

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

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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 2022-2023

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	121		59-62
5	Free ship Students with sanctioned amount	121	2630800	63- 67
6	Merit scholarship students list with amount	60	238000	68- 71
	Total		2868800	



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



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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
- 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 SCHOLORSHIP INTERNAL POLICY and must attend the counseling 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 SCHOLORSHIP 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.

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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.

#### 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 1st 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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#### AVANTHI FREESHIPS QUALIFYING TEST

Depai	tment	Name: Pharmacy	Duration:180 min	Date:23-11-2022
Name	of the	Student:		
Avant	hi Free	eship No.:		
		Tick the correct option	for the following Multiple-	Choice Questions
1.	What	subatomic particle is resp	onsible for the chemical prop	perties of an element?
	a)	Proton		
	111111111	Electron		
		Neutron		
-	The second secon	Positron		
2.			by the sharing of electrons be	tween two nonmetals?
		Ionic Covalent		
		Metallic		
	-	Polar		
3	-		table would you find the alka	li metals?
7.		Group 1	and the and and and and and	ill lifetill.
		Group 2		
		Group 17		
	d)	Group 18		
4.			r boil at standard atmospheric	e pressure?
		0°C		
		100°C		
	-	-273°C		
_		373 K		
Э.			equation for the reaction bety	veen hydrogen and oxygen to
	form v	$H2 + O2 \rightarrow H2O$		
		$2II2 + O2 \rightarrow H2O$ $2II2 + O2 \rightarrow 2II2O$		
		$H2O \rightarrow H2 + O2$		
		$2H2O \rightarrow 2H2 + O2$		
6.		of the following is a stro	ong acid?	
1000		Acetic acid (CH3COOH		
		Hydrochloric acid (HCl		
		Citric acid (C6H8O7)		
	d)	Carbonic acid (H2CO3)		
7.	What	does the rate of a chemica	al reaction depend on?	
		Temperature only		
		Concentration of reactar		
		Both temperature and co	oncentration of reactants	
	d)	Pressure only		

8. Which functional group is present in aldehydes but not in ketones?

a) Carbonyl

b) Hydroxyl

c) Carboxyl

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- d) Amine
- 9. Enthalpy is a measure of a system's:
  - a) Heat content
  - b) Volume
  - c) Pressure
  - d) Entropy
- 10. What particle is emitted during beta decay?
  - a) Electron
  - b) Proton
  - c) Neutron
  - d) Positron
- 11. What is the SI unit of force?
  - a) Joule
  - b) Newton
  - c) Watt
  - d) Pascal
- 12. In which medium do sound waves travel the fastest?
  - a) Air
  - b) Water
  - c) Steel
  - d) Vacuum
- 13. What type of lens converges light rays to a single point?
  - a) Concave
  - b) Convex
  - c) Diverging
  - d) Plano-concave
- 14. Which material is a good conductor of electricity?
  - a) Rubber
  - b) Glass
  - c) Copper
  - d) Wood
- 15. 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
- 16. 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
- 17. Which particle has a positive charge?
  - a) Proton
  - b) Neutron
  - c) Electron
  - d) Photon
- 18. What phenomenon is explained by Einstein's theory of relativity?
  - a) Photoelectric effect
  - b) Doppler effect
  - c) Newton's laws of motion

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- d) Archimedes' principle
- 19. What is the principle behind a hydraulic lift?
  - a) Pascal's principle
  - b) Bernoulli's principle
  - c) Archimedes' principle
  - d) Boyle's law
- 20. 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
- 21. What is the unit of measurement for electrical potential difference?
  - a) Volts
  - b) Newtons
  - c) Joules
  - d) Amperes
- 22. 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
- 23. 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
- 24. What is the main function of DNA in living organisms?
  - a) Energy storage
  - b) Enzyme production
  - c) Genetic information storage
  - d) Protein synthesis
- 25. What is the basic unit of the nervous system responsible for transmitting signals?
  - a) Neuron
  - b) Nephron
  - c) Neutrino
  - d) Nucleon
- 26. 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
- 27. What is the primary effect of ionizing radiation on living cells?
  - a) Cell division
  - b) Cell mutation
  - c) Cell dehydration
  - d) Cell enlargement
- 28. What is the principle behind gel electrophoresis, a technique used in genetic research?
  - a) Magnetic force
  - b) Centrifugal force

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- c) Electric field
- d) Gravitational force
- 29. Which of the following organs is primarily responsible for regulating blood pressure?
  - a) Liver
  - b) Kidneys
  - c) Heart
  - d) Lungs
- 30. 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)
- 31. Which of the following is a characteristic of arachnids?
  - a) Three pairs of legs
  - b) Antennae
  - c) Four pairs of legs
  - d) Soft body
- 32. In vertebrates, what structure is responsible for oxygen exchange in the lungs?
  - a) Bronchi
  - b) Alveoli
  - c) Trachea
  - d) Diaphragm
- 33. Which phylum includes animals with radial symmetry and stinging cells?
  - a) Mollusca
  - b) Porifera
  - c) Cnidaria
  - d) Annelida
- 34. 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
- 35. In Mendelian genetics, which of the following is a homozygous genotype?
  - a) Aa
  - b) Bb
  - c) AA
  - d) AB
- 36. 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
- 37. What is the primary function of the antennae in insects?
  - a) Locomotion
  - b) Sensory perception
  - c) Reproduction

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- d) Defense
- 38. 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
- 39. 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
- 40. 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)
- 41. Which organelle is responsible for energy production in a eukaryotic cell?
  - a) Golgi apparatus
  - b) Endoplasmic reticulum
  - c) Mitochondrion
  - d) Nucleus
- 42. What is the term for alternative forms of a gene at a specific locus?
  - a) Allele
  - b) Chromatid
  - c) Homolog
  - d) Zygote
- 43. What type of microorganism is responsible for fermentation in the production of bread and beer?
  - a) Bacteria
  - b) Fungi
  - c) Virus
  - d) Algae
- 44. 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
- 45. What is the primary function of the stomata in plant leaves?
  - a) Photosynthesis
  - b) Transpiration
  - c) Respiration
  - d) Absorption
- 46. Which cells are responsible for the specific immune response and the production of antibodies?
  - a) T cells
  - b) B cells

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- c) Natural killer cells
- d) Macrophages
- 47. What is the function of hemoglobin in red blood cells?
  - a) Oxygen transport
  - b) Nutrient absorption
  - c) Waste elimination
  - d) Enzyme production
- 48. Which level of ecological organization involves the interactions between different species in a specific area?
  - a) Population
  - b) Community
  - c) Ecosystem
  - d) Biosphere
- 49. What is the purpose of polymerase chain reaction (PCR) in molecular biology?
  - a) DNA sequencing
  - b) DNA replication
  - c) Gene cloning
  - d) Protein synthesis
- 50. Which part of the brain is responsible for coordinating voluntary muscle movements and maintaining balance?
  - a) Cerebrum
  - b) Cerebellum
  - c) Medulla oblongata
  - d) Thalamus
- 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
  - c) Hybrid sterility
  - d) Genetic mutations in hybrids

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- 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
  - c) Jointed appendages
  - d) Internal skeletons

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- 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
- 74. Which of the following is a biotic factor in an ecosystem?
  - a) Temperature

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- 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 element is essential for all organic compounds?
  - a) Hydrogen
  - b) Carbon
  - c) Oxygen
  - d) Nitrogen
- 82. What is the chemical symbol for gold?
  - a) Au
  - b) Ag
  - c) Fe
  - d) Hg
- 83. What is the pH range for acidic solutions?
  - a) 0-3
  - b) 4-7
  - c) 8-14
  - d) 7-10
- 84. Which gas is responsible for the greenhouse effect on Earth?
  - a) Oxygen

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- b) Nitrogen
- c) Carbon dioxide
- d) Methane
- 85. What is the process of conversion of a liquid into vapor at its boiling point?
  - a) Condensation
  - b) Evaporation
  - c) Sublimation
  - d) Solidification
- 86. Which organ is responsible for filtering and removing waste products from the blood?
  - a) Liver
  - b) Kidney
  - c) Heart
  - d) Lungs
- 87. 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
- 88. The human brain is divided into how many main parts?
  - a) Two
  - b) Three
  - c) Four
  - d) Five
- 89. 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
- 90. Which hormone is responsible for regulating blood sugar levels in the body?
  - a) Insulin
  - b) Thyroxine
  - c) Estrogen
  - d) Testosterone
- 91. Which of the following is a primary function of leaves in plants?
  - a) Photosynthesis
  - b) Water absorption
  - c) Root anchorage
  - d) Reproduction
- 92. 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
- 93. Which plant hormone is responsible for promoting cell elongation and growth, especially in the stems?
  - a) Gibberellin
  - b) Auxin
  - c) Cytokinin

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- d) Abscisic acid
- 94. In plant reproduction, what is the male gamete called?
  - a) Ovule
  - b) Pollen
  - c) Seed
  - d) Embryo
- 95. The outermost layer of a plant root that absorbs water and nutrients is called:
  - a) Cortex
  - b) Epidermis
  - c) Xylem
  - d) Phloem
- 96. Which part of a flower develops into a fruit after fertilization?
  - a) Stamen
  - b) Pistil
  - c) Petal
  - d) Sepal
- 97. 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
- 98. Which process involves the fusion of male and female gametes to form a zygote in plants?
  - a) Germination
  - b) Fertilization
  - c) Pollination
  - d) Translocation
- 99. Which of the following is a function of the phloem in plants?
  - a) Water transport
  - b) Nutrient storage
  - c) Food transport
  - d) Mechanical support
- 100. What is the specialized region of a stem where leaves are attached?
  - a) Node
  - b) Internode
  - c) Axil
  - d) Apical meristem

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d) Pressure only

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#### AVANTHI FREESHIPS QUALIFYING TEST

Department Name: Pharmacy	Date: 23-11-2022
Name of the Student: ENTURY NIHARIHA	(73)
Avanthi Freeship No.: 22AFTP35	(100)
Duration:180 min	Total Marks:100
Tick the correct option for the following Multiple-Choi	
1. What subatomic particle is responsible for the chemical properties of	an element?
a) Proton	
Electron c) Neutron	
d) Positron	
2. Which type of bond is formed by the sharing of electrons between two	nonmatala?
a) Ionic	) Hollificials!
b) Covalent	
c) Metallic	
A Polar	
3. In which group of the periodic table would you find the alkali metals?	
a) Group 1	
b) Group 2	
c) Group 17	9
d) Group 18	
4. At what temperature does water boil at standard atmospheric pressure	?
a) 0°C b) 100°C	
c) -273°C	
d) 373 K	
5. What is the balanced chemical equation for the reaction between hydro	ogen and oxygen to form
water?	and oxygen to form
a) $H2 + O2 \rightarrow H2O$	
b) 2H2 + O2 → 2H2O	
$H2O \rightarrow H2 + O2$	
d) $2H2O \rightarrow 2H2 + O2$	/
6. Which of the following is a strong acid?	
a) Acetic acid (CH3COOH)	
b) Hydrochloric acid (HCl)  (Citric acid (C6H8O7)	
d) Carbonic acid (H2CO3)	
7. What does the rate of a chemical reaction depend on?	
a) Temperature only	
b) Concentration of reactants only	ton-
Both temperature and concentration of receivents	PRINCTPAL

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8. Which functional group is present in aldehydes but not in ketones?  a) Carbonyl b) Hydroxyl c) Carboxyl d) Amine  9. Enthalpy is a measure of a system's: a) Heat content b) Volume c) Pressure d) Entropy  10. What particle is emitted during beta decay? a) Electron b) Proton e) Neutron d) Positron  11. What is the SI unit of force? a) Joule b) Newton	
c) Carboxyl d) Amine  9. Enthalpy is a measure of a system's:  a) Heat content b) Volume c) Pressure d) Entropy  10. What particle is emitted during beta decay? a) Electron b) Proton e) Neutron d) Positron  11. What is the SI unit of force? a) Joule b) Newton	
d) Amine  9. Enthalpy is a measure of a system's:  a) Heat content  b) Volume  c) Pressure  d) Entropy  10. What particle is emitted during beta decay?  a) Electron  b) Proton  c) Neutron d) Positron  11. What is the SI unit of force?  a) Joule  b) Newton	
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b) Volume c) Pressure d) Entropy  10. What particle is emitted during beta decay? a) Electron b) Proton e) Neutron d) Positron  11. What is the SI unit of force? a) Joule b) Newton	
c) Pressure d) Entropy  10. What particle is emitted during beta decay?  a) Electron b) Proton  Neutron d) Positron  11. What is the SI unit of force?  a) Joule b) Newton	
d) Entropy  10. What particle is emitted during beta decay?  a) Electron b) Proton A) Neutron d) Positron  11. What is the SI unit of force? a) Joule b) Newton	
10. What particle is emitted during beta decay?  a) Electron b) Proton e) Neutron d) Positron  11. What is the SI unit of force? a) Joule b) Newton	
a) Electron b) Proton e) Neutron d) Positron  11. What is the SI unit of force? a) Joule b) Newton	
b) Proton e) Neutron d) Positron 11. What is the SI unit of force? a) Joule b) Newton	
Neutron d) Positron 11. What is the SI unit of force? a) Joule b) Newton	
d) Positron  11. What is the SI unit of force?  a) Joule  b) Newton	
11. What is the SI unit of force?  a) Joule  b) Newton	
a) Joule b) Newton	
by Newton	
c) Watt.	
d) Pascal	
12. In which medium do sound waves travel the fastest?	
Air	
b) Water	
c) Steel	
d) Vacuum	
13. What type of lens converges light rays to a single point?	
a) Concave	
b) Convex c) Diverging	
o) Brokeng	
d) Plano-concave	
14. Which material is a good conductor of electricity?	
a) Rubber	
b) Glass	
Copper Copper	
d) Wood	
15. What happens to the magnetic field when you break a bar magnet in half?	
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	
16. What is the first law of thermodynamics also known as?	
Law of Conservation of Energy	
b) Boyle's Law	
c) Charles's Law	
d) Avogadro's Law	
7. Which particle has a positive charge?	
a) Proton PRINCIPAL	
b) Neutron Avanthi Institute of Pharmaceu	itical Science

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- c) Electron
- d) Photon
- 18. What phenomenon is explained by Einstein's theory of relativity?
  - a) Photoelectric effect
  - b) Doppler effect
  - Newton's laws of motion
  - d) Archimedes' principle
- 19. What is the principle behind a hydraulic lift?
  - a) Pascal's principle
  - b) Bernoulli's principle
  - c) Archimedes' principle
  - d) Boyle's law
- 20. 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
  - Weak nuclear force
- 21. What is the unit of measurement for electrical potential difference?
  - (a) Volts
    - b) Newtons
    - c) Joules
    - d) Amperes
- 22. 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
- 23. 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
- 24. What is the main function of DNA in living organisms?
  - a) Energy storage
  - b) Enzyme production
    - c) Genetic information storage
    - d) Protein synthesis
- 25. What is the basic unit of the nervous system responsible for transmitting signals?
  - a) Neuron
  - b) Nephron
  - c) Neutrino
  - d) Nucleon
- 26. 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

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27. What is the primary effect of ionizing radiation on living cells?
a) Cell division
by Cell mutation
c) Cell dehydration
d) Cell enlargement
28. What is the principle behind gel electrophoresis, a technique used in genetic research?
a) Wagnetic force
b) Centrifugal force
Electric field
d) Gravitational force
29. Which of the following organs is primarily responsible for regulating blood pressure?
a) Liver
b) Kidneys
C) Heart
d) Lungs
30. 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
et MRI (Magnetic Resonance Imaging)
d) PET scan (Positron Emission Tomography)
31. Which of the following is a characteristic of arachnids?
a) Three pairs of legs
Antennae
c) Four pairs of legs
d) Soft body
32. In vertebrates, what structure is responsible for oxygen exchange in the lungs?
Bronchi
b) Alveoli
c) Trachea
d) Diaphragm
33. Which phylum includes animals with radial symmetry and stinging cells?
a) Mollusca
b) Porifera
Cnidaria
d) Annelida
34. 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
Fixed action pattern
35. In Mendelian genetics, which of the C. H.
35. In Mendelian genetics, which of the following is a homozygous genotype?
1) =:
Sacrifica .
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36. Which gland is often referred to as the "master gland" because it regulates other endocrine glands?
a) Thyroid gland
b) Adrenal gland
c) Pancreas
Pituitary gland
37. What is the primary function of the antennae in insects?
a) Locomotion
b) Sensory perception
c) Reproduction
d) Defense
38. 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
<ul><li>39. In mammals, what is the name of the fertilized egg before it implants into the uterine wall?</li><li>a) Blastula</li></ul>
b) Morula
c) Zygote
d) Blastocyst
40. 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)
41 Which organelle is responsible for energy production in a culturation all?
41. Which organelle is responsible for energy production in a eukaryotic cell?  a) Golgi apparatus
b) Endoplasmic reticulum
et Mitochandrian
d) Nucleus
42. What is the term for alternative forms of a gene at a specific locus?
Allele
b) Chromatid
c) Homolog
d) Zygote
43. What type of microorganism is responsible for fermentation in the production of bread and beer?
a) Bacteria
b) Fungi
c) Virus
d) Algae
44. The axial skeleton includes which of the following?
a) Arms and legs
Skull and vertebral column c) Pelvis and ribs  PRINCIPAL
c) Pelvis and ribs  PRINCIPAL  Avanthi Institute of Discourse tile 1.0 to 1.0 t
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D: 2005	
d) Hands and	feet
	y function of the stomata in plant leaves?
a) Photosynth	esis
(b) Transpiration	on
c) Respiration	
d) Absorption	
46. Which cells are res	ponsible for the specific immune response and the production of antibodies?
a) 1 cells	
by B cells	
c) Natural kill	
d) Macrophage	
4/. What is the functio	n of hemoglobin in red blood cells?
a) Oxygen tran	
b) Nutrient abs	
c) Waste elimi	
Enzyme pro	duction
specific area?	ogical organization involves the interactions between different species in a
a) Population	
b) Community	
c) Ecosystem	
d) Biosphere	
	of polymerase chain reaction (PCR) in molecular biology?
a) DNA sequen	ncing
b) DNA replica	
Gene clonin	
d) Protein synt	
50. Which part of the bi	rain is responsible for coordinating voluntary muscle movements and maintaining
balance?	
a) Cerebrum	
b) Cerebellum	
c) Medulla oblo	ongata
d) Thalamus	
51. In which plant tissue	e does photosynthesis primarily occur?
a) Epidermis	
b) Xylem	
c) Phloem	
d) Mesophyll	
2. What is the primary	function of the stomata in plant leaves?
a) Photosynthes	
(b) Transpiration	
c) Respiration	
d) Absorption	
o) Fam.	ng is a non-vascular plant?
a) Fern	
b) Moss c) Pine	E OF PHARMACE,
1000	
d) Orchid	PRINCIPAL

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54. Which term refers to plants that complete their life cycle in a single growing season?

(a) Annuals	, and a sample growing season.
b) Perennials	
c) Biennials	
d) Shrubs	
55. In plant breeding, what is hybrid vigor or hete	erosis?
a) Weakness in hybrid plants	
b) Superior qualities in hybrid plants	
c) Hybrid sterility	
d) Genetic mutations in hybrids	i e
56. Which plant hormone is responsible for prom	oting cell elongation and influencing phototropism?
a) Gibberellins	oung con crongation and influencing photogropism.
(b) Auxins	
c) Cytokinins	
d) Abscisic acid	
57. What type of organism causes Dutch Elm Dis	ease, a common plant disease affecting elm trees?
a) Bacteria	subst, a common plant disease affecting can dees:
b) Fungi	
Virus	
d) Nematodes	
58. What is the main function of mycorrhizae in p	lant 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?	1 water and
a) Cortex	
b) Endodermis	
(e) 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 nutr	ients primarily absorbed into the bloodstream?
a) Stomach	
(b) Small intestine	
c) Large intestine	
d) Liver	
52. What is the term for the innate behavior exhibit	fed by animals in response to environmental cues?
a) Instinct	*
b) Learning	
c) Conditioning	
d) Habituation	
3. Which class do humans belong to in the classif	carion of vertebrates?
a) Amphibia	PRINCIPAL
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c) Lysosome

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b) Mammalia
c) Aves
d) Reptilia
64. What is the primary characteristic of arthropods?
a) Soft bodies
b) Radial symmetry
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
by 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
(e) 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) Endonlasmic raticulum
c) Lysosome PRINCIPAL



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d) Peroxisome	
73. The process by which gre	en plants convert light energy into chemical energy is called:

- a) Glycolysis
  - b) Osmosis
  - Photosynthesis
  - d) Fermentation
- 74. Which of the following is a biotic factor in an ecosystem?
  - a) Temperature
  - b) Water availability
  - 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?
  - 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 element is essential for all organic compounds?
  - a) Hydrogen
  - (b) Carbon
    - c) Oxygen
  - d) Nitrogen
- 82. What is the chemical symbol for gold?

a) Au



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b) Water absorption c) Root anchorage

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b) Ag
c) Fe
d) Hg
83. What is the pH range for acidic solutions?
ar 0-3
b) 4-7
c) .8-14
d) 7-10
84. Which gas is responsible for the greenhouse effect on Earth?
a) Oxygen
b) Nitrogen
Carbon dioxide
d) Methane
85. What is the process of conversion of a liquid into vapor at its boiling point?
od) Condensation
b) Evaporation
c) Sublimation
d) Solidification
86. Which organ is responsible for filtering and removing waste products from the blood?
b) Kidney
c) Heart
d) Lungs
87. The respiratory system is responsible for the exchange of gases. Which gas is primarily taken in during inhalation?
8
a) Carbon dioxide
b) Nitrogen
Oxygen
d) Hydrogen
88. The human brain is divided into how many main parts?  a) Two
b) Three
Four
d) Five
89. What is the main function of the digestive system?
a) Pump blood
Break down and absorb nutrients
c) Filter waste from the blood
d) Exchange gases
90. Which hormone is responsible for regulating blood sugar levels in the body?
a) Insulin
b) Thyroxine
Estrogen
d) Testosterone
91. Which of the following is a primary function of leaves in plants?
Photosynthesis

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d) Reprod	luction
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- 92. 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
- 93. Which plant hormone is responsible for promoting cell elongation and growth, especially in the stems?
  - a) Gibberellin
  - b) Auxin
  - c) Cytokinin
  - d) Abscisic acid
- 94. In plant reproduction, what is the male gamete called?
  - a) Ovule
  - b) Pollen
    - c) Seed
    - d) Embryo
- 95. The outermost layer of a plant root that absorbs water and nutrients is called:
  - a) Cortex
  - b) Epidermis
    - c) Xylem
  - d) Phloem
- 96. Which part of a flower develops into a fruit after fertilization?
  - a) Stamen
  - b) Pistil
  - Petal
  - d) Sepal
- 97. What is the term for the opening and closing of stomata in plant leaves to regulate gas exchange?
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  - b) Transpiration
  - c) Phototropism
  - · d) Guard cell movement
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  - b) Fertilization
    - c) Pollination
    - d) Translocation
- 99. Which of the following is a function of the phloem in plants?
  - a) Water transport
  - b) Nutrient storage
  - Food transport
    - d) Mechanical support
- 100. What is the specialized region of a stem where leaves are attached?
  - a) Node
  - b) Internode
  - e Axil
  - d) Apical meristem



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#### AVANTHI FREESHIPS QUALIFYING TEST

Department Name: Pharmacy	Date: 23-11-2022
Name of the Student: K, kee 21thi	(17)
Avanthi Freeship No.: 22 AFTP15	100
Duration:180 min	Total Marks: 100
Tick the correct option for the following Multiple-	
1. What subatomic particle is responsible for the chemical properties	es of an element?
a) Proton	
by Electron	
c) Neutron	
d) Positron	
2. Which type of bond is formed by the sharing of electrons betwee	n two nonmetals?
a) Ionic b) Covalent	
c) Metallic	
d) Polar	
3. In which group of the periodic table would you find the alkali me	etals?
Group 1	stato.
b) Group 2	
c) Group 17	
d) Group 18	
4. At what temperature does water boil at standard atmospheric pres	ssure?
a) 0°C	
₩ 100°C	
c) -273°C d) 373 K	
5. What is the balanced chemical equation for the reaction between	h
water?	nydrogen and oxygen to form
a) $H2 + O2 \rightarrow H2O$	
b) 2H2 + O2 → 2H2O	
(c) H2O → H2 + O2	
d) $2H2O \rightarrow 2H2 + O2$	
6. Which of the following is a strong acid?	
a) Acetic acid (CH3COOH)	
Hydrochloric acid (HCl)	
c) Citric acid (C6H8O7)	
d) Carbonic acid (H2CO3)	
<ul><li>7. What does the rate of a chemical reaction depend on?</li><li>a) Temperature only</li></ul>	
Concentration of reactants only	8
c) Both temperature and concentration of reactants	



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8. Which functional group is		
Carbonyl	present in aldehydes but not in keto	nes?
b) Hydroxyl		
c) Carboxyl		
d) Amine		
9. Enthalpy is a measure of a	System Is.	
A) Heat content	system's.	- ( )
b) Volume		
c) Pressure		
d) Entropy		
10. What particle is emitted dur	ing heta decay?	
(a) Electron	mg beta decay?	
b) Proton		
c) Neutron		
d) Positron		
11. What is the SI unit of force?		
a) Joule		
by Newton		
c) Watt		
d) Pascal		
12. In which medium do sound v	vaves travel the fastest?	
a) Air		4
b) Water		
c) Steel		
Vacuum		
13. What type of lens converges	light rays to a single point?	
a) Concave	•	
b) Convex		
c) Diverging		
d) Plano-concave	<b>₽</b> 00 00 00 00 00	
14. Which material is a good cond	luctor of electricity?	
<ul><li>a) Rubber</li><li>b) Glass</li></ul>	*	
et Copper		
d) Wood		
	£ 11 1	
a) Both pieces become ne	field when you break a bar magnet	in half?
One piece becomes a p	w magnets	
c) Both pieces lose magne	nagnet, the other loses magnetism	
d) The magnetic field rem	gine the same	
16. What is the first law of thermo	dynamics also become	
Law of Conservation o	Feneral	
b) Boyle's Law	Energy	
c) Charles's Law		
d) Avogadro's Law		
17. Which particle has a positive cl	narge?	
Proton	OF PHARMAN	1.
b) Neutron	CONCATION OF THE PROPERTY OF T	TWO IDA
nn - 5000 - 50 10 - 50 10 - 50 10 - 50 10 10 10 10 10 10 10 10 10 10 10 10 10		PRINCIPAL
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- c) Electron
- d) Photon
- 18. What phenomenon is explained by Einstein's theory of relativity?
  - Photoelectric effect
    - b) Doppler effect
    - c) Newton's laws of motion
    - d) Archimedes' principle
- 19. What is the principle behind a hydraulic lift?
  - Pascal's principle
    - b) Bernoulli's principle
    - c) Archimedes' principle
    - d) Boyle's law
- 20. What is the force that tends to pull all objects with mass toward one another?
  - a) Electromagnetic force
  - by Gravitational force
  - c) Strong nuclear force
  - d) Weak nuclear force
- 21. What is the unit of measurement for electrical potential difference?
  - Wolts
  - b) Newtons
  - c) Joules
  - d) Amperes
- 22. 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
- 23. 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
- 24. What is the main function of DNA in living organisms?
  - a) Energy storage
  - b) Enzyme production
  - Genetic information storage
    - d) Protein synthesis
- 25. What is the basic unit of the nervous system responsible for transmitting signals?
  - a) Neuron
  - b) Nephron
  - Neutrino
    - d) Nucleon
- 26. 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

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27 100
27. What is the primary effect of ionizing radiation on living cells?
a) Cell division
b) Cell mutation
c) Cell dehydration
d) Cell enlargement
28. What is the principle behind gel electrophoresis, a technique used in genetic research?  a) Magnetic force
b) Centrifugal force
Electric field
d) Gravitational force
29. Which of the following organs is primarily responsible for regulating blood pressure? a) Liver
/
b) Kidneys
c) Heart
d) Lungs
30. What imaging technique uses magnetic fields and radio ways to
30. 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
MRI (Magnetic Resonance Imaging)
d) PET scan (Positron Emission Tomography)
31. Which of the following is a characteristic of arachnids?
a) Three pairs of legs
b) Antennae
Four pairs of legs
d) Soft body
32. In vertebrates what structure is reconnected to
32. In vertebrates, what structure is responsible for oxygen exchange in the lungs? a) Bronchi
b) Alveoli
c) Trachea
d) Diaphragm
33 Which phylum includes and the same and th
<ul><li>33. Which phylum includes animals with radial symmetry and stinging cells?</li><li>a) Mollusca</li></ul>
b) Porifera
Cnidaria
d) Annelida
34. What is the scientific term for an instinctive, stereotypical behavior pattern displayed by animals in response to specific stimuli?
,
b) Conditioning
Reflex
d) Fixed action pattern
35. In Mendelian genetics, which of the following is a homozygous genotype?
a) 11a
b) Bb
Let AA
d) AB
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36. Which gland is often referred to as the "master gland" because it regulates other endocrine glands?
a) Thyroid gland
b) Adrenal gland
c) Pancreas
A) Pituitary gland
37. What is the primary function of the antennae in insects?
a) Locomotion .
Sensory perception
c) Reproduction
d) Defense
38. Which level of ecological organization includes all living organisms in a particular area along with
their physical environment?
a) Population
b) Community
Let Ecosystem
d) Biosphere
39. In mammals, what is the name of the fertilized egg before it implants into the uterine wall?
a) Blastula
b) Morula
c) Zygote
Blastocyst
40. 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)
41. Which organelle is responsible for energy production in a eukaryotic cell?
a) Golgi apparatus
b) Endoplasmic reticulum
Mitochondrion
d) Nucleus
12 WI 4 1 1 1 6 1 1 1 1 6 1 1 1 1 6 1 1 1 1 1
42. What is the term for alternative forms of a gene at a specific locus?
A) Allele
b) Chromatid
c) Homolog
d) Zygote
43. 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 as human (Septiment)
b) Skull and vertebral column
Pelvis and ribs  Avanthi Institute of Pharmaceutical Sciences
- Blow and B



c) Pine d) Orchid

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d) Hands and	
45. What is the primary	function of the stomata in plant leaves?
a) Photosynthe	esis
b) Transpiration	
c) Respiration	
d) Absorption	
46. Which cells are resi	consible for the specific immune
a) T cells	consible for the specific immune response and the production of antibodies?
b) B cells	
c) Natural kille	rcells
d) Macrophage	
47. What is the function	of hemoglobin in red blood cells?
a) Oxygen tran	Sport
b) Nutrient abs	protion
c) Waste elimin	ation
d) Enzyme proc	luction
48. Which level of ecolo	ogical organization involves the interactions between different species in a
specific area?	grant organization involves the interactions between different species in a
a) Population	
b) Community	
c) Ecosystem	
d) Biosphere	
49. What is the purpose	of polymerase chain reaction (PCR) in molecular biology?
a) Divis Sequent	3112
b) DNA replicat	ion
c) Gene cloning	
d) Protein synthe	esis
50. Which part of the bra	in is responsible for coordinating voluntary muscle movements and maintaining
	voluntary muscle movements and maintaining
a) Cerebrum	
(Lerebellum	
<ul> <li>c) Medulla oblor</li> </ul>	gata
d) Thalamus	
51. In which plant tissue	loes photosynthesis primarily occur?
a) Epidermis	
b) Xylem	
c) Phloem	
Mesophyll	
52. What is the primary fu	nction of the stomata in plant leaves?
a) Filotosynthesis	
b) Transpiration	
c) Respiration	
d) Absorption	
53. Which of the following	; is a non-vascular plant?
a) Fern	
b) Moss	

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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
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
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
Epidermis Epidermis
d) Pericycle
60. Which plant is the source of the drug aspirin?
a) Willow
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  PRINCIPAL
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Mammalia
c) Aves
d) Reptilia
64. What is the primary characteristic of arthropods?
a) Soft bodies
b) Radial symmetry
Jointed appendages
d) Internal skeletons
65. In vertebrates, which chamber of the heart pumps oxygenated blood to the rest of the body?
Left atrium
b) Left ventricle
c) Right atrium
d) Right ventricle
66. Which scientist is known for his studies on animal L. I.
66. Which scientist is known for his studies on animal behavior, particularly imprinting in birds? a) Jane Goodall
Konrad Lorenz
c) Nikolaas Tinbergen
d) Dian Fossey
67 In a dihybrid cross have many 1/cc
67. In a dihybrid cross, how many different combinations of alleles can be produced in the offspring?
b) 4
d) 16
68. Which of the following insects undergoes complete metamorphosis?  a) Ant
a) Allt
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
et Blastula
d) Zygote
70. Which part of the brain is responsible for coordinating motor movements and balance?
a) corcorain
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
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4	Peroxisome
73. The p	rocess by which green plants convert light energy into chemical energy is called:
a)	Glycolysis
b)	
Let	Photosynthesis
d)	Fermentation
74. Which	of the following is a biotic factor in an ecosystem?
a)	
	Water availability
	Plants
	Soil composition
	nan anatomy, the ulna is a bone located in which part of the body?
	Leg
b)	
c)	Skull
	Spine
	unit of electric current is:
	Volt
c)	Ampere Ohm
	Watt
	s the law of conservation of energy?
	Energy cannot be created or destroyed, only transformed
	Energy always flows from hot to cold objects
c)	The total energy of a system increases with time
	Energy is directly proportional to mass
	of the following is a vector quantity?
a)	Speed
b)	Distance
(2)	Acceleration
d)	Mass
79. Accord	ling to Newton's third law of motion, for every action, there is an equal and opposite:
a)	Force
2000-009	Reaction
	Acceleration
200	Momentum
	s the SI unit of force?
	Newton
-67	
	Watt
	Pascal
	element is essential for all organic compounds?
	Hydrogen
20)	Carbon

d) Nitrogen

82. What is the chemical symbol for gold?

Au Au

c) Oxygen

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b) Ag

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c) Fe
d) Hg
83. What is the pH range for acidic solutions?
a) 0-3
b) 4-7
c) 8-14
d) 7-10
84. Which gas is responsible for the greenhouse effect on Earth?
a) Oxygen
b) Nitrogen
Carbon dioxide
d) Methane
<ul><li>85. What is the process of conversion of a liquid into vapor at its boiling point?</li><li>a) Condensation</li></ul>
b) Evaporation . (
c) Sublimation
Solidification
86. Which organ is responsible for filtering and removing waste products from the blood?
a) Liver
b) Kidney
c) Heart
d) Lungs
87. The respiratory system is responsible for the exchange of gases. Which gas is primarily taken in
during inhalation?
a) Carbon dioxide
b) Nitrogen
Oxygen
d) Hydrogen
88. The human brain is divided into how many main parts?
a) Two
b) Three
c) Four
Five
89. What is the main function of the digestive system?
a) Pump blood
Break down and absorb nutrients
c) Filter waste from the blood
d) Exchange gases
90 Which harmons is any 11 C
90. Which hormone is responsible for regulating blood sugar levels in the body?
(a) msum
b) Thyroxine
c) Estrogen
d) Testosterone
91. Which of the following is a primous for the
91. Which of the following is a primary function of leaves in plants?  A) Photosynthesis
b) Water absorption
c) Root anchorage
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Ch. Ch.

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- 92. 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
- 93. Which plant hormone is responsible for promoting cell elongation and growth, especially in the stems?
  - a) Gibberellin
  - b) Auxin
    - c) Cytokinin
    - d) Abscisic acid
- 94. In plant reproduction, what is the male gamete called?
  - a) Ovule
  - b) Pollen
  - c) Seed
- (d) Embryo
- 95. The outermost layer of a plant root that absorbs water and nutrients is called:
  - a) Cortex
  - b) Epidermis
    - c) Xvlem
    - d) Phloem
- 96. Which part of a flower develops into a fruit after fertilization?
  - a) Stamen
  - b) Pistil
  - Petal
    - d) Sepal
- 97. 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
- 98. Which process involves the fusion of male and female gametes to form a zygote in plants?
  - a) Germination
  - b) Fertilization
  - Pollination
    - d) Translocation
- 99. Which of the following is a function of the phloem in plants?
  - a) Water transport
  - b) Nutrient storage
  - c) Food transport
  - A Mechanical support

100. What is the specialized region of a stem where leaves are attached?

a) Node

- b) Internode
- c) Axil
- d) Apical meristem



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Department Name: Pharmacy	Date: 23-11-2022
Name of the Student: P. Harika	58
Avanthi Freeship No.: 22AFTP32	100
Duration:180 min  Tick the correct option for the following Multiple-Choic	Total Marks:100 ee Questions
<ol> <li>What subatomic particle is responsible for the chemical properties of a</li> <li>a) Proton</li> <li>b) Electron</li> <li>c) Neutron</li> <li>d) Positron</li> </ol>	n element?
2. Which type of bond is formed by the sharing of electrons between two a) Ionic b) Covalent c) Metallic d) Polar	nonmetals?
<ul> <li>3. In which group of the periodic table would you find the alkali metals?</li> <li>a) Group 1</li> <li>b) Group 2</li> <li>c) Group 17</li> <li>d) Group 18</li> </ul>	
4. At what temperature does water boil at standard atmospheric pressure?  a) 0°C  b) 100°C  c) -273°C  d) 373 K	
5. What is the balanced chemical equation for the reaction between hydrowater?	gen and oxygen to form
a) $H2 + O2 \rightarrow H2O$ b) $2H2 + O2 \rightarrow 2H2O$ c) $H2O \rightarrow H2 + O2$ d) $2H2O \rightarrow 2H2 + O2$	
6. Which of the following is a strong acid?	
a) Acetic acid (CH3COOH)  by Hydrochloric acid (HCl)	
c) Citric acid (C6H8O7) d) Carbonic acid (H2CO3)	
7. What does the rate of a chemical reaction depend on?	

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ay Temperature only

d) Pressure only

b) Concentration of reactants only

c) Both temperature and concentration, of reactants

a) Carbonylb) Hydroxylc) Carboxyld) Amine

a) Heat contentb) VolumePressured) Entropy

a) Electron
b) Proton

9. Enthalpy is a measure of a system's:

10. What particle is emitted during beta decay?

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8. Which functional group is present in aldehydes but not in ketones?

c) Neutron	
d) Positron	
11. What is the SI unit of force?	
a) Joule	
b) Newton	
c) Watt.	
d) Pascal	
12. In which medium do sound waves travel the fastest?	
a) Air	
b) Water	
Steel	
d) Vacuum	
13. What type of lens converges light rays to a single point?	•
a) Concave	
b) Convex	
e Diverging	
d) Plano-concave	
14. Which material is a good conductor of electricity?	
a) Rubber	
b) Glass	
Copper	
d) Wood	
The state of the s	hale)
15. What happens to the magnetic field when you break a bar magnet in Both pieces become new magnets	nan?
b) One piece becomes a magnet, the other loses magnetism	
c) Both pieces lose magnetism	
d) The magnetic field remains the same	
16. What is the first law of thermodynamics also known as?	
a Law of Conservation of Energy	
b) Boyle's Law	
c) Charles's Law	- K
d) Avogadro's Law	2
17. Which particle has a positive charge?	Avanthi India PRINCIPAL
a) Proton	Avanthi Institute of Pharmaceutical Sciences
b) Neutron	Cherukupally and Filal Illaceutical Sciences
	Cherukupally (V), Bhogapuram Mandal
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c)	E	lec	tro	1

d)	Photon
	Y TIOTOTI

18. What phenomenon is explained by Einstein's theory of relativity?

- 34	701		00
15	Photoe	potrio	attact
741	Photoel	CULIC	CITCLE

- b) Doppler effect
- c) Newton's laws of motion
- d) Archimedes' principle

19. What is the principle behind a hydraulic lift?

- a) Pascal's principle
- b) Bernoulli's principle
- c) Archimedes' principle
- d) Boyle's law

20. What is the force that tends to pull all objects with mass toward one another?

- a) Electromagnetic force
- b) Gravitational force
- A Strong nuclear force
- d) Weak nuclear force

21. What is the unit of measurement for electrical potential difference?

- a) Volts
- b) Newtons
- c) Joules.
- d) Amperes

22. 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

23. Which of the following is an example of a hinge joint in the human body?

- a) Shoulder joint
- b) Hip joint
- «) Knee joint
- d) Elbow joint

24. What is the main function of DNA in living organisms?

- a) Energy storage
- by Enzyme production
- c) Genetic information storage
- d) Protein synthesis

25. What is the basic unit of the nervous system responsible for transmitting signals?

- a) Neuron
- b.) Nephron
- c) Neutrino
- d) Nucleon

26. 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



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27. What is the primary effect of ionizing radiation on living	g cells?
a) Cell division	<b>₹</b> 5.3 <b>%</b> *1
b) Cell mutation	*
Cell dehydration	.*.
d) Cell enlargement	
28. What is the principle behind gel electrophoresis, a techn	ique used in genetic research?
a) Magnetic force	
b) Centrifugal force	
c) Electric field	
d) Gravitational force	4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
29. Which of the following organs is primarily responsible for	or regulating blood pressure?
a) Liver	
b) Kidneys	The Marie Marie
e) Heart	A Property Control of the Control of
d) Lungs	
30. What imaging technique uses magnetic fields and radio v	vaves to garage detailed in a ful
internal structures of the body?	
a) X-ray	e e a ser description :
b) Ultrasound	in possifi
MRI (Magnetic Resonance Imaging)	4 45 2
d) PET scen (Positron Emission T	18 m. 18 m. 18 m.
d) PET scan (Positron Emission Tomography)	4 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
31. Which of the following is a characteristic of arachnids?	*XXXX
a) Three pairs of legs	180 181 191 18 18 18 18 18 18 18 18 18 18 18 18 18
b) Antennae	等点有 <b>将</b> 高等的 大社会
c) Four pairs of legs	The State of the S
d) Soft body	A CONTRACTOR OF THE CONTRACTOR
32. In vertebrates, what structure is responsible for oxygen ex	change in the lungs?
a) Bronchi	15 16 2 to 15 2
b) Alveoli	
Trachea	760600
d) Diaphragm	
33. Which phylum includes animals with radial symmetry and	d stinging pells?
a) Mollusca	
b) Porifera	alorns
c) Cnidaria	Land tissue to
d) Annelida	dernis
4. What is the scientific term for an instinctive, stereotypical	ico
response to specific stimuli?	
A) Habituation	sojnyti
	prinary ferro
/	Cayaditally
c) Reflex	ispiral(?!)
d) Fixed action pattern	Siria (en)
5. In Mendelian genetics, which of the following is a homozy	ygous genotype?
a) Aa	p fortagens
b) Bb	en some manuscripturity
AA	the state of the s
d) AB	PRINCIPAL
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### AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

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36. Which gland is often referred to as the "master gland" because it regulates other endocrine	olands?
a) Thyroid gland	B
b) Adrenal gland	
c) Pancreas	
Pituitary gland	
37. What is the primary function of the antennae in insects?	
a) Locomotion	
b) Sensory perception	
c) Reproduction	
d) Defense	
38. Which level of ecological organization includes all living organisms in a particular area alo	ng with
their physical environment?	0
a) Population	
b) Community	
e) Ecosystem	
d) Biosphere	
39. 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	
40. 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)	
41. Which organelle is responsible for energy production in a eukaryotic cell?	
a) Golgi apparatus	
b) Endoplasmic reticulum	
c) Mitochondrion	
d) Nucleus	
42. What is the term for alternative forms of a gene at a specific locus?	
a) Allele	
-b) Chromatid	
c) Homolog	
d) Zygote	
43. What type of microorganism is responsible for fermentation in the production of bread and b	peer?
a) Bacteria	
b) Fungi	
Virus	
d) Algae	
44. The axial skeleton includes which of the following?	
Arms and legs	
b) Skull and vertebral column	
c) Pelvis and ribs	
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c) Pine

d) Orchid

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STD: 2005	www.avanthipharma.ac.in, principal@avanthipharma.ac.in
d)	Hands and feet
45. What is	the primary function of the stomata in plant leaves?
a) -	Photosynthesis
	Transpiration
	Respiration
	Absorption
	cells are responsible for the specific immune response and the production of antibodies?
a)	T cells
	B cells (
_e) I	Natural killer cells
d) 1	Macrophages
47. What is	the function of hemoglobin in red blood cells?
a) (	Oxygen transport ·
-b) N	Nutrient absorption ( )
c) \	Waste elimination
	Enzyme production
48. Which le	evel of ecological organization involves the interactions between different species in a
specific	area?
	Population
	Community
(307)	Ecosystem
	Biosphere
49. What is t	the purpose of polymerase chain reaction (PCR) in molecular biology?
a) L	JNA sequencing
	DNA replication
	Gene cloning
	rotein synthesis
balance?	art of the brain is responsible for coordinating voluntary muscle movements and maintaining
	anal-man-
,	erebrum erebellum
	fedulla oblongata halamus
or Fi	plant tissue does photosynthesis primarily occur?
	ylem
	aloem
	lesophyll
	ne primary function of the stomata in plant leaves?
a) Ph	notosynthesis
	ranspiration
	espiration
	bsorption
	the following is a non-vascular plant?
a) Fe	orn
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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
e) 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
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
53. Which class do humans belong to in the classification of vertebrates?
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b) Mammalia
c) Aves
d) Reptilia
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
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
A) 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
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) Endonlogmia national and a serior land and a
b) Endoplasmic reticulum  PRINCIPAL
c) Lysosome Avanthi Institute of Pharmaceutical Scientific Avanthi Institute Organical Scientific Avanthi Institute Organic

8

d) Nitrogen

82. What is the chemical symbol for gold

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d) Peroxisome
73. The process by which green plants convert light energy into chemical energy is called:
a) Glycolysis
b) Osmosis
c) Photosynthesis
de Fermentation .
74. Which of the following is a biotic factor in an ecosystem?
a) Temperature
b) Water availability
c) Plants
Soil composition
75. In human anatomy, the ulna is a bone located in which part of the body?
a) Leg
b) Arm
c) Skull
A) Spine
76. The SI unit of electric current is:
a) Volt
b) Ampere
e) 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
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
Acceleration /
d) Momentum
80. What is the SI unit of force?
Newton (
b) Joule
c) Watt
d) Pascal
81. Which element is essential for all organic compounds?
a) Hydrogen
La Carbon
c) Oxygen

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b) Ag c) Fe

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d) Hg	
83. What is the pH range for acidic solutions?	
a) 0-3	
b) 4-7	
ey 8-14 <del>\</del>	
d) 7-10	
84. Which gas is responsible for the greenhouse effect on Earth?  a) Oxygen	
b) Nitrogen	
c) Carbon dioxide	
Methane	
85. What is the process of conversion of a liquid into vapor at its boiling point?	
a) Contiensation	
b) Evaporation	
c) Sublimation	
d) Solidification	
86. Which organ is responsible for filtering and removing waste products from the blood?	
a) Liver	
b) Kidney	
Heart	
d) Lungs	
87. 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	
88. The human brain is divided into how many main parts?	
a) Two	
b) Three	
e) Four	
d) Five	
89. 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	
90. Which hormone is responsible for regulating blood sugar levels in the body?	
Insulin	
b) Thyroxine	
c) Estrogen	
d) Testosterone	
11. Which of the following is a primary function of leaves in plants?	
a) Photosynthesis	
b) Water absorption	
c) Poot anchorage	
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	d) Reproduction
92.	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
93.	Which plant hormone is responsible for promoting cell elongation and growth, especially in the
	stems?
	a) Gibberellin
	b) Auxin
	c) Cytokinin
	d) Abscisic acid
94.	In plant reproduction, what is the male gamete called?
	a) Ovule .
	b) Pollen
	c) Seed
	d) Embryo
95	The outermost layer of a plant root that absorbs water and nutrients is called:
	a) Cortex
	by Epidermis
	c) Xylem
	d) Phloem
96.	Which part of a flower develops into a fruit after fertilization?
	a) Stamen
	b) Pistil
	c) Petal
	d) Sepal
97.	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
98.	Which process involves the fusion of male and female gametes to form a zygote in plants?
	a) Germination
	b) Fertilization
	c) Pollination
	d) Translocation
99.	Which of the following is a function of the phloem in plants?
	a) Water transport
	b) Nutrient storage
	(e) Food transport
	d) Mechanical support
100	
	a) Node
	b) Internode
	c) Axil
	d) Apical meristem PRINCIPAL
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AVANTHI FREESHIPS QUALIFYING TES	I
Department Name: Pharmacy	Date: 23-11-2022
Name of the Student: S. HARI KRISHNA	(68)
Avanthi Freeship No.: 22AFTP55	(100)
Ouration:180 min  Tick the correct option for the following Multiple-Choice	Total Marks:100 e Questions
What subatomic particle is responsible for the chemical properties of ar	
a) Proton	
b) Electron	
c) Neutron	
d) Positron	
2. Which type of bond is formed by the sharing of electrons between two	nonmetals?
a) Ionic b) Covalent	
c) Metallic	H 2
d) Polar	
3. In which group of the periodic table would you find the alkali metals?	
a) Group 1	
b) Group 2	
c) Group 17	702
d) Group 18	
4. At what temperature does water boil at standard atmospheric pressure?	
a) <u>0</u> °C	
b) 100°C	
c) -273°C	
d) 373 K	
5. What is the balanced chemical equation for the reaction between hydrog	gen and oxygen to form
water? a) $H2 + O2 \rightarrow H2O$	
b) $2H2 + O2 \rightarrow 112O$	
$\begin{array}{c} \text{All } 2        $	is a
d) $2H2O \rightarrow 2H2 + O2$	
6. Which of the following is a strong acid?	
a) Acetic acid (CH3COOH)	
b) Hydrochloric acid (HCl)	
c) Citric acid (C6H8O7)	
d) Carbonic acid (H2CO3)	
7. What does the rate of a chemical reaction depend on?	1.
a) Temperature only	PRINCIPAL
b) Concentration of reactants only	vanthi Institute of Pharmaceutical Sciences
c) Both temperature and concentration of reactants	module of Pharmaceutical Sciences

d) Pressure only

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0.200
8. Which functional group is present in aldehydes but not in ketones?
(a) Carbonyl
b) Hydroxyl
c) Carboxyl
d) Amine
9. Enthalpy is a measure of a system's:
Heat content
b) Volume
c) Pressure
d) Entropy
10. What particle is emitted during beta decay?
a) Electron
by Proton
c) Neutron
d) Positron
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b) Glass
S Copper
d) Wood
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a) Both pieces become new magnets
One piece becomes a magnet, the other loses magnetism
c) Both pieces lose magnetism
d) The magnetic field remains the same
6. What is the first law of thermodynamics also known as?
a) Law of Conservation of Energy
b) Boyle's Law
Charles's Law
d) Avogadro's Law
7. Which particle has a positive charge?
a) Proton
b) Neutron PRINCIPAL
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c)	Electron

d)	P	ho	ton
11		LIV	FOLL

18. What phenomenon is explained by Einstein's theory of relativity?

-	771	100	mr.
a)	Photoe	actric	ottect
al	THOUGH	CULIC	CIICCE

Doppler effect

c) Newton's laws of motion

d) Archimedes' principle

19. What is the principle behind a hydraulic lift?

Pascal's principle

b) Bernoulli's principle

c) Archimedes' principle

d) Boyle's law

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b) Gravitational force

Strong nuclear force

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- b) Newtons
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- (c) Gamma radiation
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- b) Hip joint
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- a) Energy storage
- b) Enzyme production
- Genetic information storage

d) Protein synthesis

25. What is the basic unit of the nervous system responsible for transmitting signals?

(a) Neuron

- b) Nephron
- c) Neutrino
- d) Nucleon

26. Which of the following is a measure of the opposition to the flow of electric current in a biological system?

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- b) Resistance
- (c) Conductance
  - d) Capacitance



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27. What is the primary affect of	
a) Cell division	ionizing radiation on living cells?
b) Cell mutation	
Cell dehydration	
d) Coll only or attorn	$\sim$
d) Cell enlargement	
20. What is the principle behind g	gel electrophoresis, a technique used in genetic research?
a) Magnetic force	generic research;
b) Centrifugal force	
Electric field	
d) Gravitational force	
29. Which of the following organs	s is primarily responsible for regulating blood pressure?
a) Liver	regulating blood pressure?
b) Kidneys	
Heart	
d) Lungs	
30. What imaging technique uses r	nagnetic fields and radio waves to generate detailed images of the
internal structures of the body?	generate detailed images of the
a) X-ray	* *
b) Ultrasound	
MRI (Magnetic Resona	nce Imaging)
u) PEI Scan (Positron Emi	Scion Tomas I
31. Which of the following is a cha	racteristic of grached to
a) Three pairs of legs	raceristic of arachmids?
b) Antennae	* ' '
c) Four pairs of legs	
d) Soft body	
32. In vertebrates, what structure is	responsible for oxygen exchange in the lungs?
a) Bronchi	responsible for oxygen exchange in the lungs?
b) Alveoli .	
c) Trachea	
d) Diaphragm	
33. Which phylum includes animals	which as I' I
a) Mollusca	with radial symmetry and stinging cells?
b) Porifera	
Cnidaria	
d) Annelida	
34 What is the scientific town 5	
response to specific stimuli?	instinctive, stereotypical behavior pattern displayed by animals in
a) Habituation	r by and by animals in
	*
,inig	
- January	
Fixed action pattern	
33. In Mendelian genetics, which of t	he following is a homozygous genotype?
	your gawaype.
b) Bb	
c) AA	OF OF PHARMACO
AB	/ ( SOUNT TO LOS TO
and the second of the second o	PRINCIPAL Avanthi Institute ( N
	Avanthi Institute of Pharmaceutical Sciences
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	hich gland is often referred to as	s the "master glan	id" because i	t regulates other end	ocrine glands?
	a) Thyroid gland				
	b) Adrenal gland	1			
~	of Pancreas				
27 334	d) Pituitary gland		a ata 2		
	hat is the primary function of th	e antennae in inse	ects?		
	a) Locomotion				
V	b) Sensory perception	. /			
	c) Reproduction .			*	
	d) Defense	ation includes all	living organ	ieme in a particular	area along with
	nich level of ecological organiza	ation includes an	nving organi	isilis ili a particular a	area along with
	ir physical environment?				
	a) Population		2 3		
	b) Community  Construction of Ecosystem	1			
~	d) Biosphere				
	mammals, what is the name of	the fertilized egg	before it imr	lants into the uterin	e wall?
	a) Blastula	ine termized egg	before it imp	names into the aterm	o wan.
	b) Morula				
	Zygote	1			
V	d) Blastocyst				
	nich neurotransmitter is commo	nly associated wi	th mood regi	ulation and is often t	argeted by
	idepressant medications?	ing abboolated via	in mood reg.		8
	a) Serotonin				
	b) Dopamine			*	
	Acetylcholine	X			
	d) GABA (Gamma-aminobut	yric acid)			
41 377	. 1 11	1 4:			
	nich organelle is responsible for	energy production	on in a eukar	your cent	
	a) Golgi apparatus				
	b) Endoplasmic reticulum		7		
	c) Mitochondrion	$\times$	/		
ı	Nucleus	1			
42. Wh	nat is the term for alternative for	rms of a gene at a	specific loc	us?	
1	a) Allele				
	b) Chromatid				
	c) Homolog				
	d) Zygote				
43. Wh	nat type of microorganism is res	sponsible for ferm	nentation in t	he production of bre	ad and beer?
	a) Bacteria				
	b) Fungi	10			$\overline{\kappa}$
\	Virus	X			
	d) Algae	1	.16		
44. The	e axial skeleton includes which	of the following?	• •		
	a) Arms and legs	0,410			
	by Skull and vertebral column	TE OF THAMAS	1/1	PRINC	IDAL
~	c) Pelvis and ribs				
		の意思の大き		Avanthi Institute of Pha	
	Avanthi Ins	titute of Pharm	aceutical S	Cherukupally (V), Bl	nogapuram Mandal
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c) Pine d) Orchid

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d) Hands and feet	
45. What is the primary funct	tion of the stomata in plant leaves?
a) Photosynthesis	•
b) Transpiration	\ 0
Respiration	$\searrow$
d) Absorption	
46. Which cells are responsib	le for the specific immune response and the production of antibodies?
a) 1 cells	
b) B cells	
c) Natural killer cells	
d) Macrophages	
47. What is the function of he	moglobin in red blood cells?
Oxygen transport	
b) Nutrient absorptio	n
c) Waste elimination	
d) Enzyme productio	
48. Which level of ecological	organization involves the interactions between different species in a
specific area?	
a) Population	· ·
b) Community	
Ecosystem	
d) Biosphere	The state of the s
a) DNA sequencing	ymerase chain reaction (PCR) in molecular biology?
b) DNA replication	
Gene cloning	
d) Protein synthesis	
	responsible for coordinating valuation.
balance?	responsible for coordinating voluntary muscle movements and maintaining
a) Cerebrum	*
b) Cerebellum	
c) Medulla oblongata	
d) Thalamus	
51. In which plant tissue does	photosynthesis primarily occur?
a) Epidermis	primarily occur.
b) Xylem	
Phloem	
d) Mesophyll	
52. What is the primary function	on of the stomata in plant leaves?
a) Photosynthesis	F
b) Transpiration	
c) Respiration	
Absorption	
53. Which of the following is a	non-vascular plant?
a) Fern	<b>★</b>
h)/N/	

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54. Which term refers to plants that complete their life cycle in a single growing season?
a) Annuals
b) Perennials
Biennials Biennials
d) Shrubs
55. In plant breeding, what is hybrid vigor or heterosis?
a) Weakness in hybrid plants
by 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
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
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  Avanthi Institute of Pharmaceutical Sciences
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ž
b) Mammalia
(c) Aves
d) Reptilia
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
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
<u>d</u> 16
68. Which of the following insects undergoes complete metamorphosis?
Ant 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 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 PRINCIPAL
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b) Ag
c) Fe
d) Hg
83. What is the pH range for acidic solutions?
a) 0-3
b) 4-7
c) 8-14
d) 7-10
84. Which gas is responsible for the greenhouse effect on Earth?
a) Oxygen
b) Nitrogen
Carbon dioxide
d) Methane
85. What is the process of conversion of a liquid into vapor at its boiling point?
a) Condensation
b) Evaporation
c) Sublimation
d) Solidification
86. Which organ is responsible for filtering and removing waste products from the blood?
a) Liver
b) Kidney
c) Heart
d) Lungs
87. The respiratory system is responsible for the exchange of gases. Which gas is primarily taken in
during innatation?
a) Carbon dioxide
b) Nitrogen
c) Oxygen
d) Hydrogen
88. The human brain is divided into how many main parts?
a) Two
b) Three
d) Five
89. What is the main function of the digestive system?  a) Pump blood
Break down and absorb nutrients
c) Filter waste from the blood
d) Exchange gases
90. Which hormone is responsible for regulating blood sugar levels in the body?
a) Insulin
b) Thyroxine
c) Estrogen
d) Testosterone .
91. Which of the following is a primary function of leaves in plants?
Photosynthesis
b) Water absorption
c) Root anchorage



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AV Da
d Peroxisome
73. The process by which green plants convert light energy into chemical energy is called:  a) Glycolysis
b) Osmosis
Photosynthesis
d) Fermentation
74 Which of the following is a line of
74. Which of the following is a biotic factor in an ecosystem?  a) Temperature
b) Water availability
Plants
d) Soil composition
75. In human anatomy, the ulna is a hard-lead to
<ul><li>75. In human anatomy, the ulna is a bone located in which part of the body?</li><li>a) Leg</li></ul>
b) Arm
c) Skull
d) Spine
76. The SI unit of electric current is:
a) Volt
Ampere Ampere
c) Ohm
d) Watt
77. What is the law of conservation of energy?
Energy cannot be created or destroyed, only transformed
b) Energy always flows from hot to cold phiests
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
(e) 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 element is essential for all organic compounds?
a) Hydrogen
b) Carbon
c) Oxygen d) Nitrogen PRINCIPAL
d) Nitrogen

82. What is the chemical symbol for gold?

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c) Axil

d) Apical meristem

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		production
92	. What	is the process by which water is lost from the aerial parts of plants, especially through small
		in leaves?
	a)	Osmosis
	1	Transpiration
		Respiration
~ ~	d)	A.
93.	. Which	plant hormone is responsible for promoting cell elongation and growth, especially in the
	stems	
	a)	
	(6)	Auxin
	c)	Cytokinin
0.4	d)	Abscisic acid
94.		nt reproduction, what is the male gamete called?
	a)	Ovule
	(6)	Pollen
	c)	
05	d)	Embryo
93.		ntermost layer of a plant root that absorbs water and nutrients is called:
	a)	Cortex
	(0)	Epidermis
	c) d)	Xylem Phloem
06	- /	part of a flower develops into a fruit after fertilization?
90.	a)	Stamen
	by	Pistil
	(0)	Petal
	d)	Sepal
97		s the term for the opening and closing of stomata in plant leaves to regulate gas exchange?
- 1 -	a)	Photosynthesis
	b)	Transpiration
		Phototropism
		Guard cell movement
98.	Which	process involves the fusion of male and female gametes to form a zygote in plants?
	a)	Germination
		Fertilization
		Pollination
		Translocation
99.	0.0	of the following is a function of the phloem in plants?
		Water transport
		Nutrient storage
		Food transport
		Mechanical support
100		What is the specialized region of a stem where leaves are attached?
	2-2)	Node Sephanian
		Internode

PRINCIPAL

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#### AVANTHI FREESHIPS STUDENTS FOR THE ACADEMIC YEAR 2022-2023

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.	22AFTP0004	Adiyarapu Kusa Raju	54
2.	22AFTP0007	Anshu Kumari Singh	59
3.	22AFTP0009	Balivada Sowmya	52
4.	22AFTP0019	Boyi Priyanka	58
5.	22AFTP0020	Burada Rajuvardhan	53
6.	22AFTP0021	Chalapakala Deekshitha	49
7.	22AFTP0022	Chelluboina Lakshmi Pavani	58
8.	22AFTP0023	Chilakanti Sowjanya	56
9.	22AFTP0029	Darapu Chaitanya Sri	60
10.	22AFTP0034	Enturi Niharika	73
11.	22AFTP0035	Tummi Hemalatha	52
12.	22AFTP0037	Gollapalli Harini	56
13.	22AFTP0042	Isai Sairam	32
14.	22AFTP0044	Jayalaxmi Patnaik	54
15.	22AFTP0047	Katiki Keerthi	77
16.	22AFTP0048	Keerthana Pappu	51
17.	22AFTP0052	Koda Uma	60
18.	22AFTP0053	Kollu Trinadh	53
19.	22AFTP0054	Kommajosyula Asritha	51
20.	22AFTP0055	Konchada Pallavi	52
21.	22AFTP0058	Lankalapalli Tilak Kumar	53
22.	22AFTP0064	Meegada Reshma Rasagjna	52
23.	22AFTP0065	Muddada Simhadri	59
24.	22AFTP0069	Nekkalapudi Nikitha Annapurna	84
25.	22AFTP0074	Paidy Harika	58
26.	22AFTP0077	Palli Bindusai	62
27.	22AFTP0081	R Yaswanth Kumar	54
28.	22AFTP0083	Reddi Ranitha Devi	PRINCIPAL

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29.	22AFTP0084	Reddi Sravani	52
30.	22AFTP0085	Reddy Bhayani	50
31.	22AFTP0093	Sirisetti Jahnavi	68
32.	22AFTP0093	Sivvala Hari Krishna	
33.	22AFTP0094 22AFTP0098		68
		Tothadi Sneharika	62
34.	22AFTP00A0	Uttada Lakshmi Prasanna	50
35.	22AFTP00A2	Vellanki Sarath	62
36.	22AFTP00A3	Vemula Satya Sree Harshitha	59
37.	22AFTP00A8	Pappala Mounika	42
38.	22AFTP00A9	Bandi Venkata Jyothsna	41
39.	22AFTP00B0	Pydi Pravallika	48
40.	22AFTP0043	Isukapatla Krupanand	35
41.	22AFTP0078	Pandoyi Ankitha	39
42.	22AFTP0087	Samayamanthula Siva Parvathi	32
43.	22AFTP0091	Savalapuram Suneetha	43
44.	22AFTP0099	Toyaka Kavya	41
45.	22AFTP10002	Balireddy Pallavi	45
46.	22AFTP10001	Adduri Mohitha Bhavani	44
47.	22AFTP10004	Bandhru Balayasaswini	32
48.	22AFTP10010	Gunupuru Chandana	43
49.	22AFTP10011	Guttula Nandu	68
50.	22AFTP10012	Harshita Mesh	68
51.	22AFTP10014	Koyya Tejasree	62
52.	22AFTP10015	Madabattula Yogitha	50
53.	22AFTP10024	Sampathirao Haritha	62
54.	22AFTP10027	Shaurya Singh Yadav	59
55.	22AFTP10028	Thatipudi Priyanka	42
56.	22AFTP10032	Paidi Sruti	41
57.	22AFTP10031	Visarapu Danteswari	48
58.	22AFTP10006	Chalamalasetti Baby Prathyusha	55
59.	22AFTP10007	Chillapalli Sahruday	49
60.	22AFTP10021	Ponasanapalli Dhakshayani	32
61.	22AFTP10022	Ramoji Kreethi	\ 43

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62.	22AFTP10023	Vuriviti Pavani	41
63.	22AFTP10009	Gedda Tarun	59
64.	22AFTP10005	Chavali Arunakumari	42
65.	22AFTP10605	Kasireddi Ramalakshmi	41
66.	22AFTP10606	Kenari Shalini	48
67.	22AFTP10607	Madaka Divya Sai	35
68.	22AFTP10608	M Praveen Kumar	39
69.	22AFTP10609	Modalavalasa Sowmya	32
70.	22AFTP10610	Makireddi Kusuma	43
71.	22AFTP10611	Mattaparthi Alekhya	41
72.	22AFTP10612	Palli Joshana	45
73.	22AFTP10613	Pilaka Neha	44
74.	22AFTP10614	Rokkala Prasanthi	32
75.	22AFTP10615	Uppati Latha	43
76.	22AFTP20601	Baddem Bhargavi	59
77.	22AFTP20602	Bammidi Vidyasagar	42
78.	22AFTP20603	Baoa Mounika	41
79.	22AFTP20604	Gurugubelli Pranathi	43
80.	22AFTP20605	Nukapeyyi Rupadevi	35
81.	22AFTP20606	Pondari Rashmitha	39
82.	22AFTP20607	Rambha Mounika	32
83.	22AFTP20608	Revalla Venkata Laxmi	43
84.	22AFTP20609	S Praneetha	41
85.	22AFTP20301	Asapu Sirisha	45
86.	22AFTP20302	Chelikana Prakash	44
87.	22AFTP20303	Gandi Spandana	32
88.	22AFTP20304	Geddapu Sirisha	43
89.	22AFTP20305	Gollangi Harika	45
90.	22AFTP20306	Pavan Teja Bolla	40
91.	22AFTP20307	Saragadam Pooja Pranathi	35
92.	22AFTP20308	Seekolu Venkata Laskhmi	32
93.	22AFTP20309	Shaik Shakeela Bhanu	35

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94.	22AFTP20310	Sribhashyam Meena	42
95.	22AFTP20311	Sunkari Bhavani Sankar	40
96.	22AFTP20307	Potupureddi Sivakali Bharghavi	45
97.	22AFTP20308	Silapara Setty Shyam Sai	45
98.	22AFTP20309	Singidi Venkata Anil Chandra	43
99.	22AFTP20310	Subha Priya Undavalli	42
100.	22AFTP20311	Uppada Suryam	41
101.	22AFTP20312	Uppada Vasantha	40
102.	22AFTP20601	Engraj Jyoti Das	38
103.	22AFTP20602	Kucharlapati Pavani	38
104.	22AFTP20603	Manish Kumar	36
105.	22AFTP20604	Yvdata Rachana	38
106.	22AFTP20605	Rongali Ramadevi	34
107.	22AFTP20606	Pretom Chakraborty	37
108.	22AFTP20607	Yalla Hemalatha	40
109.	22AFTP20301	Ambati Ramakrishna	38
110.	22AFTP20302	B Rohith Kumar	42
111.	22AFTP20303	Bala Neekita	40
112.	22AFTP20304	Siddani Sruthi Suvarchala	45
113.	22AFTP20305	Malla Vasundhara	45
114.	22AFTP20306	Migada Durgadevi	43
115.	22AFTP20313	V Manohar	42
116.	22AFTP20314	Jami Jyoshna	41
117.	22AFTP20604	Garbhapu Vamsi	40
118.	22AFTP201605	Gembali Rohith	38
119.	22AFTP201602	Buddharaju Lekha	38
120.	22AFTP201614	Pandhiri Palli Bhuvaneswari	36
121.	22AFTP201615	Peddimsetty Pallavi	38



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





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Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.

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

Thagarapuvalasa

26-11-2022

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 25-11-2022.

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 23-11-2022 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 2022-2023. 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 121 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
PRINCIPAL
Avanthi Institute of Pharmaceutical Sciences
Cherukupally (V), Bhogapuram Mandal
Vizianagaram Dt., - 531162



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#### AVANTHI FREESHIPS STUDENTS FOR THE ACADEMIC YEAR 2022-2023

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.

S. No	Reg. No	Student Name	Scholarship
1.	22T51R0004	Adiyarapu Kusa Raju	35000
2.	22T51R0007	Anshu Kumari Singh	40000
3.	22T51R0009	Balivada Sowmya	35000
4.	22T51R0019	Boyi Priyanka	40000
5.	22T51R0020	Burada Rajuvardhan	35000
6.	22T51R0021	Chalapakala Deekshitha	30000
7.	22T51R0022	Chelluboina Lakshmi Pavani	40000
8.	22T51R0023	Chilakanti Sowjanya	37000
9.	22T51R0029	Darapu Chaitanya Sri	40000
10.	22T51R0034	Enturi Niharika	45000
11.	22T51R0035	Tummi Hemalatha	25000
12.	22T51R0037	Gollapalli Harini	40000
13.	22T51R0042	Isai Sairam	20000
14.	22T51R0044	Jayalaxmi Patnaik	40000
15.	22T51R0047	Katiki Keerthi	35000
16.	22T51R0048	Keerthana Pappu	35000
17.	22T51R0052	Koda Uma	40000
18.	22T51R0053	Kollu Trinadh	35000
19.	22T51R0054	Kommajosyula Asritha	35000
20.	22T51R0055	Konchada Pallavi	35000
21.	22T51R0058	Lankalapalli Tilak Kumar	35000
22.	22T51R0064	Meegada Reshma Rasagjna	35000
23.	22T51R0065	Muddada Simhadri	40000
24.	22T51R0069	Nekkalapudi Nikitha Annapurna	45000
25.	22T51R0074	Paidy Harika	31500
26.	22T51R0077	Palli Bindusai	40000
27.	22T51R0081	R Yaswanth Kumar	40000
28.	22T51R0083	Reddi Ranitha Devi	40000
29.	22T51R0084	Reddi Sravapi	40000 NCI

Avanthi Institute of Pharmaceutical Sciences

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



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30.	22T51R0085	Reddy Bhavani	40000
31.	22T51R0093	Sirisetti Jahnavi	40000
32.	22T51R0094	Sivvala Hari Krishna	35000
33.	22T51R0098	Tothadi Sneharika	45000
34.	22T51R00A0	Uttada Lakshmi Prasanna	30000
35.	22T51R00A2	Vellanki Sarath	45000
36.	22T51R00A3	Vemula Satya Sree Harshitha	40000
37.	22T51R00A8	Pappala Mounika	25000
38.	22T51R00A9	Bandi Venkata Jyothsna	25000
39.	22T51R00B0	Pydi Pravallika	30000
40.	22T51R0043	Isukapatla Krupanand	28000
41.	22T51R0078	Pandoyi Ankitha	25000
42.	22T51R0087	Samayamanthula Siva Parvathi	20000
43.	22T51R0091	Savalapuram Suneetha	20000
44.	22T51R0099	Toyaka Kavya	23000
45.	22T51T0002	Balireddy Pallavi	22000
46.	22T51T0001	Adduri Mohitha Bhavani	30000
47.	22T51T0004	Bandhru Balayasaswini	32000
48.	22T51T0010	Gunupuru Chandana	35000
49.	22T51T0011	Guttula Nandu	30000
50.	22T51T0012	Harshita Mesh	32000
51.	22T51T0014	Koyya Tejasree	34000
52.	22T51T0015	Madabattula Yogitha	30000
53.	22T51T0024	Sampathirao Haritha	28000
54.	22T51T0027	Shaurya Singh Yadav	30000
55.	22T51T0028	Thatipudi Priyanka	32000
56.	22T51T0032	Paidi Sruti	30000
57.	22T51T0031	Visarapu Danteswari	33000
58.	21T51T0006	Chalamalasetti Baby Prathyusha	28000
59.	21T51T0007	Chillapalli Sahruday	25000
60.	21T51T0021	Ponasanapalli Dhakshayani	20000
61.	21T51T0022	Ramoji Keerthi	20000
62.	20T51T0023	Vuriviti Pavani	21000

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Avanthi Institute of Pharmacentical Sciences rukupally (V), Bhogapuram Mandal Vizianagaram Dt., - 531162



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63.	20T51T0009	Gedda Tarun	20000
64.	20T51T0005	Chavali Arunakumari	20000
65.	22T51S1605	Kasireddi Ramalakshmi	15000
66.	22T51S1606	Kenari Shalini	13000
67.	22T51S1607	Madaka Divya Sai	12000
68.	22T51S1608	M Praveen Kumar	10000
69.	22T51S1609	Modalavalasa Sowmya	11000
70.	22T51S1610	Makireddi Kusuma	12000
71.	22T51S1611	Mattaparthi Alekhya	10000
72.	22T51S1612	Palli Joshana	12000
73.	22T51S1613	Pilaka Neha	10000
74.	22T51S1614	Rokkala Prasanthi	10000
75.	22T51S1615	Uppati Latha	15000
76.	22T51S0601	Baddem Bhargavi	12000
77.	22T51S0602	Bammidi Vidyasagar	12000
78.	22T51S0603	Baoa Mounika	10000
79.	22T51S0604	Gurugubelli Pranathi	10000
80.	22T51S0605	Nukapeyyi Rupadevi	12000
81.	22T51S0606	Pondari Rashmitha	10000
82.	22T51S0607	Rambha Mounika	8000
83.	22T51S0608	Revalla Venkata Laxmi	8500
84.	22T51S0609	S Praneetha	5600
85.	22T51S0301	Asapu Sirisha	5000
86.	22T51S0302	Chelikana Prakash	4500
87.	22T51S0303	Gandi Spandana	6000
88.	22T51S0304	Geddapu Sirisha	10000
89.	22T51S0305	Gollangi Harika	12000
90.	22T51S0306	Pavan Teja Bolla	10000
91.	22T51S0307	Saragadam Pooja Pranathi	8000
92.	22T51S0308	Seekolu Venkata Laskhmi	7500
93.	22T51S0309	Shaik Shakeela Bhanu	5000
94.	22T51S0310	Sribhashyam Meena	12000
95.	22T51S0311	Sunkari Bhayani Sankar	10000

Avanthi Institute of Pharmaceutical Science

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96.	21T51S0307	Potupureddi Sivakali Bharghavi	11000
97.	21T51S0308	Silapara Setty Shyam Sai	12000
98.	21T51S0309	Singidi Venkata Anil Chandra	10000
99.	21T51S0310	Subha Priya Undavalli	10000
100.	21T51S0311	Uppada Suryam	12000
101.	21T51S0312	Uppada Vasantha	10000
102.	21T51S0601	Engraj Jyoti Das	8000
103.	21T51S0602	Kucharlapati Pavani	8500
104.	21T51S0603	Manish Kumar	5600
105.	21T51S0604	Yvdata Rachana	5000
106.	21T51S0605	Rongali Ramadevi	4500
107.	21T51S0606	Pretom Chakraborty	12000
108.	21T51S0607	Yalla Hemalatha	10000
109.	21T51S0301	Ambati Ramakrishna	10000
110.	21T51S0302	B Rohith Kumar	12000
111.	21T51S0303	Bala Neekita	10000
112.	21T51S0304	Siddani Sruthi Suvarchala	12000
113.	21T51S0305	Malla Vasundhara	10000
114.	21T51S0306	Migada Durgadevi	10000
115.	21T51S0313	V Manohar	12000
116.	21T51S0314	Jami Jyoshna	10000
117.	21T51S01604	Garbhapu Vamsi	8000
118.	21T51S01605	Gembali Rohith	8500
119.	21T51S01602	Buddharaju Lekha	5600
120.	21T51S01614	Pandhiri Palli Bhuvaneswari	5000
121.	21T51S01615	Peddimsetty Pallavi	4500
		Total	2630800



Principal PRINCIPAL

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



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Thagarapuvalasa

13-04-2023

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 13-04-2023.

2. Avanthi Freeships & Merit Scholarship internal policy.

This is to request you please sanction amount of Rs. 238000/- (Two lakh thirty eight thousand Rupees) for 60 students into the college budget for the academic year 2022-2023.

The details are also enclosed for your consideration.

Thanking you

Yours faithfully

Chairman IAC

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



#### AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

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Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.

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#### List of Students awarded with Merit Scholarship Amount for the Academic Year 2022-2023

The following is the list of students are selected from Avanthi 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	20T51R0016	B. Radha Shyam Priya	I	5000
2.	B. Pharm	IV	20T51R0025	D. Yamuna	П	3000
3.	B. Pharm	IV	20T51R0061	M. Keertana	I	5000
4.	B. Pharm	IV	20T51R0049	K. Roopa	II	3000
5.	B. Pharm	IV	20T51R0037	I. Indu	I	5000
6.	B. Pharm	IV	20T51R0015	B. Raviteja	П	3000
7.	B. Pharm	IV	20T51R0029	E. Bhargavi	I	5000
8.	B. Pharm	IV	20T51R0027	E. Ramya	П	3000
9.	B. Pharm	III	21T51R0079	P. Sree Priya	I	5000
10.	B. Pharm	Ш	21T51R0091	P. Sneha Krishna	П	3000
11.	B. Pharm	III	21T51R0007	M. Manasa	I	5000
12.	B. Pharm	Ш	21T51R00	A. Pavitra	II	3000
13.	B. Pharm	П	22T51R0024	C. Sharmila	I	5000
14.	B. Pharm	П	22T51R00A5	V. Renuka	П	3000
15.	B. Pharm	П	22T51R0014	B. Thanusree	I	5000
16.	B. Pharm	П	22T51R0011	B. Geetaratnam	II	3000
17.	B. Pharm	П	22T51R0013	B. Jaswanth	I	5000
18.	B. Pharm	П	22T51R0003	A. Anusha	П	3000
19.	B. Pharm	П	22T51R0015	B. Bhuvaneswari	I	5000
20.	B. Pharm	II	22T51R0057	K. Sravani	II	3000
21.	B. Pharm	П	22T51R0065	M. Simhadri	I	5000
22.	B. Pharm	II	22T51R0008	A. Varsha	II	3000
23.	B. Pharm	П	22T51R0035	T. Hemalatha	I	5000
24.	B. Pharm	II	22T51R0086	R. Jhansi	II	3000
25.	Pharm. D	V	18T51T0024	U. Meghana	I	5000
26.	Pharm. D	V	18T51T0006	B. Meghana	II	3000
27.	Pharm. D	V	18T51T0005	B. Jayaradha Madhavi	I	5000
28.	Pharm. D	V	18T51T0007	B. Provalika	П	3000
29.	Pharm. D	IV	19T51T0014	P Rrasanna	Ip	RINEPPAL

Avanthi Institute of Pharmaceutical Sciences



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30.	Pharm. D	IV	19T51T0001	A. Sushmitha	П	3000
31.	Pharm. D	V	19T51T0012	K. Ushasri	1	5000
32.	Pharm. D	V	19T51T0022	V. Sandhya Rani	П	3000
33.	Pharm. D	IV	19T51T0010	K. Chandini	П	3000
34.	Pharm. D	Ш	20T51T0002	A. Rohitha	I	5000
35.	Pharm. D	III	20T51T0012	K. Sai Lavanya	П	3000
36.	Pharm. D	Ш	20T51T0016	M. Rizvi	I	5000
37.	Pharm. D	Ш	20T51T0010	G. Varshini	П	3000
38.	Pharm. D	П	21T51T0020	P. Bhavani	I	5000
39.	Pharm. D	II	21T51T0011	G. Roshini	П	3000
40.	Pharm. D	П	21T51T0009	P. Pranathi	I	5000
41.	Pharm. D	II	21T51T0030	G. Iswarya	II	3000
42.	Pharm. D	П	21T51T0018	N. Abhishek	I	5000
43.	Pharm. D	П	21T51T0011	G. Pallavi	II	3000
44.	Pharm. D	IV	19T51T0018	K. Ramakrishna	I	5000
45.	Pharm. D	IV	19T51T0021	V. Sandhya Rani	II	3000
46.	Pharm. D	IV	19T51T0023	V. Syam Kumar	I	5000
47.	Pharm. D	IV	19T51T0009	K. Anusha	II	3000
48.	Pharm. D	IV	19T51T0004	K. Chandini	II	3000
49.	M. Pharm	I	21T51S01614	P. Bhuvaneswari	I	5000
50.	M. Pharm	I	21T51S01615	P. Pallavi	II	3000
51.	M. Pharm	I	21T51S01612	M. Reshma Satya Sri	I	5000
52.	M. Pharm	I	21T51S01613	N. Sruthi Sandhya	II	3000
53.	M. Pharm	I	21T51S0604	Y. Rachana	I	5000
54.	M. Pharm	I	21T51S0605	R. Ramadevi	П	3000
55.	M. Pharm	П	21T51S0606	P. Chakraborty	I	5000
56.	M. Pharm	П	21T51S0607	Y. Hemalatha	П	3000
57.	M. Pharm	П	21T51S0301	A. Ramakrishna	I	5000
58.	M. Pharm	II	21T51S0304	S.Sruthi Suvarchala	П	3000
59.	M. Pharm	П	21T51S0305	M. Vasundhara	I	5000
60.	M. Pharm	II	21T51S0302	B. Rohith Kumar	П	3000
			Total			238000

