a zygote in plants?
- Germination
  - Fertilization
  - Pollination
  - Translocation
90. Which of the following is a function of the phloem in plants?
- Water transport
  - Nutrient storage
  - Food transport
  - Mechanical support
91. What is the specialized region of a stem where leaves are attached?
- Node
  - Internode
  - Axil
  - Apical meristem
92. Which element is essential for all organic compounds?
- Hydrogen
  - Carbon
  - Oxygen
  - Nitrogen
93. What is the chemical symbol for gold?
- Au



  
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- b) Ag  
c) Fe  
d) Hg
94. What is the pH range for acidic solutions?  
a) 0-3  
b) 4-7  
c) 8-14  
d) 7-10
95. Which gas is responsible for the greenhouse effect on Earth?  
a) Oxygen  
b) Nitrogen  
c) Carbon dioxide  
d) Methane
96. What is the process of conversion of a liquid into vapor at its boiling point?  
a) Condensation  
b) Evaporation  
c) Sublimation  
d) Solidification
97. Which organ is responsible for filtering and removing waste products from the blood?  
a) Liver  
b) Kidney  
c) Heart  
d) Lungs
98. The respiratory system is responsible for the exchange of gases. Which gas is primarily taken in during inhalation?  
a) Carbon dioxide  
b) Nitrogen  
c) Oxygen  
d) Hydrogen
99. The human brain is divided into how many main parts?  
a) Two  
b) Three  
c) Four  
d) Five
100. What is the main function of the digestive system?  
a) Pump blood  
b) Break down and absorb nutrients  
c) Filter waste from the blood  
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**AVANTHI FREESHIPS QUALIFYING TEST**

Department Name: Pharmacy

Date: 20-09-2019

Name of the Student: B. RAMA KALA

Avanathi Freeship No.: 19AFTP0005

72  
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100

Duration: 180 min

Total Marks: 100

Tick the correct option for the following Multiple-Choice Questions

- Which of the following is a characteristic of arachnids?  
a) Three pairs of legs  
b) Antennae  
 c) Four pairs of legs  
d) Soft body
- In vertebrates, what structure is responsible for oxygen exchange in the lungs?  
a) Bronchi  
 b) Alveoli  
c) Trachea  
d) Diaphragm
- Which phylum includes animals with radial symmetry and stinging cells?  
a) Mollusca  
b) Porifera  
c) Cnidaria  
 d) Annelida
- What is the scientific term for an instinctive, stereotypical behavior pattern displayed by animals in response to specific stimuli?  
a) Habituation  
b) Conditioning  
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 d) Fixed action pattern
- In Mendelian genetics, which of the following is a homozygous genotype?  
a) Aa  
b) Bb  
 c) AA  
d) AB
- Which gland is often referred to as the "master gland" because it regulates other endocrine glands?  
a) Thyroid gland  
 b) Adrenal gland  
c) Pancreas  
d) Pituitary gland
- What is the primary function of the antennae in insects?  
a) Locomotion  
 b) Sensory perception  
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8. Which level of ecological organization includes all living organisms in a particular area along with their physical environment?  
a) Population  
b) Community  
c) Ecosystem  
d) ~~Biosphere~~  $\alpha$
9. In mammals, what is the name of the fertilized egg before it implants into the uterine wall?  
a) Blastula  
b) Morula  
c) Zygote  
d) ~~Blastocyst~~  $\alpha$
10. Which neurotransmitter is commonly associated with mood regulation and is often targeted by antidepressant medications?  
a) ~~Serotonin~~  
b) Dopamine  
c) Acetylcholine  
d) GABA (Gamma-aminobutyric acid)  $\alpha$
11. Which organelle is responsible for energy production in a eukaryotic cell?  
a) Golgi apparatus  
b) Endoplasmic reticulum  
c) ~~Mitochondrion~~  
d) Nucleus ✓
12. What is the term for alternative forms of a gene at a specific locus?  
a) Allele  
b) Chromatid  
c) Homolog  
d) ~~Zygote~~  $\alpha$
13. What type of microorganism is responsible for fermentation in the production of bread and beer?  
a) Bacteria  
b) Fungi  
c) Virus  
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14. The axial skeleton includes which of the following?  
a) Arms and legs  
b) ~~Skull and vertebral column~~  
c) Pelvis and ribs  
d) Hands and feet ✓
15. What is the primary function of the stomata in plant leaves?  
a) Photosynthesis  
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16. Which cells are responsible for the specific immune response and the production of antibodies?  
a) T cells  
b) ~~B cells~~  
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17. What is the function of hemoglobin in red blood cells?



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- a) Oxygen transport  
b) ~~Nutrient absorption~~  $\alpha$   
c) Waste elimination  
d) Enzyme production
18. Which level of ecological organization involves the interactions between different species in a specific area?  
a) Population  
b) ~~Community~~ ✓  
c) Ecosystem  
d) Biosphere
19. What is the purpose of polymerase chain reaction (PCR) in molecular biology?  
a) DNA sequencing  
b) DNA replication  
c) ~~Gene cloning~~ ✓  
d) Protein synthesis
20. Which part of the brain is responsible for coordinating voluntary muscle movements and maintaining balance?  
a) ~~Cerebrum~~ ✓  
b) Cerebellum  
c) Medulla oblongata  
d) Thalamus
21. What subatomic particle is responsible for the chemical properties of an element?  
a) Proton  
b) ~~Electron~~ ✓  
c) Neutron  
d) Positron
22. Which type of bond is formed by the sharing of electrons between two nonmetals?  
a) Ionic  
b) Covalent  $\alpha$   
c) ~~Metallic~~  
d) Polar
23. In which group of the periodic table would you find the alkali metals?  
a) ~~Group 1~~ ✓  
b) Group 2  
c) Group 17  
d) Group 18
24. At what temperature does water boil at standard atmospheric pressure?  
a) 0°C  
b) ~~100°C~~ ✓  
c) -273°C  
d) 373 K
25. What is the balanced chemical equation for the reaction between hydrogen and oxygen to form water?  
a)  $H_2 + O_2 \rightarrow H_2O$   
b)  $2H_2 + O_2 \rightarrow 2H_2O$   
c)  ~~$H_2O \rightarrow H_2 + O_2$~~   $\alpha$   
d)  $2H_2O \rightarrow 2H_2 + O_2$
26. Which of the following is a strong acid?

  
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- a) Acetic acid ( $\text{CH}_3\text{COOH}$ )  
b) Hydrochloric acid ( $\text{HCl}$ ) ✓  
c) Citric acid ( $\text{C}_6\text{H}_8\text{O}_7$ )  
d) Carbonic acid ( $\text{H}_2\text{CO}_3$ )
27. What does the rate of a chemical reaction depend on?  
a) Temperature only  
b) Concentration of reactants only  
c) Both temperature and concentration of reactants ✓  
d) Pressure only
28. Which functional group is present in aldehydes but not in ketones?  
a) Carbonyl  
b) Hydroxyl ✓  
c) Carboxyl  
d) Amine
29. Enthalpy is a measure of a system's:  
a) Heat content ✓  
b) Volume  
c) Pressure  
d) Entropy
30. What particle is emitted during beta decay?  
a) Electron ✓  
b) Proton  
c) Neutron  
d) Positron
31. What is the SI unit of force?  
a) Joule  
b) Newton ✓  
c) Watt  
d) Pascal
32. In which medium do sound waves travel the fastest?  
a) Air  
b) Water  
c) Steel ✓  
d) Vacuum
33. What type of lens converges light rays to a single point?  
a) Concave ✓  
b) Convex  
c) Diverging  
d) Plano-concave
34. Which material is a good conductor of electricity?  
a) Rubber  
b) Glass  
c) Copper ✓  
d) Wood
35. What happens to the magnetic field when you break a bar magnet in half?  
a) Both pieces become new magnets ✓  
b) One piece becomes a magnet, the other loses magnetism  
c) Both pieces lose magnetism

  
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- d) The magnetic field remains the same
36. What is the first law of thermodynamics also known as?  
a)  Law of Conservation of Energy  
b) Boyle's Law  
c) Charles's Law  
d) Avogadro's Law
37. Which particle has a positive charge?  
a)  Proton  
b) Neutron  
c) Electron  
d) Photon
38. What phenomenon is explained by Einstein's theory of relativity?  
a) Photoelectric effect  
b) Doppler effect  
c)  Newton's laws of motion  
d) Archimedes' principle
39. What is the principle behind a hydraulic lift?  
a)  Pascal's principle  
b) Bernoulli's principle  
c) Archimedes' principle  
d) Boyle's law
40. What is the force that tends to pull all objects with mass toward one another?  
a) Electromagnetic force  
b) Gravitational force  
c)  Strong nuclear force  
d) Weak nuclear force
41. What is the unit of measurement for electrical potential difference?  
a)  Volts  
b) Newtons  
c) Joules  
d) Amperes
42. In medical imaging, which type of radiation is commonly used for X-rays?  
a) Alpha radiation  
b) Beta radiation  
c)  Gamma radiation  
d) Neutron radiation
43. Which of the following is an example of a hinge joint in the human body?  
a) Shoulder joint  
b) Hip joint  
c) Knee joint  
d)  Elbow joint
44. What is the main function of DNA in living organisms?  
a)  Energy storage  
b) Enzyme production  
c) Genetic information storage  
d) Protein synthesis
45. What is the basic unit of the nervous system responsible for transmitting signals?  
a)  Neuron



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- b) Nephron  
c) Neutrino  
d) Nucleon
46. Which of the following is a measure of the opposition to the flow of electric current in a biological system?  
a) Voltage  
 b) Resistance ✓  
c) Conductance  
d) Capacitance
47. What is the primary effect of ionizing radiation on living cells?  
 a) Cell division ✓  
b) Cell mutation ✗  
c) Cell dehydration  
d) Cell enlargement
48. What is the principle behind gel electrophoresis, a technique used in genetic research?  
a) Magnetic force  
b) Centrifugal force  
 c) Electric field ✓  
d) Gravitational force
49. Which of the following organs is primarily responsible for regulating blood pressure?  
a) Liver  
 b) Kidneys ✓  
c) Heart  
d) Lungs
50. What imaging technique uses magnetic fields and radio waves to generate detailed images of the internal structures of the body?  
a) X-ray  
b) Ultrasound  
 c) MRI (Magnetic Resonance Imaging) ✓  
d) PET scan (Positron Emission Tomography)
51. In which plant tissue does photosynthesis primarily occur?  
a) Epidermis  
b) Xylem  
c) Phloem  
 d) Mesophyll ✓
52. What is the primary function of the stomata in plant leaves?  
a) Photosynthesis  
b) Transpiration  
 c) Respiration ✓  
d) Absorption
53. Which of the following is a non-vascular plant?  
a) Fern  
b) Moss  
 c) Pine ✗  
d) Orchid
54. Which term refers to plants that complete their life cycle in a single growing season?  
 a) Annuals ✓  
b) Perennials



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- c) Biennials  
d) Shrubs
55. In plant breeding, what is hybrid vigor or heterosis?  
a) Weakness in hybrid plants  
b) Superior qualities in hybrid plants ✓  
c) Hybrid sterility  
d) Genetic mutations in hybrids
56. Which plant hormone is responsible for promoting cell elongation and influencing phototropism?  
a) Gibberellins  
b) Auxins ✓  
c) Cytokinins  
d) Abscisic acid
57. What type of organism causes Dutch Elm Disease, a common plant disease affecting elm trees?  
a) Bacteria  
b) Fungi ✓  
c) Virus  
d) Nematodes
58. What is the main function of mycorrhizae in plant roots?  
a) Photosynthesis  
b) Nutrient absorption ✓  
c) Water storage  
d) Reproduction
59. What is the outermost layer of cells in a young plant root responsible for absorbing water and nutrients?  
a) Cortex  
b) Endodermis  
c) Epidermis ✓  
d) Pericycle
60. Which plant is the source of the drug aspirin?  
a) Willow  
b) Eucalyptus ✗  
c) Poppy  
d) Digitalis
61. In which organ of the digestive system are nutrients primarily absorbed into the bloodstream?  
a) Stomach  
b) Small intestine ✓  
c) Large intestine  
d) Liver
62. What is the term for the innate behavior exhibited by animals in response to environmental cues?  
a) Instinct  
b) Learning ✗  
c) Conditioning  
d) Habituation
63. Which class do humans belong to in the classification of vertebrates?  
a) Amphibia  
b) Mammalia ✓  
c) Aves  
d) Reptilia








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64. What is the primary characteristic of arthropods?  
a) Soft bodies  
b) Radial symmetry  
c)  Jointed appendages  
d) Internal skeletons
65. In vertebrates, which chamber of the heart pumps oxygenated blood to the rest of the body?  
a) Left atrium  
b)  Left ventricle  
c) Right atrium  
d) Right ventricle
66. Which scientist is known for his studies on animal behavior, particularly imprinting in birds?  
a)  Jane Goodall  
b) Konrad Lorenz  
c) Nikolaas Tinbergen  
d) Dian Fossey
67. In a dihybrid cross, how many different combinations of alleles can be produced in the offspring?  
a) 2  
b) 4  
c) 8  
d)  16
68. Which of the following insects undergoes complete metamorphosis?  
a) Ant  
b) Grasshopper  
c)  Butterfly  
d) Beetle
69. In mammals, what is the term for the early developmental stage of an embryo when it is a hollow ball of cells?  
a) Morula  
b) Blastocyst  
c) Blastula  
d)  Zygote
70. Which part of the brain is responsible for coordinating motor movements and balance?  
a) Cerebrum  
b)  Cerebellum  
c) Medulla oblongata  
d) Thalamus
71. What is the primary function of the mitochondria in a cell?  
a) Photosynthesis  
b)  Cellular respiration  
c) DNA replication  
d) Protein synthesis
72. Which organelle is responsible for detoxifying harmful substances in the liver cells?  
a) Golgi apparatus  
b) Endoplasmic reticulum  
c) Lysosome  
d)  Peroxisome
73. The process by which green plants convert light energy into chemical energy is called:  
a) Glycolysis



  
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- b) Osmosis  
~~c) Photosynthesis~~ ✓  
d) Fermentation
74. Which of the following is a biotic factor in an ecosystem?  
a) Temperature  
b) Water availability  
~~c) Plants~~ ✓  
d) Soil composition
75. In human anatomy, the ulna is a bone located in which part of the body?  
a) Leg  
~~b) Arm~~ ✓  
c) Skull  
d) Spine
76. The SI unit of electric current is:  
a) Volt  
~~b) Ampere~~ ✓  
c) Ohm  
d) Watt
77. What is the law of conservation of energy?  
a) Energy cannot be created or destroyed, only transformed  
~~b) Energy always flows from hot to cold objects~~ ✗  
c) The total energy of a system increases with time  
d) Energy is directly proportional to mass
78. Which of the following is a vector quantity?  
a) Speed  
b) Distance  
~~c) Acceleration~~ ✓  
d) Mass
79. According to Newton's third law of motion, for every action, there is an equal and opposite:  
a) Force  
~~b) Reaction~~ ✓  
c) Acceleration  
d) Momentum
80. What is the SI unit of force?  
~~a) Newton~~ ✓  
b) Joule  
c) Watt  
d) Pascal
81. Which hormone is responsible for regulating blood sugar levels in the body?  
~~a) Insulin~~ ✓  
b) Thyroxine  
c) Estrogen  
d) Testosterone
82. Which of the following is a primary function of leaves in plants?  
a) Photosynthesis  
~~b) Water absorption~~ ✗  
c) Root anchorage  
d) Reproduction



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83. What is the process by which water is lost from the aerial parts of plants, especially through small pores in leaves?
- a) Osmosis
  - b) Transpiration
  - c) Respiration
  - d) Absorption
84. Which plant hormone is responsible for promoting cell elongation and growth, especially in the stems?
- a) Gibberellin
  - b) Auxin
  - c) Cytokinin
  - d) Abscisic acid
85. In plant reproduction, what is the male gamete called?
- a) Ovule
  - b) Pollen
  - c) Seed
  - d) Embryo
86. The outermost layer of a plant root that absorbs water and nutrients is called:
- a) Cortex
  - b) Epidermis
  - c) Xylem
  - d) Phloem
87. Which part of a flower develops into a fruit after fertilization?
- a) Stamen
  - b) Pistil
  - c) Petal
  - d) Sepal
88. What is the term for the opening and closing of stomata in plant leaves to regulate gas exchange?
- a) Photosynthesis
  - b) Transpiration
  - c) Phototropism
  - d) Guard cell movement
89. Which process involves the fusion of male and female gametes to form a zygote in plants?
- a) Germination
  - b) Fertilization
  - c) Pollination
  - d) Translocation
90. Which of the following is a function of the phloem in plants?
- a) Water transport
  - b) Nutrient storage
  - c) Food transport
  - d) Mechanical support
91. What is the specialized region of a stem where leaves are attached?
- a) Node
  - b) Internode
  - c) Axil
  - d) Apical meristem
92. Which element is essential for all organic compounds?



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- a) Hydrogen  
~~b) Carbon~~  
c) Oxygen  
d) Nitrogen
93. What is the chemical symbol for gold?  
~~a) Au~~  
b) Ag  
c) Fe  
d) Hg
94. What is the pH range for acidic solutions?  
~~a) 0-3~~  
b) 4-7  
c) 8-14  
d) 7-10
95. Which gas is responsible for the greenhouse effect on Earth?  
a) Oxygen  
b) Nitrogen  
~~c) Carbon dioxide~~  
d) Methane
96. What is the process of conversion of a liquid into vapor at its boiling point?  
a) Condensation  
~~b) Evaporation~~  
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d) Solidification
97. Which organ is responsible for filtering and removing waste products from the blood?  
a) Liver  
b) Kidney  
~~c) Heart~~  
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98. The respiratory system is responsible for the exchange of gases. Which gas is primarily taken in during inhalation?  
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~~c) Filter waste from the blood~~  
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**AVANTHI FREESHIPS QUALIFYING TEST**

Department Name: Pharmacy

Date: 20-09-2019

Name of the Student: GI ADI NARAYANA

52  
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100

Avanthi Freeship No.: 19AETP0030

Duration: 180 min

Total Marks: 100

Tick the correct option for the following Multiple-Choice Questions

- Which of the following is a characteristic of arachnids?  
a) Three pairs of legs  
b) Antennae  
c) Four pairs of legs  
d) Soft body
- In vertebrates, what structure is responsible for oxygen exchange in the lungs?  
a) Bronchi  
b) Alveoli  
c) Trachea  
d) Diaphragm
- Which phylum includes animals with radial symmetry and stinging cells?  
a) Mollusca  
b) Porifera  
c) Cnidaria  
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- What is the scientific term for an instinctive, stereotypical behavior pattern displayed by animals in response to specific stimuli?  
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c) Reflex  
d) Fixed action pattern
- In Mendelian genetics, which of the following is a homozygous genotype?  
a) Aa  
b) Bb  
c) AA  
d) AB
- Which gland is often referred to as the "master gland" because it regulates other endocrine glands?  
a) Thyroid gland  
b) Adrenal gland  
c) Pancreas  
d) Pituitary gland
- What is the primary function of the antennae in insects?  
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b) Sensory perception  
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  - c) Zygote
  - d) Blastocyst
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  - b) Dopamine
  - c) Acetylcholine
  - d) GABA (Gamma-aminobutyric acid)
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  - b) Endoplasmic reticulum
  - c) Mitochondrion
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  - b) Chromatid
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  - a) Bacteria
  - b) Fungi
  - c) Virus
  - d) Algae
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  - a) Arms and legs
  - b) Skull and vertebral column
  - c) Pelvis and ribs
  - d) Hands and feet
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  - a) Photosynthesis
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  - a) T cells
  - b) B cells
  - c) Natural killer cells
  - d) Macrophages
17. What is the function of hemoglobin in red blood cells?



  
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- a) Oxygen transport  
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26. Which of the following is a strong acid?



  
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- a) Acetic acid ( $\text{CH}_3\text{COOH}$ )  
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45. What is the basic unit of the nervous system responsible for transmitting signals?
- a) Neuron



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- b) Nephron  
 c) Neutrino  
d) Nucleon
46. Which of the following is a measure of the opposition to the flow of electric current in a biological system?  
a) Voltage  
 b) Resistance  
c) Conductance  
d) Capacitance
47. What is the primary effect of ionizing radiation on living cells?  
a) Cell division  
 b) Cell mutation  
c) Cell dehydration  
d) Cell enlargement
48. What is the principle behind gel electrophoresis, a technique used in genetic research?  
a) Magnetic force  
 b) Centrifugal force  
c) Electric field  
d) Gravitational force
49. Which of the following organs is primarily responsible for regulating blood pressure?  
a) Liver  
 b) Kidneys  
c) Heart  
d) Lungs
50. What imaging technique uses magnetic fields and radio waves to generate detailed images of the internal structures of the body?  
a) X-ray  
b) Ultrasound  
 c) MRI (Magnetic Resonance Imaging)  
d) PET scan (Positron Emission Tomography)
51. In which plant tissue does photosynthesis primarily occur?  
a) Epidermis  
b) Xylem  
c) Phloem  
 d) Mesophyll
52. What is the primary function of the stomata in plant leaves?  
a) Photosynthesis  
b) Transpiration  
 c) Respiration  
d) Absorption
53. Which of the following is a non-vascular plant?  
 a) Fern  
b) Moss  
c) Pine  
d) Orchid
54. Which term refers to plants that complete their life cycle in a single growing season?  
 a) Annuals  
b) Perennials





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64. What is the primary characteristic of arthropods?  
a) Soft bodies  
b) Radial symmetry  
c) Jointed appendages  
d) Internal skeletons
65. In vertebrates, which chamber of the heart pumps oxygenated blood to the rest of the body?  
a) Left atrium  
b) Left ventricle  
c) Right atrium  
d) Right ventricle
66. Which scientist is known for his studies on animal behavior, particularly imprinting in birds?  
a) Jane Goodall  
b) Konrad Lorenz  
c) Nikolaas Tinbergen  
d) Dian Fossey
67. In a dihybrid cross, how many different combinations of alleles can be produced in the offspring?  
a) 2  
b) 4  
c) 8  
d) 16
68. Which of the following insects undergoes complete metamorphosis?  
a) Ant  
b) Grasshopper  
c) Butterfly  
d) Beetle
69. In mammals, what is the term for the early developmental stage of an embryo when it is a hollow ball of cells?  
a) Morula  
b) Blastocyst  
c) Blastula  
d) Zygote
70. Which part of the brain is responsible for coordinating motor movements and balance?  
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b) Cellular respiration  
c) DNA replication  
d) Protein synthesis
72. Which organelle is responsible for detoxifying harmful substances in the liver cells?  
a) Golgi apparatus  
b) Endoplasmic reticulum  
c) Lysosome  
d) Peroxisome
73. The process by which green plants convert light energy into chemical energy is called:  
a) Glycolysis







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- c) Biennials  
d) Shrubs
55. In plant breeding, what is hybrid vigor or heterosis?  
a) Weakness in hybrid plants  
b) Superior qualities in hybrid plants  
c) Hybrid sterility  
d) Genetic mutations in hybrids
56. Which plant hormone is responsible for promoting cell elongation and influencing phototropism?  
a) Gibberellins  
b) Auxins  
c) Cytokinins  
d) Abscisic acid
57. What type of organism causes Dutch Elm Disease, a common plant disease affecting elm trees?  
a) Bacteria  
b) Fungi  
c) Virus  
d) Nematodes
58. What is the main function of mycorrhizae in plant roots?  
a) Photosynthesis  
b) Nutrient absorption  
c) Water storage  
d) Reproduction
59. What is the outermost layer of cells in a young plant root responsible for absorbing water and nutrients?  
a) Cortex  
b) Endodermis  
c) Epidermis  
d) Pericycle
60. Which plant is the source of the drug aspirin?  
a) Willow  
b) Eucalyptus  
c) Poppy  
d) Digitalis
61. In which organ of the digestive system are nutrients primarily absorbed into the bloodstream?  
a) Stomach  
b) Small intestine  
c) Large intestine  
d) Liver
62. What is the term for the innate behavior exhibited by animals in response to environmental cues?  
a) Instinct  
b) Learning  
c) Conditioning  
d) Habituation
63. Which class do humans belong to in the classification of vertebrates?  
a) Amphibia  
b) Mammalia  
c) Aves  
d) Reptilia



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- b) Osmosis  
 c) Photosynthesis  
d) Fermentation
74. Which of the following is a biotic factor in an ecosystem?  
a) Temperature  
 b) Water availability  
c) Plants  
d) Soil composition
75. In human anatomy, the ulna is a bone located in which part of the body?  
a) Leg  
b) Arm  
 c) Skull  
d) Spine
76. The SI unit of electric current is:  
a) Volt  
 b) Ampere  
c) Ohm  
d) Watt
77. What is the law of conservation of energy?  
a) Energy cannot be created or destroyed, only transformed  
 b) Energy always flows from hot to cold objects  
c) The total energy of a system increases with time  
d) Energy is directly proportional to mass
78. Which of the following is a vector quantity?  
a) Speed  
b) Distance  
 c) Acceleration  
d) Mass
79. According to Newton's third law of motion, for every action, there is an equal and opposite:  
a) Force  
 b) Reaction  
c) Acceleration  
d) Momentum
80. What is the SI unit of force?  
 a) Newton  
b) Joule  
c) Watt  
d) Pascal
81. Which hormone is responsible for regulating blood sugar levels in the body?  
a) Insulin  
 b) Thyroxine  
c) Estrogen  
d) Testosterone
82. Which of the following is a primary function of leaves in plants?  
 a) Photosynthesis  
b) Water absorption  
c) Root anchorage  
d) Reproduction



  
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83. What is the process by which water is lost from the aerial parts of plants, especially through small pores in leaves?
- a) Osmosis
  - b) Transpiration
  - c) Respiration
  - d) Absorption
84. Which plant hormone is responsible for promoting cell elongation and growth, especially in the stems?
- a) Gibberellin
  - b) Auxin
  - c) Cytokinin
  - d) Abscisic acid
85. In plant reproduction, what is the male gamete called?
- a) Ovule
  - b) Pollen
  - c) Seed
  - d) Embryo
86. The outermost layer of a plant root that absorbs water and nutrients is called:
- a) Cortex
  - b) Epidermis
  - c) Xylem
  - d) Phloem
87. Which part of a flower develops into a fruit after fertilization?
- a) Stamen
  - b) Pistil
  - c) Petal
  - d) Sepal
88. What is the term for the opening and closing of stomata in plant leaves to regulate gas exchange?
- a) Photosynthesis
  - b) Transpiration
  - c) Phototropism
  - d) Guard cell movement
89. Which process involves the fusion of male and female gametes to form a zygote in plants?
- a) Germination
  - b) Fertilization
  - c) Pollination
  - d) Translocation
90. Which of the following is a function of the phloem in plants?
- a) Water transport
  - b) Nutrient storage
  - c) Food transport
  - d) Mechanical support
91. What is the specialized region of a stem where leaves are attached?
- a) Node
  - b) Internode
  - c) Axil
  - d) Apical meristem
92. Which element is essential for all organic compounds?



  
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- a) Hydrogen  
b) Carbon  
c) Oxygen  
d) Nitrogen
93. What is the chemical symbol for gold?  
a) Au  
b) Ag  
c) Fe  
d) Hg
94. What is the pH range for acidic solutions?  
a) 0-3  
b) 4-7  
c) 8-14  
d) 7-10
95. Which gas is responsible for the greenhouse effect on Earth?  
a) Oxygen  
b) Nitrogen  
c) Carbon dioxide  
d) Methane
96. What is the process of conversion of a liquid into vapor at its boiling point?  
a) Condensation  
b) Evaporation  
c) Sublimation  
d) Solidification
97. Which organ is responsible for filtering and removing waste products from the blood?  
a) Liver  
b) Kidney  
c) Heart  
d) Lungs
98. The respiratory system is responsible for the exchange of gases. Which gas is primarily taken in during inhalation?  
a) Carbon dioxide  
b) Nitrogen  
c) Oxygen  
d) Hydrogen
99. The human brain is divided into how many main parts?  
a) Two  
b) Three  
c) Four  
d) Five
100. What is the main function of the digestive system?  
a) Pump blood  
b) Break down and absorb nutrients  
c) Filter waste from the blood  
d) Exchange gases



  
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**AVANTHI FREESHIPS QUALIFYING TEST**

Department Name: Pharmacy

Date: 20-09-2019

Name of the Student: T. Poojitha

Avanthi Freeship No.: 19AFTP0092

69  
100

Duration: 180 min

Total Marks: 100

Tick the correct option for the following Multiple-Choice Questions

- Which of the following is a characteristic of arachnids?  
a) Three pairs of legs  
b) Antennae  
 c) Four pairs of legs  
d) Soft body
- In vertebrates, what structure is responsible for oxygen exchange in the lungs?  
a) Bronchi  
 b) Alveoli  
c) Trachea  
d) Diaphragm
- Which phylum includes animals with radial symmetry and stinging cells?  
a) Mollusca  
b) Porifera  
 c) Cnidaria  
d) Annelida
- What is the scientific term for an instinctive, stereotypical behavior pattern displayed by animals in response to specific stimuli?  
a) Habituation  
b) Conditioning  
 c) Reflex  
d) Fixed action pattern
- In Mendelian genetics, which of the following is a homozygous genotype?  
 a) Aa  
b) Bb  
c) AA  
d) AB
- Which gland is often referred to as the "master gland" because it regulates other endocrine glands?  
a) Thyroid gland  
b) Adrenal gland  
c) Pancreas  
 d) Pituitary gland
- What is the primary function of the antennae in insects?  
 a) Locomotion  
b) Sensory perception  
c) Reproduction  
d) Defense



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a) Blastula  
b) Morula  
 c) Zygote ✗  
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 a) Serotonin ✓  
b) Dopamine  
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  - c) Genetic information storage
  - d) Protein synthesis
45. What is the basic unit of the nervous system responsible for transmitting signals?
- a) Neuron



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- b) Nephron  
c) Neutrino  
d) Nucleon
46. Which of the following is a measure of the opposition to the flow of electric current in a biological system?  
a) Voltage ✓  
b) Resistance ✓  
c) Conductance  
d) Capacitance
47. What is the primary effect of ionizing radiation on living cells?  
a) Cell division  
b) Cell mutation  
c) Cell dehydration ✗  
d) Cell enlargement
48. What is the principle behind gel electrophoresis, a technique used in genetic research?  
a) Magnetic force  
b) Centrifugal force  
c) Electric field ✗  
d) Gravitational force
49. Which of the following organs is primarily responsible for regulating blood pressure?  
a) Liver  
b) Kidneys ✓  
c) Heart  
d) Lungs
50. What imaging technique uses magnetic fields and radio waves to generate detailed images of the internal structures of the body?  
a) X-ray  
b) Ultrasound  
c) MRI (Magnetic Resonance Imaging) ✓  
d) PET scan (Positron Emission Tomography)
51. In which plant tissue does photosynthesis primarily occur?  
a) Epidermis ✓  
b) Xylem  
c) Phloem  
d) Mesophyll ✓
52. What is the primary function of the stomata in plant leaves?  
a) Photosynthesis  
b) Transpiration ✗  
c) Respiration  
d) Absorption
53. Which of the following is a non-vascular plant?  
a) Fern  
b) Moss ✓  
c) Pine  
d) Orchid
54. Which term refers to plants that complete their life cycle in a single growing season?  
a) Annuals ✓  
b) Perennials



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- c) Biennials  
d) Shrubs
55. In plant breeding, what is hybrid vigor or heterosis?  
a) Weakness in hybrid plants  
b) Superior qualities in hybrid plants  
c) Hybrid sterility  
d) Genetic mutations in hybrids
56. Which plant hormone is responsible for promoting cell elongation and influencing phototropism?  
a) Gibberellins  
b) Auxins  
c) Cytokinins  
d) Abscisic acid
57. What type of organism causes Dutch Elm Disease, a common plant disease affecting elm trees?  
a) Bacteria  
b) Fungi  
c) Virus  
d) Nematodes
58. What is the main function of mycorrhizae in plant roots?  
a) Photosynthesis  
b) Nutrient absorption  
c) Water storage  
d) Reproduction
59. What is the outermost layer of cells in a young plant root responsible for absorbing water and nutrients?  
a) Cortex  
b) Endodermis  
c) Epidermis  
d) Pericycle
60. Which plant is the source of the drug aspirin?  
a) Willow  
b) Eucalyptus  
c) Poppy  
d) Digitalis
61. In which organ of the digestive system are nutrients primarily absorbed into the bloodstream?  
a) Stomach  
b) Small intestine  
c) Large intestine  
d) Liver
62. What is the term for the innate behavior exhibited by animals in response to environmental cues?  
a) Instinct  
b) Learning  
c) Conditioning  
d) Habituation
63. Which class do humans belong to in the classification of vertebrates?  
a) Amphibia  
b) Mammalia  
c) Aves  
d) Reptilia



  
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64. What is the primary characteristic of arthropods?  
a) Soft bodies  
b) Radial symmetry  
c) Jointed appendages  
d) Internal skeletons
65. In vertebrates, which chamber of the heart pumps oxygenated blood to the rest of the body?  
a) Left atrium  
b) Left ventricle  
c) Right atrium  
d) Right ventricle
66. Which scientist is known for his studies on animal behavior, particularly imprinting in birds?  
a) Jane Goodall  
b) Konrad Lorenz  
c) Nikolaas Tinbergen  
d) Dian Fossey
67. In a dihybrid cross, how many different combinations of alleles can be produced in the offspring?  
a) 2  
b) 4  
c) 8  
d) 16
68. Which of the following insects undergoes complete metamorphosis?  
a) Ant  
b) Grasshopper  
c) Butterfly  
d) Beetle
69. In mammals, what is the term for the early developmental stage of an embryo when it is a hollow ball of cells?  
a) Morula  
b) Blastocyst  
c) Blastula  
d) Zygote
70. Which part of the brain is responsible for coordinating motor movements and balance?  
a) Cerebrum  
b) Cerebellum  
c) Medulla oblongata  
d) Thalamus
71. What is the primary function of the mitochondria in a cell?  
a) Photosynthesis  
b) Cellular respiration  
c) DNA replication  
d) Protein synthesis
72. Which organelle is responsible for detoxifying harmful substances in the liver cells?  
a) Golgi apparatus  
b) Endoplasmic reticulum  
c) Lysosome  
d) Peroxisome
73. The process by which green plants convert light energy into chemical energy is called  
a) Glycolysis



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- b) ~~Osmosis~~  
c) ~~Photosynthesis~~  
d) ~~Fermentation~~ ✓
74. Which of the following is a biotic factor in an ecosystem?  
a) Temperature  
b) Water availability ✓  
c) ~~Plants~~  
d) ~~Soil composition~~
75. In human anatomy, the ulna is a bone located in which part of the body?  
a) Leg  
b) ~~Arm~~ ✓  
c) Skull  
d) Spine
76. The SI unit of electric current is:  
a) Volt  
b) ~~Ampere~~ ✓  
c) Ohm  
d) Watt
77. What is the law of conservation of energy?  
a) ~~Energy cannot be created or destroyed, only transformed~~  
b) ~~Energy always flows from hot to cold objects~~  
c) ~~The total energy of a system increases with time~~ ✓  
d) ~~Energy is directly proportional to mass~~
78. Which of the following is a vector quantity?  
a) Speed  
b) Distance  
c) ~~Acceleration~~ ✓  
d) Mass
79. According to Newton's third law of motion, for every action, there is an equal and opposite:  
a) Force  
b) Reaction ✓  
c) ~~Acceleration~~  
d) Momentum
80. What is the SI unit of force?  
a) ~~Newton~~ ✓  
b) Joule  
c) Watt  
d) Pascal
81. Which hormone is responsible for regulating blood sugar levels in the body?  
a) Insulin  
b) Thyroxine  
c) ~~Estrogen~~ ✓  
d) Testosterone
82. Which of the following is a primary function of leaves in plants?  
a) ~~Photosynthesis~~  
b) ~~Water absorption~~  
c) ~~Root anchorage~~  
d) ~~Reproduction~~



  
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83. What is the process by which water is lost from the aerial parts of plants, especially through small pores in leaves?  
a) Osmosis  
b) Transpiration ✓  
c) Respiration  
d) Absorption
84. Which plant hormone is responsible for promoting cell elongation and growth, especially in the stems?  
a) Gibberellin ✓  
b) Auxin  
c) Cytokinin  
d) Abscisic acid
85. In plant reproduction, what is the male gamete called?  
a) Ovule  
b) Pollen ✓  
c) Seed  
d) Embryo
86. The outermost layer of a plant root that absorbs water and nutrients is called:  
a) Cortex  
b) Epidermis ✓  
c) Xylem  
d) Phloem
87. Which part of a flower develops into a fruit after fertilization?  
a) Stamen  
b) Pistil ✓  
c) Petal  
d) Sepal
88. What is the term for the opening and closing of stomata in plant leaves to regulate gas exchange?  
a) Photosynthesis  
b) Transpiration ✓  
c) Phototropism  
d) Guard cell movement
89. Which process involves the fusion of male and female gametes to form a zygote in plants?  
a) Germination  
b) Fertilization ✓  
c) Pollination  
d) Translocation
90. Which of the following is a function of the phloem in plants?  
a) Water transport  
b) Nutrient storage  
c) Food transport ✓  
d) Mechanical support
91. What is the specialized region of a stem where leaves are attached?  
a) Node ✓  
b) Internode  
c) Axil  
d) Apical meristem
92. Which element is essential for all organic compounds?



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- a) ~~Hydrogen~~  
b) Carbon  
c) Oxygen  
d) Nitrogen
93. What is the chemical symbol for gold?  
a) ~~Au~~  
b) Ag  
c) Fe  
d) Hg
94. What is the pH range for acidic solutions?  
a) ~~0-3~~  
b) 4-7  
c) 8-14  
d) 7-10
95. Which gas is responsible for the greenhouse effect on Earth?  
a) Oxygen  
b) Nitrogen  
c) ~~Carbon dioxide~~  
d) Methane
96. What is the process of conversion of a liquid into vapor at its boiling point?  
a) ~~Condensation~~  
b) Evaporation  
c) Sublimation  
d) Solidification
97. Which organ is responsible for filtering and removing waste products from the blood?  
a) Liver  
b) ~~Kidney~~  
c) Heart  
d) Lungs
98. The respiratory system is responsible for the exchange of gases. Which gas is primarily taken in during inhalation?  
a) Carbon dioxide  
b) ~~Nitrogen~~  
c) Oxygen  
d) Hydrogen
99. The human brain is divided into how many main parts?  
a) Two  
b) Three  
c) ~~Four~~  
d) Five
100. What is the main function of the digestive system?  
a) Pump blood  
b) ~~Break down and absorb nutrients~~  
c) Filter waste from the blood  
d) Exchange gases



  
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**AVANTHI FREESHIPS QUALIFYING TEST**

Department Name: Pharmacy

Date: 20-09-2019

Name of the Student: N. Padma.

Avanathi Freeship No.: 19AFT00069

48  
—  
100

Duration: 180 min

Total Marks: 100

Tick the correct option for the following Multiple-Choice Questions

- Which of the following is a characteristic of arachnids?  
a) Three pairs of legs  
b) Antennae  
 c) Four pairs of legs  
d) Soft body
- In vertebrates, what structure is responsible for oxygen exchange in the lungs?  
a) Bronchi  
 b) Alveoli  
c) Trachea  
d) Diaphragm
- Which phylum includes animals with radial symmetry and stinging cells?  
a) Mollusca  
b) Porifera  
 c) Cnidaria  
d) Annelida
- What is the scientific term for an instinctive, stereotypical behavior pattern displayed by animals in response to specific stimuli?  
a) Habituation  
b) Conditioning  
c) Reflex  
 d) Fixed action pattern
- In Mendelian genetics, which of the following is a homozygous genotype?  
a) Aa  
b) Bb  
 c) AA  
d) AB
- Which gland is often referred to as the "master gland" because it regulates other endocrine glands?  
a) Thyroid gland  
b) Adrenal gland  
c) Pancreas  
 d) Pituitary gland
- What is the primary function of the antennae in insects?  
a) Locomotion  
 b) Sensory perception  
c) Reproduction  
d) Defense



  
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8. Which level of ecological organization includes all living organisms in a particular area along with their physical environment?
  - a) Population
  - b) Community
  - c) Ecosystem
  - d) Biosphere
9. In mammals, what is the name of the fertilized egg before it implants into the uterine wall?
  - a) Blastula
  - b) Morula
  - c) Zygote
  - d) Blastocyst
10. Which neurotransmitter is commonly associated with mood regulation and is often targeted by antidepressant medications?
  - a) Serotonin
  - b) Dopamine
  - c) Acetylcholine
  - d) GABA (Gamma-aminobutyric acid)
11. Which organelle is responsible for energy production in a eukaryotic cell?
  - a) Golgi apparatus
  - b) Endoplasmic reticulum
  - c) Mitochondrion
  - d) Nucleus
12. What is the term for alternative forms of a gene at a specific locus?
  - a) Allele
  - b) Chromatid
  - c) Homolog
  - d) Zygote
13. What type of microorganism is responsible for fermentation in the production of bread and beer?
  - a) Bacteria
  - b) Fungi.
  - c) Virus
  - d) Algae
14. The axial skeleton includes which of the following?
  - a) Arms and legs
  - b) Skull and vertebral column
  - c) Pelvis and ribs
  - d) Hands and feet
15. What is the primary function of the stomata in plant leaves?
  - a) Photosynthesis
  - b) Transpiration
  - c) Respiration
  - d) Absorption
16. Which cells are responsible for the specific immune response and the production of antibodies?
  - a) T cells
  - b) B cells
  - c) Natural killer cells
  - d) Macrophages
17. What is the function of hemoglobin in red blood cells?

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- a) Oxygen transport  
b) Nutrient absorption  
c) Waste elimination  
d) Enzyme production
18. Which level of ecological organization involves the interactions between different species in a specific area?  
a) Population  
b) Community  
c) Ecosystem  
d) Biosphere
19. What is the purpose of polymerase chain reaction (PCR) in molecular biology?  
a) DNA sequencing  
b) DNA replication  
c) Gene cloning  
d) Protein synthesis
20. Which part of the brain is responsible for coordinating voluntary muscle movements and maintaining balance?  
a) Cerebrum  
b) Cerebellum  
c) Medulla oblongata  
d) Thalamus
21. What subatomic particle is responsible for the chemical properties of an element?  
a) Proton  
b) Electron  
c) Neutron  
d) Positron
22. Which type of bond is formed by the sharing of electrons between two nonmetals?  
a) Ionic  
b) Covalent  
c) Metallic  
d) Polar
23. In which group of the periodic table would you find the alkali metals?  
a) Group 1  
b) Group 2  
c) Group 17  
d) Group 18
24. At what temperature does water boil at standard atmospheric pressure?  
a) 0°C  
b) 100°C  
c) -273°C  
d) 373 K
25. What is the balanced chemical equation for the reaction between hydrogen and oxygen to form water?  
a)  $H_2 + O_2 \rightarrow H_2O$   
b)  $2H_2 + O_2 \rightarrow 2H_2O$   
c)  $H_2O \rightarrow H_2 + O_2$   
d)  $2H_2O \rightarrow 2H_2 + O_2$
26. Which of the following is a strong acid?



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- a) Acetic acid ( $\text{CH}_3\text{COOH}$ )  
 b) Hydrochloric acid ( $\text{HCl}$ )  
c) Citric acid ( $\text{C}_6\text{H}_8\text{O}_7$ )  
d) Carbonic acid ( $\text{H}_2\text{CO}_3$ )
27. What does the rate of a chemical reaction depend on?  
 a) Temperature only  
b) Concentration of reactants only  
c) Both temperature and concentration of reactants  
d) Pressure only
28. Which functional group is present in aldehydes but not in ketones?  
 a) Carbonyl  
b) Hydroxyl  
c) Carboxyl  
d) Amine
29. Enthalpy is a measure of a system's:  
 a) Heat content  
b) Volume  
c) Pressure  
d) Entropy
30. What particle is emitted during beta decay?  
 a) Electron  
b) Proton  
c) Neutron  
d) Positron
31. What is the SI unit of force?  
a) Joule  
b) Newton  
 c) Watt  
d) Pascal
32. In which medium do sound waves travel the fastest?  
a) Air  
b) Water  
 c) Steel  
d) Vacuum
33. What type of lens converges light rays to a single point?  
a) Concave  
 b) Convex  
c) Diverging  
d) Plano-concave
34. Which material is a good conductor of electricity?  
a) Rubber  
b) Glass  
 c) Copper  
d) Wood
35. What happens to the magnetic field when you break a bar magnet in half?  
 a) Both pieces become new magnets  
b) One piece becomes a magnet, the other loses magnetism  
c) Both pieces lose magnetism



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- d) The magnetic field remains the same
36. What is the first law of thermodynamics also known as?  
a) Law of Conservation of Energy ✓  
b) Boyle's Law  
c) Charles's Law  
d) Avogadro's Law
37. Which particle has a positive charge?  
a) Proton ✓  
b) Neutron  
c) Electron  
d) Photon
38. What phenomenon is explained by Einstein's theory of relativity?  
a) Photoelectric effect  
b) Doppler effect ✓  
c) Newton's laws of motion  
d) Archimedes' principle
39. What is the principle behind a hydraulic lift?  
a) Pascal's principle ✓  
b) Bernoulli's principle  
c) Archimedes' principle  
d) Boyle's law
40. What is the force that tends to pull all objects with mass toward one another?  
a) Electromagnetic force  
b) Gravitational force ✓  
c) Strong nuclear force  
d) Weak nuclear force
41. What is the unit of measurement for electrical potential difference?  
a) Volts ✓  
b) Newtons  
c) Joules  
d) Amperes
42. In medical imaging, which type of radiation is commonly used for X-rays?  
a) Alpha radiation  
b) Beta radiation  
c) Gamma radiation  
d) Neutron radiation ✓
43. Which of the following is an example of a hinge joint in the human body?  
a) Shoulder joint  
b) Hip joint  
c) Knee joint  
d) Elbow joint ✓
44. What is the main function of DNA in living organisms?  
a) Energy storage  
b) Enzyme production  
c) Genetic information storage ✓  
d) Protein synthesis
45. What is the basic unit of the nervous system responsible for transmitting signals?  
a) Neuron ✓

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- b) Nephron  
c) Neutrino  
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c) Phloem  
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b) Moss  
c) Pine  
d) Orchid
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a) Annuals  
b) Perennials



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- c) Biennials  
d) Shrubs
55. In plant breeding, what is hybrid vigor or heterosis?  
a) Weakness in hybrid plants  
b) Superior qualities in hybrid plants  
c) Hybrid sterility  
d) Genetic mutations in hybrids
56. Which plant hormone is responsible for promoting cell elongation and influencing phototropism?  
a) Gibberellins  
b) Auxins  
c) Cytokinins  
d) Abscisic acid
57. What type of organism causes Dutch Elm Disease, a common plant disease affecting elm trees?  
a) Bacteria  
b) Fungi  
c) Virus  
d) Nematodes
58. What is the main function of mycorrhizae in plant roots?  
a) Photosynthesis  
b) Nutrient absorption  
c) Water storage  
d) Reproduction
59. What is the outermost layer of cells in a young plant root responsible for absorbing water and nutrients?  
a) Cortex  
b) Endodermis  
c) Epidermis  
d) Pericycle
60. Which plant is the source of the drug aspirin?  
a) Willow  
b) Eucalyptus  
c) Poppy  
d) Digitalis
61. In which organ of the digestive system are nutrients primarily absorbed into the bloodstream?  
a) Stomach  
b) Small intestine  
c) Large intestine  
d) Liver
62. What is the term for the innate behavior exhibited by animals in response to environmental cues?  
a) Instinct  
b) Learning  
c) Conditioning  
d) Habituation
63. Which class do humans belong to in the classification of vertebrates?  
a) Amphibia  
b) Mammalia  
c) Aves  
d) Reptilia



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64. What is the primary characteristic of arthropods?  
a) Soft bodies  
b) Radial symmetry  
c) Jointed appendages ✓  
d) Internal skeletons
65. In vertebrates, which chamber of the heart pumps oxygenated blood to the rest of the body?  
a) Left atrium  
b) Left ventricle ✓  
c) Right atrium X  
d) Right ventricle
66. Which scientist is known for his studies on animal behavior, particularly imprinting in birds?  
a) Jane Goodall  
b) Konrad Lorenz ✓  
c) Nikolaas Tinbergen  
d) Dian Fossey
67. In a dihybrid cross, how many different combinations of alleles can be produced in the offspring?  
a) 2 ✓  
b) 4  
c) 8 X  
d) 16
68. Which of the following insects undergoes complete metamorphosis?  
a) Ant  
b) Grasshopper  
c) Butterfly X  
d) Beetle
69. In mammals, what is the term for the early developmental stage of an embryo when it is a hollow ball of cells?  
a) Morula  
b) Blastocyst  
c) Blastula ✓  
d) Zygote
70. Which part of the brain is responsible for coordinating motor movements and balance?  
a) Cerebrum  
b) Cerebellum  
c) Medulla oblongata X  
d) Thalamus
71. What is the primary function of the mitochondria in a cell?  
a) Photosynthesis ✓  
b) Cellular respiration  
c) DNA replication X  
d) Protein synthesis
72. Which organelle is responsible for detoxifying harmful substances in the liver cells?  
a) Golgi apparatus  
b) Endoplasmic reticulum ✓  
c) Lysosome X  
d) Peroxisome
73. The process by which green plants convert light energy into chemical energy is called:  
a) Glycolysis



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- b) Osmosis  
c) Photosynthesis ✓  
d) Fermentation ✓
74. Which of the following is a biotic factor in an ecosystem?  
a) Temperature  
b) Water availability ✓  
c) Plants ✓  
d) Soil composition
75. In human anatomy, the ulna is a bone located in which part of the body?  
a) Leg  
b) Arm  
c) Skull ✗  
d) Spine
76. The SI unit of electric current is:  
a) Volt  
b) Ampere ✓  
c) Ohm ✓  
d) Watt
77. What is the law of conservation of energy?  
a) Energy cannot be created or destroyed, only transformed ✓  
b) Energy always flows from hot to cold objects  
c) The total energy of a system increases with time ✓  
d) Energy is directly proportional to mass
78. Which of the following is a vector quantity?  
a) Speed  
b) Distance  
c) Acceleration ✓  
d) Mass
79. According to Newton's third law of motion, for every action, there is an equal and opposite:  
a) Force  
b) Reaction  
c) Acceleration ✗  
d) Momentum
80. What is the SI unit of force?  
a) Newton ✓  
b) Joule  
c) Watt ✗  
d) Pascal
81. Which hormone is responsible for regulating blood sugar levels in the body?  
a) Insulin ✓  
b) Thyroxine  
c) Estrogen  
d) Testosterone ✓
82. Which of the following is a primary function of leaves in plants?  
a) Photosynthesis  
b) Water absorption ✓  
c) Root anchorage  
d) Reproduction



  
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83. What is the process by which water is lost from the aerial parts of plants, especially through small pores in leaves?
- a) Osmosis
  - b) Transpiration
  - c) Respiration
  - d) Absorption
84. Which plant hormone is responsible for promoting cell elongation and growth, especially in the stems?
- a) Gibberellin
  - b) Auxin
  - c) Cytokinin
  - d) Abscisic acid
85. In plant reproduction, what is the male gamete called?
- a) Ovule
  - b) Pollen
  - c) Seed
  - d) Embryo
86. The outermost layer of a plant root that absorbs water and nutrients is called:
- a) Cortex
  - b) Epidermis
  - c) Xylem
  - d) Phloem
87. Which part of a flower develops into a fruit after fertilization?
- a) Stamen
  - b) Pistil
  - c) Petal
  - d) Sepal
88. What is the term for the opening and closing of stomata in plant leaves to regulate gas exchange?
- a) Photosynthesis
  - b) Transpiration
  - c) Phototropism
  - d) Guard cell movement
89. Which process involves the fusion of male and female gametes to form a zygote in plants?
- a) Germination
  - b) Fertilization
  - c) Pollination
  - d) Translocation
90. Which of the following is a function of the phloem in plants?
- a) Water transport
  - b) Nutrient storage
  - c) Food transport
  - d) Mechanical support
91. What is the specialized region of a stem where leaves are attached?
- a) Node
  - b) Internode
  - c) Axil
  - d) Apical meristem
92. Which element is essential for all organic compounds?



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- a) Hydrogen  
b)  Carbon  
c) Oxygen  
d) Nitrogen
93. What is the chemical symbol for gold?  
a) Au  
b) Ag  
c)  Fe  
d) Hg
94. What is the pH range for acidic solutions?  
a) 0-3  
b)  4-7  
c) 8-14  
d) 7-10
95. Which gas is responsible for the greenhouse effect on Earth?  
a)  Oxygen  
b) Nitrogen  
c) Carbon dioxide  
d) Methane
96. What is the process of conversion of a liquid into vapor at its boiling point?  
a) Condensation  
b) Evaporation  
c)  Sublimation  
d) Solidification
97. Which organ is responsible for filtering and removing waste products from the blood?  
a) Liver  
b)  Kidney  
c) Heart  
d) Lungs
98. The respiratory system is responsible for the exchange of gases. Which gas is primarily taken in during inhalation?  
a) Carbon dioxide  
b)  Nitrogen  
c) Oxygen  
d) Hydrogen
99. The human brain is divided into how many main parts?  
a) Two  
b) Three  
c) Four  
d)  Five
100. What is the main function of the digestive system?  
a) Pump blood  
b) Break down and absorb nutrients  
c)  Filter waste from the blood  
d) Exchange gases



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The following is the list of students are selected for the Avanthi Freeships and Merit Scholarship Policy test. Based on the merit of the test results fee concession is given to the following students

#### FREESHIP TEST MARKS

S. No	Freeship No	Student Name	Marks
1.	19AFTP0002	Anguluru Jyothirmai	58
2.	19AFTP0003	Arava Naveen	54
3.	19AFTP0005	Bandaru Rama Kala	72
4.	19AFTP0006	Bankapalli Sai Rajitha	51
5.	19AFTP0007	Behara Durga Sampath Bhavana	52
6.	19AFTP0009	Bodapati Kaveri	56
7.	19AFTP0016	Botta Mamatha	39
8.	19AFTP0017	Buddala Kasturi	48
9.	19AFTP0021	Chinta Kiranmayi	50
10.	19AFTP0023	Doddi Shanmukha Rithika	52
11.	19AFTP0024	Donthala Kusuma	69
12.	19AFTP0029	Gajjala Sreekanth	49
13.	19AFTP0030	Gajjala Adi Narayana	52
14.	19AFTP0031	Gorrela Raju	32
15.	19AFTP0036	Jagannadha Durga Devi	58
16.	19AFTP0040	Katta Avinash	49
17.	19AFTP0042	Kedarisetty Pavithra	48
18.	19AFTP0043	Kollu Vecramanikantha	50
19.	19AFTP0047	Kondala Roja Ramani	66
20.	19AFTP0049	Kotamahanthi Sujatha	56
21.	19AFTP0051	Kunthuri Umamahesh	48
22.	19AFTP0053	Lankalapalli Sai Bhuvaneshwari	53
23.	19AFTP0054	Lingampalli Satya Sri Hamsika	52
24.	19AFTP0058	Mamidi Sravani	48
25.	19AFTP0059	Mamidiseti Naina	49
26.	19AFTP0069	Nammi Padma	48
27.	19AFTP0073	Pasupuleti Bhanuprakash	55
28.	19AFTP0077	Potluru Srilekha	64

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29.	19AFTP0079	Rajana Dilip Kumar	62
30.	19AFTP0081	Ratnala Bhargavi	64
31.	19AFTP0083	Saka Sesanka	48
32.	19AFTP0091	Tadi Abhishek	46
33.	19AFTP0092	Tapa Poojitha	69
34.	19AFTP0095	Thamatapu Aravind	62
35.	19AFTP0097	Vankayalapati Sai Sravani	49
36.	19AFTP00A1	Paspureddy Swarna Latha	42
37.	19AFTP00A2	Koyya Roshini	41
38.	19AFTP00A3	Simhadri Gnanaprasanna	43
39.	19AFTP0005	Chappa Ramya	40
40.	19AFTP0006	Cherukuri Tanuja Lakshmi	42
41.	19AFTP0007	Chitikireddi Bhagya Sri	32
42.	19AFTP0008	Doll Glenda Annette	35
43.	19AFTP0015	Anwesh Deep Padhy	36
44.	19AFTP0024	Pilla Sai Sushmitha	38
45.	19AFTP0027	Karrothu Syamala	37
46.	19AFTP0001	Alugolu Venkata Siva	40
47.	19AFTP0012	Kelvin Paul Medapati	35
48.	19AFTP0010	Boddu Mary Mani	49
49.	19AFTP0037	Jami Thanuja	52
50.	19AFTP0071	Padala Sharon	36
51.	19AFTP0074	Patnaikuni Sai Jahnavi	48
52.	19AFTP0075	Peetala Mrudhula	48
53.	19AFTP0078	Puli Harsha Veena	49
54.	19AFTP0082	Reddi Bhavanthi	38
55.	19AFTP0085	Saripilli L S D K Vamsi Yadav	39
56.	19AFTP0087	Shivani Namburu	36
57.	19AFTP0090	Sunkara Anju Sree	38
58.	19AFTP0093	Telapalli Haritha	38
59.	19AFTP0094	Telikicherla Veenapani	42
60.	19AFTP0096	Toyaka Manisha	46
61.	19AFTP0018	Killo Ramakrishna	48

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62.	19AFTP0021	Vaddadi Madhuri Smith	45
63.	19AFTP0022	Vanapalli Sandhya Rani	49
64.	19AFTP0101	Adhikari Jyothsna	38
65.	19AFTP0102	Boddu Priyanka	45
66.	19AFTP0103	Kundala Spurthi	45
67.	19AFTP0104	Sanapathi Bindu Suneetha	43
68.	19AFTP00601	Kandi Dharani Kranthi	38
69.	19AFTP00602	Kudurella Sri Mounika	42
70.	19AFTP00603	Lankalapalli Harshasree	44
71.	19AFTP00604	Matta Ramalakshmi	55
72.	19AFTP00605	Palla Harika	53
73.	19AFTP00606	Polaki Mounika	59
74.	19AFTP00607	Reshmi Afreen	35
75.	19AFTP00608	Rohit Godia	42
76.	19AFTP00609	Sirasapalli Pavani	43
77.	19AFTP00610	Suvvari Santhoshi	45
78.	19AFTP00611	Vijmireddy Gowthami	48
79.	19AFTP00612	Vittat Navya	49
80.	19AFTP01101	Bagadhi Santhoshi Kumari	39
81.	19AFTP01102	Bogapurapu Gayatri	55
82.	19AFTP01103	Chukka Chandrakala	48
83.	19AFTP01104	Kolli Bhanu Kumari	49
84.	19AFTP01105	Madda Junnu	54
85.	19AFTP01106	Nemala Chandini	53
86.	19AFTP01107	O Narasimha	42
87.	19AFTP01108	Padala Srujana	48
88.	19AFTP01109	Patnala Venkata Satya Kumari	48
89.	19AFTP01110	Sabbavarapu Anuradha	46
90.	19AFTP01111	Somula Venkata Durga	47
91.	19AFTP01112	Yanda Purna Naga Vijaya Lakshmi	48



  
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Thagarapuvalasa

16-11-2019

From

The Principal

Avanthi Institute of Pharmaceutical Sciences

Cherukupalli (Village)

To

Chairperson

Governing Body (GB).

Avanthi Institute of Pharmaceutical Sciences

Cherukupalli (Village)

Dear Sir/Madam,

**Sub:** Request to sanction of Freeship Amount.

**Ref:** 1. Minutes of meeting of IAC held on 15-11-2019.

2. Avanthi Freeship & Merit Scholarship internal policy.

This is to inform you that Avanthi Institute of Pharmaceutical Sciences conducted an exam "Avanthi Freeship Test" on 20-09-2019 to the students who are willing to join in B Category seats of first year B.Pharm and Pharm.D programs for the academic year 2019-2020. Based on their performance in the test, they were awarded marks and eligibility for Freeships in accordance with the rules and regulations of Freeship internal policy. I enclose the list of 91 students who are qualified in the test for your reference. In this regard, I request you to please forward the students list to the GB for sanctioning the freeships amount for further proceedings.

The details are also enclosed for your consideration.

Thanking you

Yours faithfully



  
Principal

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2	19T51R0003	Arava Naveen	52000
3	19T51R0005	Bandaru Rama Kala	55000
4	19T51R0006	Bankapalli Sai Rajitha	51500
5	19T51R0007	Behara Durga Sampath Bhavana	51500
6	19T51R0009	Bodapati Kaveri	55000
7	19T51R0016	Botta Mamatha	35000
8	19T51R0017	Buddala Kasturi	49000
9	19T51R0021	Chinta Kiranmayi	51500
10	19T51R0023	Doddi Shanmukha Rithika	50000
11	19T51R0024	Donthala Kusuma	55000
12	19T51R0029	Gajjala Sreekanth	45000
13	19T51R0030	Gajjala Adi Narayana	50000
14	19T51R0031	Gorrela Raju	20000
15	19T51R0036	Jagannadha Durga Devi	55000
16	19T51R0040	Katta Avinash	40000
17	19T51R0042	Kedarisetty Pavithra	47100
18	19T51R0043	Kollu Veeramanikantha	48000
19	19T51R0047	Kondala Roja Ramani	52000
20	19T51R0049	Kotamahanthi Sujatha	50000
21	19T51R0051	Kunthuri Umamahesh	45000
22	19T51R0053	Lankalapalli Sai Bhuvanewari	55000
23	19T51R0054	Lingampalli Satya Sri Hamsika	54000
24	19T51R0058	Mamidi Sravani	45000
25	19T51R0059	Mamidiseti Naina	48500
26	19T51R0069	Nammi Padma	48000
27	19T51R0073	Pasupuleti Bhanuprakash	52500
28	19T51R0077	Potnuru Srilekha	52500
29	19T51R0079	Rajana Dilip Kumar	50000

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30	19T51R0081	Ratnala Bhargavi	50000
31	19T51R0083	Saka Sesanka	35000
32	19T51R0091	Tadi Abhishek	52000
33	19T51R0092	Tapa Poojitha	55000
34	19T51R0095	Thamatapu Aravind	51500
35	19T51R0097	Vankayalapati Sai Sravani	47000
36	19T51R00A1	Paspureddy Swarna Latha	35000
37	19T51R00A2	Koyya Roshini	35000
38	19T51R00A3	Simhadri Gnanaprasanna	45000
39	19T51T0005	Chappa Ramya	30000
40	19T51T0006	Cherukuri Tanuja Lakshmi	28000
41	19T51T0007	Chitikireddi Bhagya Sri	25000
42	19T51T0008	Doll Glenda Annette	25000
43	19T51T0015	Anwesh Deep Padhy	20000
44	19T51T0024	Pilla Sai Sushmitha	35000
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59	19T51R0094	Telikicherla Veenapani	38000
60	19T51R0096	Toyaka Manisha	35000
61	19T51T0018	Killo Ramakrishna	42000
62	19T51T0021	Vaddadi Madhuri Smith	38000

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67	19T51T0104	Sanapathi Bindu Suneetha	35000
68	19T51S0601	Kandi Dharani Kranthi	32000
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70	19T51S0603	Lankalapalli Harshasree	35000
71	19T51S0604	Matta Ramalakshmi	42000
72	19T51S0605	Palla Harika	38000
73	19T51S0606	Polaki Mounika	41000
74	19T51S0607	Reshmi Afreen	28000
75	19T51S0608	Rohit Godia	35000
76	19T51S0609	Sirasapalli Pavani	32000
77	19T51S0610	Suvvari Santhoshi	35000
78	19T51S0611	Vijmireddy Gowthami	32000
79	19T51S0612	Vittat Navya	38000
80	19T51S1101	Bagadhi Santhoshi Kumari	35000
81	19T51S1102	Bogapurapu Gayatri	42000
82	19T51S1103	Chukka Chandrakala	38000
83	19T51S1104	Kolli Bhanu Kumari	41000
84	19T51S1105	Madda Junnu	28000
85	19T51S1106	Nemala Chandini	35000
86	19T51S1107	O Narasimha	32000
87	19T51S1108	Padala Srujana	35000
88	19T51S1109	Patnala Venkata Satya Kumari	32000
89	19T51S1110	Sabbavarapu Anuradha	35000
90	19T51S1111	Somula Venkata Durga	32000
91	19T51S1112	Yanda Purna Naga Vijaya Lakshmi	32000
		Total	1766000



Principal

PRINCIPAL

Avanathi Institute of Pharmaceutical Sciences

Avanathi Institute of Pharmaceutical Sciences  
Cherukupally (Village), Bhogapuram Mandal  
Vizianagaram (Dist), - 531162



# AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, P.C.I, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK-Kakinada)  
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.

www.avanthipharma.ac.in, principal@avanthipharma.ac.in

Thagarapuvalasa

20-04-2019

From

The Institute Academic Committee.

Avanthi Institute of Pharmaceutical Sciences

Cherukupalli (Village)

To

The Governing body (GB)

Avanthi Institute of Pharmaceutical Sciences

Cherukupalli (Village)

Dear Sir,

**Sub:** Letter of request regarding sanction of Merit Scholarship amount to college budget

**Ref:** 1. Minutes of meeting of IAC held on 20-04-2019.


2. Avanthi Freeships & Merit Scholarship internal policy.

This is to request you please sanction amount of Rs. 214000/- (Two lakh fourteen thousand Rupees) for 54 students into the college budget for the academic year 2019-2020.

The details are also enclosed for your consideration.

Thanking you

Yours faithfully

  
PRINCIPAL  
Avanthi Institute of Pharmaceutical Sciences  
Cherukupally (V), Bhogapuram Mandal  
Vizianagaram Dt., - 531162



  
Chairman IAC





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ESTD : 2005

## List of Students awarded with Merit Scholarship Amount for the Academic Year 2019-2020

The following is the list of students are selected from Avanathi Freeship and Merit Scholarship Policy test. As from the merit scholarship Policy the academic toppers are selected and given the prize amount for first topper and second topper.

S. No	Branch	Year	Reg. No	Name	Merit	Amount
1	B. Pharm	IV	16T51R0011	Chapa Anusha	I	5000
2	B. Pharm	IV	16T51R0017	Gembali Sravanthi	II	3000
3	B. Pharm	IV	16T51R0026	Kammili Anjali	I	5000
4	B. Pharm	IV	16T51R0005	Bandekar Nandini	II	3000
5	B. Pharm	IV	16T51R0040	Majji Guna Sundari	I	5000
6	B. Pharm	IV	16T51R0060	Sanapala Moulika	II	3000
7	B. Pharm	IV	16T51R0066	Siripalli Bhargavi	I	5000
8	B. Pharm	IV	16T51R0076	Yedla Hemalatha	II	3000
9	B. Pharm	III	17T51R0009	Vudata Rachana	I	5000
10	B. Pharm	III	17T51R0016	Chokkakula Jyothi	II	3000
11	B. Pharm	III	17T51R0013	Bonu Priyanka	I	5000
12	B. Pharm	III	17T51R0035	Kola Srivalli	II	3000
13	B. Pharm	II	18T51R0005	Biddika Chandini	I	5000
14	B. Pharm	II	18T51R0040	Makireddy Kusuma	II	3000
15	B. Pharm	II	18T51R0070	Siraparapu Sridevi	I	5000
16	B. Pharm	II	18T51R0058	Pinninti Viswateja	II	3000
17	B. Pharm	II	18T51R0025	J Deepika Rao	I	5000
18	B. Pharm	II	18T51R0049	Nookala Venkata Lakshmi	II	3000
19	B. Pharm	II	18T51R0042	Marpu Durgabhavani	I	5000
20	B. Pharm	II	18T51R0067	Sagiraju Priyanka	II	3000
21	B. Pharm	II	18T51R0084	Yeddu Iswaryadevi	I	5000
22	B. Pharm	II	18T51R0032	Kimidi Niharika	II	3000
23	B. Pharm	II	18T51R0024	Guruvelli Tejaswi	I	5000
24	B. Pharm	II	18T51R0068	Sayyad Abdul Ruksana	II	3000
25	Pharm. D	V	15T51T0002	Anumanchipalli Venkata Alekhya	I	5000
26	Pharm. D	V	15T51T0015	Kuppili Prasanna Lakshmi	II	3000
27	Pharm. D	V	15T51T0008	Gavara Kusuma	I	5000
28	Pharm. D	V	15T51T0010	Kada Pinky	II	3000



ESTD : 2005

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29	Pharm. D	IV	16T51T0002	Asi Jaya Lakshmi	I	5000
30	Pharm. D	IV	16T51T0004	Bolem Omkar	II	3000
31	Pharm. D	IV	16T51T0012	Mattapalli Glory	I	5000
32	Pharm. D	IV	16T51T0019	Polaki Jyoshna	II	3000
33	Pharm. D	IV	16T51T0014	Nakka Hema Madhuri	II	3000
34	Pharm. D	III	17T51T0026	Mendemu Ratnajyothirmai	I	5000
35	Pharm. D	III	17T51T0015	Kolla Jagadeeswari	II	3000
36	Pharm. D	III	17T51T0007	Damodara Padmapriya	I	5000
37	Pharm. D	III	17T51T0005	Chandanapalli Sai Himabindu	II	3000
38	Pharm. D	II	18T51T0005	Bonala Jaya Radha Madhavi	I	5000
39	Pharm. D	II	18T51T0008	Doddi Anusha	II	3000
40	Pharm. D	II	18T51T0017	Nuka Himabindu	I	5000
41	Pharm. D	II	18T51T0015	Malla Jnaapika	II	3000
42	Pharm. D	II	18T51T0025	Vana Swathi Priya	I	5000
43	Pharm. D	II	18T51T0012	Lakhinana Krishna Priya	II	3000
44	Pharm. D	II	18T51T0022	Sagari Srinivasarao	I	5000
45	Pharm. D	II	18T51T0002	Bammidi Tushara	II	3000
46	Pharm. D	II	18T51T0006	Bonela Meghana	I	5000
47	M. Pharm	II	18T51S1606	Gasya Regena Angel	II	3000
48	M. Pharm	II	18T51S1603	Bolem Vema Lakshmi	II	3000
49	M. Pharm	II	18T51S0604	Satish Reddy Nadiminti	I	5000
50	M. Pharm	II	18T51S1609	Omuni Swathi	II	3000
51	M. Pharm	II	18T51S0317	Pediredla Lalitha	I	5000
52	M. Pharm	II	18T51S1605	Divya Garbhana	II	3000
53	M. Pharm	II	18T51S0602	Gatreddy Venila Priya	I	5000
54	M. Pharm	II	18T51S0603	P. Divya	II	3000
<b>Total</b>						214000



  
Principal

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