

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

5.1.1: Number of students benefitted by scholarships and Freeships provided by the institution, Government and Non-Government bodies, industries, individuals, philanthropists during the Academic year 2020-2021

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	106		59-62
5	Free ship Students with sanctioned amount	106	4932000	63- 67
6	Merit scholarship students list with amount	50	198000	68- 70
	Total		5130000	



Avanthi Institute of Pharmaceutical Sciences
Cherukupally (V), Bhogapuram Mandal
Vizianagaram Dt., - 5311



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

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.
- 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

Cherukupally (V), Bhogapuram Mandal Viz arram Dt., - 531162



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

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 2nd 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.



PRINCIPAL

Avanthi Institute of Pharmaceutical Science
Cherukupally (V), Bhogapuram Mar
Vizianagaram Dt., - 531162



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

AVANTHI FREESHIPS QUALIFYING TEST

Department Name: Pharmacy	Date: 15-10-2020
Name of the Student:	
Avanthi Freeship No.:	
Duration:180 min	Total Marks:100

Tick the correct option for the following Multiple-Choice Questions

- 1. In which medium do sound waves travel the fastest?
 - a) Air
 - b) Water
 - c) Steel
 - d) Vacuum
- 2. What type of lens converges light rays to a single point?
 - a) Concave
 - b) Convex
 - c) Diverging
 - d) Plano-concave
- 3. Which material is a good conductor of electricity?
 - a) Rubber
 - b) Glass
 - c) Copper
 - d) Wood
- 4. 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
- 5. 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
- 6. Which particle has a positive charge?
 - a) Proton
 - b) Neutron
 - c) Electron
 - d) Photon
- 7. What phenomenon is explained by Einstein's theory of relativity?
 - a) Photoelectric effect
 - b) Doppler effect
 - c) Newton's laws of motion
 - d) Archimedes' principle
- 8. What is the principle behind a hydraulie lift?
 - a) Pascal's principle
 - b) Bernoulli's principle

PRINCIPAL

Avanthi Institute of Pharmaceutical Sciences

Cherukupally (V), Bhogapuram Mandal

Avanthi Institute of Pharmaceutical Scienceszianagaram Dt., - 531162

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

- c) Archimedes' principle
- d) Boyle's law
- 9. 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
- 10. What is the unit of measurement for electrical potential difference?
 - a) Volts
 - b) Newtons
 - c) Joules
 - d) Amperes
- 11. In medical imaging, which type of radiation is commonly used for X-rays?
 - a) Alpha radiation
 - b) Beta radiation
 - c) Gamma radiation
- 12. What subatomic particle is responsible for the chemical properties of an element?
 - a) Proton
 - b) Electron
 - c) Neutron
 - d) Positron
- 13. Which type of bond is formed by the sharing of electrons between two nonmetals?
 - a) Ionic
 - b) Covalent
 - c) Metallic
 - d) Polar
- 14. What is the SI unit of force?
 - a) Joule
 - b) Newton
 - c) Watt
 - d) Pascal
- 15. In which group of the periodic table would you find the alkali metals?
 - a) Group 1
 - b) Group 2
 - c) Group 17
 - d) Group 18
- 16. At what temperature does water boil at standard atmospheric pressure?
 - a) 0°C
 - b) 100°C
 - c) -273°C
 - d) 373 K
- 17. What is the balanced chemical equation for the reaction between hydrogen and oxygen to form water?
 - a) $H2 + O2 \rightarrow H2O$
 - b) 2H2 + O2 → 2H2O
 - c) $H2O \rightarrow H2 + O2$
 - d) 2H2O → 2H2 + O2
- 18. Which of the following is a strong acid?
 - a) Acetic acid (CH3COOH)
 - b) Hydrochloric acid (HCI)

PRINCIPAL

Avanthi Institute of Pharmaceutical Science

Cherukupally (V), Bhogapuram Manda Vizianagaram Dt., - 531162

Avanthi Institute of Pharmaceutical Sciences

The state of the s

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

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

- c) Citric acid (C6H8O7)
- d) Carbonic acid (H2CO3)
- 19. What does the rate of a chemical reaction depend on?
 - a) Temperature only
 - b) Concentration of reactants only
 - c) Both temperature and concentration of reactants
 - d) Pressure only
- 20. Which functional group is present in aldehydes but not in ketones?
 - a) Carbonyl
 - b) Hydroxyl
 - c) Carboxyl
 - d) Amine
- 21. Enthalpy is a measure of a system's:
 - a) Heat content
 - b) Volume
 - c) Pressure
 - d) Entropy
- 22. What particle is emitted during beta decay?
 - a) Electron
 - b) Proton
 - c) Neutron
 - d) Positron
- 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

PRINCIPAL



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

- b) Centrifugal force
- 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

PRINCIPAL

Avanthi Institute of Pharmaceutical Sciences Cherukupatiy (V), Bhogapuram Mandal Vizuragaram Dt., - 531162

FSID: 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

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

- 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
- 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

PRINCIPAL

FSTD: 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

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

- 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

PRINCIPAL

Avanthi Institute of Pharmaceutical Science

ESID: 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

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

- 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 organ is responsible for filtering and removing waste products from the blood?
 - a) Liver
 - b) Kidney
 - c) Heart
 - d) Lungs
- 71. 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
- 72. The human brain is divided into how many main parts?
 - a) Two
 - b) Three
 - c) Four
 - d) Five
- 73. 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

PRINCIPAL

Avanthi Institute of Pharmaceutical Sciences

Cherukupally (V), Bhogapuram Manda

Avanthi Institute of Pharmaceutical Sciencesanagaram Dt., - 531162



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

74. Which hormone is responsible for regulating blood sugar levels in the body?

- a) Insulin
- b) Thyroxine
- c) Estrogen
- d) Testosterone
- 75. Which of the following is a primary function of leaves in plants?
 - a) Photosynthesis
 - b) Water absorption
 - c) Root anchorage
 - d) Reproduction
- 76. 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
- 77. Which plant hormone is responsible for promoting cell elongation and growth, especially in the stems?
 - a) Gibberellin
 - b) Auxin
 - c) Cytokinin
 - d) Abscisic acid
- 78. In plant reproduction, what is the male gamete called?
 - a) Ovule
 - b) Pollen
 - c) Seed
 - d) Embryo
- 79. The outermost layer of a plant root that absorbs water and nutrients is called:
 - a) Cortex
 - b) Epidermis
 - c) Xylem
 - d) Phloem
- 80. Which part of a flower develops into a fruit after fertilization?
 - a) Stamen
 - b) Pistil
 - c) Petal
 - d) Sepal
- 81. 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
- 82. Which process involves the fusion of male and female gametes to form a zygote in plants?
 - a) Germination
 - b) Fertilization
 - c) Pollination
 - d) Translocation
- 83. Which of the following is a function of the phloem in plants?

a) Water transport

PRINCIPAL

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

- b) Nutrient storage
- c) Food transport
- d) Mechanical support
- 84. What is the specialized region of a stem where leaves are attached?
 - a) Node
 - b) Internode
 - c) Axil
 - d) Apical meristem
- 85. Which part of the brain is responsible for coordinating motor movements and balance?
 - a) Cerebrum
 - b) Cerebellum
 - c) Medulla oblongata
 - d) Thalamus
- 86. What is the primary function of the mitochondria in a cell?
 - a) Photosynthesis
 - b) Cellular respiration
 - c) DNA replication
 - d) Protein synthesis
- 87. Which organelle is responsible for detoxifying harmful substances in the liver cells?
 - a) Golgi apparatus
 - b) Endoplasmic reticulum
 - c) Lysosome
 - d) Peroxisome
- 88. The process by which green plants convert light energy into chemical energy is called:
 - a) Glycolysis
 - b) Osmosis
 - c) Photosynthesis
 - d) Fermentation
- 89. Which of the following is a biotic factor in an ecosystem?
 - a) Temperature
 - b) Water availability
 - c) Plants
 - d) Soil composition
- 90. In human anatomy, the ulna is a bone located in which part of the body?
 - a) Leg
 - b) Arm
 - c) Skull
 - d) Spine
- 91. The SI unit of electric current is:
 - a) Volt
 - b) Ampere
 - c) Ohm
 - d) Watt
- 92. 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
- 93. Which of the following is a vector quantity?

a) Speed

Avanthi Institute of Pharmaceutical Sciences

Avanthi Institute of Pharmaceutical Sciencesupally (V), Bhogapuram Mandal Vizianagora: Dt., - 531162

The second secon

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

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

- b) Distance
- c) Acceleration
- d) Mass
- 94. 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
- 95. What is the SI unit of force?
 - a) Newton
 - b) Joule
 - c) Watt
 - d) Pascal
- 96. Which element is essential for all organic compounds?
 - a) Hydrogen
 - b) Carbon
 - c) Oxygen
 - d) Nitrogen
- 97. What is the chemical symbol for gold?
 - a) Au
 - b) Ag
 - c) Fe
 - d) Hg
- 98. What is the pH range for acidic solutions?
 - a) 0-3
 - b) 4-7
 - c) 8-14
 - d) 7-10
- 99. Which gas is responsible for the greenhouse effect on Earth?
 - a) Oxygen
 - b) Nitrogen
 - c) Carbon dioxide
 - d) Methane
- 100. What is the process of conversion of a liquid into vapor at its boiling point?
 - a) Condensation
 - b) Evaporation
 - c) Sublimation
 - d) Solidification



PRINCIPAL

Avanthi Institute of Pharmaceutical Sciences

Cherukupally (V), Bhogapuram Mandali

Vizianagaram Dt., - 531162



Department Name: Pharmacy

d) Photon

a) Photoelectric effect
Doppler effect

c) Newton's laws of motion

8. What is the principle behind a hydraulic lift?

d) Archimedes' principle

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(APPROVED BY A.I.C.T.E, P.C.I, New Delhi, RECOGNIZED BY THE GOVT. OF A.P. & AFFILIATED TO JNTU- KAKINDA)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.

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

Date: 15-10-2020

Avanthi Institute of Pharmaceutical Sciences

Cherukupaliy (V), Bhogapuram Mandal

Vizianagaram Dt., - 531162

AVANTHI FREESHIPS QUALIFYING TEST

Name of the Student: (1 SAI YASWANTH	1+2
Avanthi Freeship No.: 20AFT PO35	(100)
Duration:180 min Tota	al Marks:100
Tick the correct option for the following Multiple-Choice Que	estions
 In which medium do sound waves travel the fastest? 	
a) Air	
b) Water	
c) Steel	
d) Vacuum	
2. What type of lens converges light rays to a single point?	
a) Concave	
b) Convex	
c) Diverging	
d) Plano-concave	
3. Which material is a good conductor of electricity?	
a) Rubber b) Glass	
c) Copper	
d) Wood	
4. 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	
5. 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	
6. Which particle has a positive charge?	
a) Proton	
Neutron \checkmark	
c) Electron	

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

ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES (APPROVED BY A.I.C.T.E, P.C.I, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTU- KAKINDA) Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162. www.avanthipharma.ac.in, principal@avanthipharma.ac.in

a) Pascal's principle	
b) Bernoulli's principle	
c) Archimedes' principle	
d) Boyle's law	
9. 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	
10. What is the unit of measurement for electrical potential difference?	
a) Volts	
b) Newtons	
c) Joules	
d) Amperes	
11. In medical imaging, which type of radiation is commonly used for X-rays?	
a) Alpha radiation	
b) Beta radiation	
(e) Gamma radiation	
12. What subatomic particle is responsible for the chemical properties of an element?	
a) Proton	
b) Electron	
c) Neutron	
d) Positron	
13. Which type of bond is formed by the sharing of electrons between two nonmetals?	
a) Ionic	
b) Covalent	
c) Metallic	
d) Polar	
14. What is the SI unit of force?	
a) Joule	
b) Newton	
c) Watt	
d) Pascal	
15. In which group of the periodic table would you find the alkali metals?	
a) Group 1	
b) Group 2	
c) Group 17	
d) Group 18	
16. At what temperature does water boil at standard atmospheric pressure?	
a) 0°C	
b) 100°C	
c) -273°C	
d) 373 K	
17. What is the balanced chemical equation for the reaction between hydrogen and oxygen to form	
water?	
a) H2 + O2 → H2O	
a) A2 + O2 → H2O b) 2H2 + O2 → 2H2O Avanthi Institute of Pharmaceutical Science	S
c) H2O → H2 + O2 Cherukupally (V), Bhogapuram Manda	1
Vizianagaran Di	1

ESTD: 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(APPROVED BY A.I.C.T.E, P.C.I, New Delhi, RECOGNIZED BY THE GOVT. OF A.P. & AFFILIATED TO JNTU- KAKINDA)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.

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

d)	2H2O	\rightarrow	2H2	+	O2

- 18. Which of the following is a strong acid?
 - a) Acetic acid (CH3COOH)
 - b) Hydrochloric acid (HCl)
 - c) Citric acid (C6H8O7)
 - d) Carbonic acid (H2CO3)
- 19. What does the rate of a chemical reaction depend on?
 - a) Temperature only
 - b) Concentration of reactants only
 - Both temperature and concentration of reactants
 - d) Pressure only
- 20. Which functional group is present in aldehydes but not in ketones?
 - a) Carbonyl
 - b) Hydroxyl
 - c) Carboxyl
 - d) Amine
- 21. Enthalpy is a measure of a system's:
 - A) Heat content
 - b) Volume
 - c) Pressure
 - d) Entropy
- 22. What particle is emitted during beta decay?
 - a) Electron
 - b) Proton
 - c) Neutron
 - d) Positron
- 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
 - e) Conductance
 - d) Capacitance

27. What is the primary effect of ionizing radiation on living cells?

PRINCIPAL

Avanthi Institute of Pharmaceutical Sciences Cherukupally (V), Bhogapuram Mandal

Vizianagaram Dt., - 531162

ESTD: 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES (APPROVED BY A.I.C.T.E, P.C.I, New Delhi, Recognized by the Govt. of A.P. & Affiliated to Jntu-Kakinda) Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162. www.avanthipharma.ac.in, principal@avanthipharma.ac.in

a) (Cell division
b) (Cell mutation
c) (Cell dehydration
0.5	Cell enlargement
	the principle behind gel electrophoresis, a technique used in genetic research?
	Magnetic force
	Centrifugal force
	Electric field
	Gravitational force
	of the following organs is primarily responsible for regulating blood pressure?
	Liver
	Kidneys
	Heart
	Lungs
	naging technique uses magnetic fields and radio waves to generate detailed images of the
	structures of the body?
	X-ray
20 5 C	Iltrasound
	MRI (Magnetic Resonance Imaging)
	PET scan (Positron Emission Tomography)
SACTOR SUPPLEMENT CONTROL OF THE	of the following is a characteristic of arachnids?
	Three pairs of legs
- 20	Antennae /
c) F	Four pairs of legs
	Soft body
32. In verteb	prates, what structure is responsible for oxygen exchange in the lungs?
	Bronchi
6) A	Alveoli
c) T	Frachea
d) I	Diaphragm
33. Which p	hylum includes animals with radial symmetry and stinging cells?
	Mollusca
b) P	Porifera
c) (nidaria
d) A	nnelida
34. What is t	the scientific term for an instinctive, stereotypical behavior pattern displayed by animals in
response	to specific stimuli?
a) H	Iabituation
b) C	Conditioning
	Leflex
d) F	ixed action pattern
35. In Mende	elian genetics, which of the following is a homozygous genotype?
a) A	La COMADO
, b) B	
c) A	Avanthi Institute of Pharmaceutical Science
d) A	
	Cherukupally (V), Bhogapuram Manda
Which gl	land is often referred to as the "master gland" because it regulates other endocrine glands?

(APPROVED BY A.I.C.T.E, P.C.I, New Delhi, RECOGNIZED BY THE GOVT. OF A.P. & AFFILIATED TO JNTU- KAKINDA) Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.

TD: 2005	WWW	avanunpham	ia.ac.m, principal(@av	антриатиалас, п	
a) Thyroid g	land				
b) Adrenal g					
c) Pancreas	1				
d) Pituitary	pland				
37. What is the prima		e antennae i	n insects?		
a) Locomoti	-	o unicimido i	n miscoto.		
b) Sensory p					
c) Reproduc		d			
d) Defense					
	cological organiza	ation include	es all living organi	sms in a particular area	along with
their physical env		ition moraci	os an nymg organi	omo m a particular area	along with
a) Population					
b) Communi		d			
c) Ecosysten					
d) Biosphere					
		he fertilized	egg before it imn	lants into the uterine wa	all?
a) Blastula	it is the hame of t	no rorumzec	egg cerere it imp	tunto into the uterine we	
b) Morula		1			
c) Zygote		2			
d) Blastocyst	ŕ				
		alv associate	ed with mood requi	lation and is often targe	eted by
antidepressant me		ny associati	ou with mood rogu	auton una is often targe	sted by
(a) Serotonin					
b) Dopamine					
c) Acetylcho					
	amma-aminobuty	vric acid)			
-,(-		, ,			
41. Which organelle i	s responsible for	energy proc	luction in a eukary	votic cell?	
a) Golgi appa		O 1			
b) Endoplasn					
e) Mitochono					
d) Nucleus					
42. What is the term f	or alternative for	ms of a gen	e at a specific locu	is?	
a) Allele					
b) Chromatid					
c) Homolog		/			
d) Zygote					
43. What type of micr	oorganism is resp	ponsible for	fermentation in th	ne production of bread a	and beer?
a) Bacteria					
b) Fungi					
c) Virus				N .	
d) Algae				DDINGO	
AA The eniel steel steel	Construction and Calc.	Cal - E 11	0	FRINGIPAL	

Avanthi Institute of Pharmaceutical Sciences

Cherukupally (V), Bhogapuram Mandal

Vizianagaram Dt., - 531162

44. The axial skeleton includes which of the following?

b) Skull and vertebral column

a) Arms and legs

Pelvis and ribs

d) Hands and feet

ESTD: 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(APPROVED BY A.I.C.T.E, P.C.I, New Delhi, RECOGNIZED BY THE GOVT. OF A.P. & AFFILIATED TO JNTU-KAKINDA)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.

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

45. What is the primary function of the stomata in plant leaves?
a) Photosynthesis
b) Transpiration
c) Respiration
Absorption
46. Which cells are responsible for the specific immune response and the production of antibodies?
a) T cells
b) B cells
c) Natural killer cells
d) Macrophages
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
Phloem
d) Mesophyll
52. What is the primary function of the stomata in plant leaves?
a) Photosynthesis
b) Transpiration PRINCIPAL
c) Respiration d) Absorption Avanthi Institute of Pharmaceutical Sciences Avanthi Institute of Pharmaceutical Sciences
d) Absorption Avanthi Institute of Pharmaceuram Mandal
A 1 Which of the following to a man vincetile of least 1 and
d) Toll
b) Moss
c) Pine
d) Orchid
54. Which term refers to plants that complete their life cycle in a single growing season?

(APPROVED BY A.I.C.T.E, P.C.I. New Delhi, RECOGNIZED BY THE GOVT, OF A.P. & AFFILIATED TO INTIL, KAKINDA)

	Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.
D: 2005	www.avanthipharma.ac.in, principal@avanthipharma.ac.in
a)	Annuals
(0)	Perennials
c)	Biennials
d)	
	nt breeding, what is hybrid vigor or heterosis?
	Weakness in hybrid plants
	Superior qualities in hybrid plants
	Hybrid sterility
	Genetic mutations in hybrids
56. Which	plant hormone is responsible for promoting cell elongation and influencing phototropism?
	Gibberellins
	Auxins
	Cytokinins
	Abscisic acid
	type of organism causes Dutch Elm Disease, a common plant disease affecting elm trees?
	Bacteria
	Fungi
	Virus
	Nematodes
	is the main function of mycorrhizae in plant roots?
	Photosynthesis
	Nutrient absorption
	Water storage
	Reproduction
	is the outermost layer of cells in a young plant root responsible for absorbing water and
nutrier	
	Cortex
	Endodermis
	Epidermis Poriovala
	Pericycle
oo. Willen	plant is the source of the drug aspirin? Willow
(h)	
	Eucalyptus
	Poppy Digitalis
	ch organ of the digestive system are nutrients primarily absorbed into the bloodstream?
	Stomach
	Small intestine
	Large intestine
1000	Liver
The second second second	s the term for the innate behavior exhibited by animals in response to environmental cues?
	Instinct
	Learning Co. PHARM
	Conditioning
	W. VARMANA VARIANCE

d) Habituation
63. Which class do humans belong to in the classification of vertebrates Rerukupally (V), Bhogapuram Mandal Vizianagaram Dt., - 531162 Avanthi Institute of Pharmaceutical Sciences a) Amphibiab) Mammalia

ESTD: 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

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

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

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
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
Blastula
d) Zygote
70. Which organ is responsible for filtering and removing waste products from the blood?
a) Liver
(b) Kidney
c) Heart
d) Lungs
71. The respiratory system is responsible for the exchange of gases. Which gas is primarily taken in
during inhalation?
a) Carbon dioxide
b) Nitrogen e) Oxygen PRINCIPAL
d) Hydrogen Avanthi Institute of Pharmaceutical Sciences
72. The human brain is divided into how many main parts? (Cherukupally (V), Bhogapuram Mandal Vizianagaram Dt 531163
ANALYSIS TO THE STATE OF THE ST
b) Three c) Four
y rom

ESTD: 2005	AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES (APPROVED BY A.I.C.T.E, P.C.I, New Delhi, RECOGNIZED BY THE GOVT. OF A.P. & AFFILIATED TO JNTU- KAKINDA) Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162. www.avanthipharma.ac.in, principal@avanthipharma.ac.in
d)	Five
73. 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
74. Which	hormone is responsible for regulating blood sugar levels in the body?
ar	Insulin
b)	Thyroxine
c)	Estrogen
d)	Testosterone
75. Which	of the following is a primary function of leaves in plants?
a) Pho	tosynthesis
b) Wa	ter absorption
c) Roc	ot anchorage

d) Reproduction 76. 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
- 77. Which plant hormone is responsible for promoting cell elongation and growth, especially in the stems?
 - a) Gibberellin
 - b) Auxin
 - c) Cytokinin
 - d) Abscisic acid
- 78. In plant reproduction, what is the male gamete called?
 - a) Ovule
 - b) Pollen
 - c) Seed
 - d) Embryo
- 79. The outermost layer of a plant root that absorbs water and nutrients is called:
 - a) Cortex
 - b) Epidermis
 - c) Xylem
 - d) Phloem
- 80. Which part of a flower develops into a fruit after fertilization?
 - a) Stamen
 - b) Pistil
 - Petal
 - d) Sepal
- 81. 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

PRINCIPAL Avanthi Institute of Pharmaceutical Sciences

Cherukupally (V), Bhogapuram Mandal Vizianagaram Dt., - 531162

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES (APPROVED BY A.I.C.T.E, P.C.I, New Delhi, RECOGNIZED BY THE GOVT. OF A.P. & AFFILIATED TO JNTU- KAKINDA) Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162. www.avanthipharma.ac.in, principal@avanthipharma.ac.in

82. Which process involves the fusion of male and female gametes to form a zygote in plants?	
a) Germination	
b) Fertilization	
c) Pollination	
d) Translocation	
83. Which of the following is a function of the phloem in plants?	
a) Water transport	
b) Nutrient storage	
c) Food transport	
d) Mechanical support	
84. What is the specialized region of a stem where leaves are attached?	
a) Node	
b) Internode	
c) Axil	
d) Apical meristem	
85. Which part of the brain is responsible for coordinating motor movements and balance?	
a) Cerebrum	
b) Cerebellum	
Medulla oblongata d) Thalamus	
86. What is the primary function of the mitochondria in a cell?	
a) Photosynthesis	
b) Cellular respiration	
c) DNA replication	
d) Protein synthesis	
87. Which organelle is responsible for detoxifying harmful substances in the liver cells?	
a) Golgi apparatus	
b) Endoplasmic reticulum	
c) Lysosome	
A) Peroxisome	
88. The process by which green plants convert light energy into chemical energy is called:	
a) Glycolysis	
b) Osmosis	
c) Photosynthesis	
d) Fermentation	
89. Which of the following is a biotic factor in an ecosystem?	
a) Temperature	
b) Water availability	
Plants	
d) Soil composition	
90. In human anatomy, the ulna is a bone located in which part of the body?	
a) Leg	
h) drm	
PRINCIPAL	
d) Spine Avanthi Institute of Pharmaceutical S	nionaca
91. The SI unit of electric current is:	ciences
The state of the s	landal :
a) Volt Vizianagaram Dt., - 531162	2
p) Import	

(APPROVED BY A.I.C.T.E, P.C.I, New Delhi, RECOGNIZED BY THE GOVT, OF A.P. & AFFILIATED TO JNTU- KAKINDA) Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162. www.avanthipharma.ac.in, principal@avanthipharma.ac.in

c) Ohm d) Watt 92. 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 93. Which of the following is a vector quantity? a) Speed b) Distance Acceleration d) Mass 94. 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 95. What is the SI unit of force? 2) Newton b) Joule c) Watt d) Pascal 96. Which element is essential for all organic compounds? a) Hydrogen b) Carbon c) Oxygen d) Nitrogen 97. What is the chemical symbol for gold? a) Au b) Ag c) Fe d) Hg 98. What is the pH range for acidic solutions?

a) 0-3

b) 4-7

c) 8-14

d) 7-10

99. Which gas is responsible for the greenhouse effect on Earth?

a) Oxygen

b) Nitrogen

c) Carbon dioxide

d) Methane

100. What is the process of conversion of a liquid into vapor at its boiling point?

a) Condensation

b) Evaporation

c) Sublimation

d) Solidification

Avanthi Institute of Pharmaceutical Sciences Cherukupally (V), Bhogapuram Mandal



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES
(APPROVED BY A.I.C.T.E, P.C.I, New Delhi, RECOGNIZED BY THE GOVT. OF A.P. & AFFILIATED TO JNTU- KAKINDA)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162. www.avanthipharma.ac.in, principal@avanthipharma.ac.in

AVANTHI FREESHIPS QUALIFYING TEST

Department Name: Pharmacy	Date: 15 10 2020
,	Date: 15-10-2020
Name of the Student: P. Nagavar dhan	(67)
Avanthi Freeship No.: 20AFTPO81	(100)
Duration:180 min	Total Marks: 100
Tick the correct option for the following Multiple-C	
	Supplied State (Int.) - State Characteristic Materials
In which medium do sound waves travel the fastest? Air	
a) Air b) Water	
c) Steel	
d) Vacuum	
2. What type of lens converges light rays to a single point?	
a) Concave	
b) Convex	
c) Diverging	
d) Plano-concave	
Which material is a good conductor of electricity?	
a) Rubber	
b) Glass	
(Copper	
d) Wood	
4. 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	2
c) Both pieces lose magnetism	
d) The magnetic field remains the same	
What is the first law of thermodynamics also known as?a) Taw of Conservation of Energy	
b) Boyle's Law	
c) Charles's Law	
d) Avogadro's Law	
6. Which particle has a positive charge?	
Proton	
b) Neutron	
c) Electron	
d) Photon	1
7. What phenomenon is explained by Einstein's theory of relativity?	1
a) Photoelectric effect	PRINCIPAL
Doppler effect	Avanthi Institute of Pharmaceutical Science
c) Itemtons laws of motion	
Partie	Cherukupally (V), Bhogapuram Manda Vizianagaram Dt., - 531162
8. What is the principle behind a hydraulic lift?	Vizianagaram Dt., - 93 1162

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(APPROVED BY A.I.C.T.E, P.C.I, New Delhi, RECOGNIZED BY THE GOVT. OF A.P. & AFFILIATED TO JNTU- KAKINDA)

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

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

	ascal's principle	
b) B	ernoulli's principle	
c) A	rchimedes' principle	
d) Be	oyle's law	
9. What is the	he force that tends to pull all objects with mass toward	d one another?
	lectromagnetic force	
b) G:	ravitational force	
e) St	trong nuclear force	
	Veak nuclear force	
10. What is the	he unit of measurement for electrical potential differen	nce?
a) V		
b) No	ewtons	
c) Jo	oules	
d) At	mperes	
11. In medica	al imaging, which type of radiation is commonly used	for X-rays?
	lpha radiation	*
b) Be	eta radiation	
(c) G	amma radiation	
12. What sub	atomic particle is responsible for the chemical propert	ties of an element?
a) Pr		
b) El	ectron	
c) No	eutron	
d) Po	ositron	
13. Which typ	pe of bond is formed by the sharing of electrons between	een two nonmetals?
a) Io		
b) Co	ovalent	
c) M	etallic	
d) Po	olar	
14. What is th	ne SI unit of force?	
a) Jo	ule	
b) No	ewton	
c) W	att	
d) Pa	scal	
15. In which g	group of the periodic table would you find the alkali n	netals?
a) Gr	roup 1	
b) Gr		
	roup 17	
d) Gr	roup 18	
16. At what te	emperature does water boil at standard atmospheric pr	ressure?
a) 0°0		
b) 10	0°C	
c) -27	73°C	
d) 37	3 K	
17. What is th	ne balanced chemical equation for the reaction betwee	n hydrogen and oxygen to form
water?		700
a) H2	2 + O2 → H2O	PRINCIPAL
b) 2H	$H2 + O2 \rightarrow 2H2O$	
c) H2	$2O \rightarrow H2 + O2$	Avanthi Institute of Pharmaceutical Sciences
	3/5/	Cherukupally (V), Bhogapuram Mandal
	Avanthi Institute of Pharmaceutical	
Availab motitude of Final maceutical Sciences		

(APPROVED BY A.I.C.T.E, P.C.I, New Delhi, RECOGNIZED BY THE GOVT. OF A.P. & AFFILIATED TO JNTU- KAKINDA) Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162. www.avanthipharma.ac.in, principal@avanthipharma.ac.in

D:2005	
d)	$2H2O \rightarrow 2H2 + O2$
The second of th	of the following is a strong acid?
	Acetic acid (CH3COOH)
	Hydrochloric acid (HCl)
	Citric acid (C6H8O7)
	Carbonic acid (H2CO3)
	does the rate of a chemical reaction depend on?
a)	Temperature only
b)	Concentration of reactants only
	Both temperature and concentration of reactants
	Pressure only
	functional group is present in aldehydes but not in ketones?
27	Carbonyl
	Hydroxyl
(2)(0)	Carboxyl
	Amine
	py is a measure of a system's:
	Heat content
	Volume
	Pressure
	Entropy
	particle is emitted during beta decay?
	Electron
	Proton Neutron
	Positron
the same of the sa	of the following is an example of a hinge joint in the human body?
	Shoulder joint
	Hip joint /
	Knee joint
	Elbow joint
	s the main function of DNA in living organisms?
	Energy storage
	Enzyme production
	Genetic information storage
	Protein synthesis
And the second s	s the basic unit of the nervous system responsible for transmitting signals?
	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? herukupally (V), Bhogapuram Mandal

Avanthi Institute of Pharmaceutical Sciences

Vizianagaram Dt., - 531162

ESTD: 2005

a) Cell division b) Cell mutation

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES
(APPROVED BY A.I.C.T.E, P.C.I, New Delhi, RECOGNIZED BY THE GOVT. OF A.P. & AFFILIATED TO JNTU- KAKINDA)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162. www.avanthipharma.ac.in, principal@avanthipharma.ac.in

350	Cell denydration
	Cell enlargement
28. What is	s the principle behind gel electrophoresis, a technique used in genetic research?
a)	Magnetic force
b)	Centrifugal force
(2)	Electric field
	Gravitational force
	of the following organs is primarily responsible for regulating blood pressure?
	Liver
	Kidneys
	Heart
	Lungs
	naging technique uses magnetic fields and radio waves to generate detailed images of the
	structures of the body?
	X-ray
	Ultrasound
	MRI (Magnetic Resonance Imaging)
	PET scan (Positron Emission Tomography)
	of the following is a characteristic of arachnids?
	Three pairs of legs
	Antennae
	Four pairs of legs
	Soft body
	brates, what structure is responsible for oxygen exchange in the lungs?
53.00	Bronchi
MARY	Alveoli
	Trachea
Section Red Date St. Mc	Diaphragm
33. Which I	phylum includes animals with radial symmetry and stinging cells?
a)]	Mollusca
b) 1	Porifera
e) (Cnidaria
d) .	Annelida
34. What is	the scientific term for an instinctive, stereotypical behavior pattern displayed by animals in
	e to specific stimuli?
a)]	Habituation
	Conditioning
	Reflex
	Fixed action pattern
	delian genetics, which of the following is a homozygous genotype?
	Aa
b) 1	
d) 2	Tally State 1977 State 1971 Annual to Supply Defended
u) 1	Cherukupally (V), Bhogapuram Manda
36 Which o	gland is often referred to as the "master gland" because it regulates other endocrine grands?
Jo. Willell E	Grand is often referred to as the inflator grand occause it regulates office endocrine grands?
	4.7.4.4.000
	Avanthi Institute of Pharmaceutical Sciences

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES
(APPROVED BY A.I.C.T.E, P.C.I, New Delhi, RECOGNIZED BY THE GOVT. OF A.P. & AFFILIATED TO JNTU- KAKINDA)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162. www.avanthipharma.ac.in, principal@avanthipharma.ac.in

D 1 2000			
a)	Thyroid gland		
	Adrenal gland		
1000	Pancreas		
dr	Pituitary gland		
	is the primary function of the	e antennae in insects?	
	Locomotion		
	Sensory perception		
	Reproduction	. 2	
	Defense		
38. Which	level of ecological organiza	ition includes all living organi	isms in a particular area along with
	hysical environment?		
a)	Population		
b)	Community	~	
c)	Ecosystem		
	Biosphere		
39. In man	nmals, what is the name of the	he fertilized egg before it imp	lants into the uterine wall?
	Blastula		
_b)	Morula		
c)	Zygote	L	
d)	Blastocyst		
40. Which	neurotransmitter is common	nly associated with mood regu	lation and is often targeted by
	pressant medications?		
a)	Serotonin		
	Dopamine		
c)	Acetylcholine		
d)	GABA (Gamma-aminobuty	ric acid)	
		energy production in a eukary	votic cell?
	Golgi apparatus		
	Endoplasmic reticulum		
	Mitochondrion		
d)	Nucleus		
40 777	1		
		ms of a gene at a specific locu	is?
	Allele		
	Chromatid		
1000	Homolog		
	Zygote	31.6.6	1
		consible for fermentation in the	ne production of bread and beer?
	Bacteria		
	Fungi		1
	Virus		722
	Algae	Cal Capulov Q	PRINCIPAL
	ial skeleton includes which o	of the following!	Avanthi Institute of Pharmaceutical Sciences
	Arms and legs	Wales Wales	
	Skull and vertebral column		Cherukupally (V), Bhogapuram Mandal
	Pelvis and ribs		Vizianagaram Dt., - 531162
a)	Hands and feet	a see	



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES (APPROVED BY A.I.C.T.E, P.C.I, New Delhi, RECOGNIZED BY THE GOVT. OF A.P. & AFFILIATED TO JNTU-KAKINDA) Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162. www.avanthipharma.ac.in, principal@avanthipharma.ac.in

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 respons	e and the production of antibodies?
		T cells	
		B cells	
	40	Natural killer cells	
		Macrophages	
47.		is the function of hemoglobin in red blood cells?	
87.53		Oxygen transport	
		Nutrient absorption	
		Waste elimination	
	-	Enzyme production	
18		level of ecological organization involves the interacti	one between different appaies in a
40.		c area?	ons between different species in a
		Population	
		Community	
	100	Ecosystem	
10		Biosphere	1 1 1:1:
49.		s the purpose of polymerase chain reaction (PCR) in r	nolecular biology?
		DNA sequencing	
		DNA replication	
		Gene cloning	
		Protein synthesis	
50.		part of the brain is responsible for coordinating volum	tary muscle movements and maintaining
	balanc		
		Cerebrum	
		Cerebellum	
		Medulla oblongata	
		Thalamus	
51.	In which	ch plant tissue does photosynthesis primarily occur?	
	a)	Epidermis	
	b)	Xylem	
	(0)	Phloem	
	d)	Mesophyll	
52.	What i	s the primary function of the stomata in plant leaves?	
	a)	Photosynthesis	
	by	Transpiration	
	(c)	Respiration	A.
	d)	Absorption	PRINCIPAL
53.		of the following is a non-vascular plant?	Avanthi Institute of Pharmaceutical Sciences
		Fern	
	bir	Moss	Cherukupally (V), Bhogapuram Mandal
	(c)	Pine	Vizianagaram Dt., - 531162
		Orchid	
54.		term refers to plants that complete their life cycle in a	single growing season?
		The state of the s	0.0

ESTD: 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES
(APPROVED BY A.I.C.T.E, P.C.I, New Delhi, RECOGNIZED BY THE GOVT, OF A.P. & AFFILIATED TO JNTU-KAKINDA)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.

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

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES
(APPROVED BY A.I.C.T.E, P.C.I, New Delhi, RECOGNIZED BY THE GOVT. OF A.P. & AFFILIATED TO JNTU- KAKINDA)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.

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

c) Aves	
d) Reptilia 64. What is the primary characteristic of arthropods?	
a) Soft bodies	
b) Radial symmetry 1	
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?	į
a) 2	
b) 4	
c) 8	
d) 16	
68. Which of the following insects undergoes complete metamorphosis?	
a) Ant	
b) Grasshopper	
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	
Blastula	
d) Zygote	
70. Which organ is responsible for filtering and removing waste products from the blood?	
a) Liver	
b) Kidney	
c) Heart	
d) Lungs	
71. The respiratory system is responsible for the exchange of gases. Which gas is primarily taken in	
during inhalation?	
a) Carbon dioxide	
b) Nitrogen e) Oxygen PRINCIPAL	
The state of the s	
d) Hydrogen Avanthi Institute of Pharmaceutical Sci	ences
72. The human brain is divided into how many main parts 12.	
a) 1wo	muan
b) Thece	
e) Four	

STD: 2005	AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES (APPROVED BY A.I.C.T.E, P.C.I, New Delhi, RECOGNIZED BY THE GOVT. OF A.P. & AFFILIATED TO JNTU- KAKINDA) Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162. www.avanthipharma.ac.in, principal@avanthipharma.ac.in
d)	Five
73. What i	s the main function of the digestive system?
	Pump blood
bY	Break down and absorb nutrients
c)	Filter waste from the blood
d)	Exchange gases
	hormone is responsible for regulating blood sugar levels in the body?
at	Insulin
b)	Thyroxine
c)	Estrogen
,	Testosterone
	of the following is a primary function of leaves in plants?
	tosynthesis
	er absorption
	t anchorage

- b) Transpiration c) Respiration d) Absorption
- 77. Which plant hormone is responsible for promoting cell elongation and growth, especially in the stems?
 - a) Gibberellin
 - b) Auxin
 - c) Cytokinin
 - d) Abscisic acid
- 78. In plant reproduction, what is the male gamete called?
 - a) Ovule
 - b) Pollen
 - c) Seed
 - d) Embryo
- 79. The outermost layer of a plant root that absorbs water and nutrients is called:
 - a) Cortex
 - b) Epidermis
 - c) Xylem
 - d) Phloem
- 80. Which part of a flower develops into a fruit after fertilization?
 - a) Stamen
 - b) Pistil
 - Petal
 - d) Sepal

81. 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

Avanthi Institute of Pharmaceutical Sciences herukupally (V), Bhogapuram Mandal

ESTD: 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(APPROVED BY A.I.C.T.E, P.C.I, New Delhi, RECOGNIZED BY THE GOVT. OF A.P. & AFFILIATED TO JNTU- KAKINDA)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.

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

82. Which process involves the fusion of male and female gametes to form a zygote in plants?

a) Germination			
b) Fertilization			
c) Pollination			
d) Translocation			
83. Which of the following is a function of the phloem in plants?			
a) Water transport			
b) Nutrient storage			
e) Food transport			
d) Mechanical support			
84. What is the specialized region of a stem where leaves are attached?			
a) Node			
b) Internode			
c) Axil			
d) Apical meristem			
85. Which part of the brain is responsible for coordinating motor movements and balance?			
a) Cerebrum			
b) Cerebellum			
e) Medulla oblongata			
d) Thalamus			
86. What is the primary function of the mitochondria in a cell?			
a) Photosynthesis			
b) Cellular respiration			
c) DNA replication			
d) Protein synthesis			
87. Which organelle is responsible for detoxifying harmful substances in the liver cells?			
a) Golgi apparatus			
b) Endoplasmic reticulum			
c) Lysosome			
d) Peroxisome			
88. The process by which green plants convert light energy into chemical energy is called:			
a) Glycolysis b) Osmosis			
c) Photosynthesis			
Fermentation			
89. Which of the following is a biotic factor in an ecosystem?			
a) Temperature			
b) Water availability			
Plants			
d) Soil composition			
90. In human anatomy, the ulna is a bone located in which part of the body?			
a) Leg			
b) Arm			
c) Skull PRINCIPAL			
d) Spine 91. The SI unit of electric current is: Avanthi Institute of Pharmaceutical Sciences			
a) Volt Cherukupally (V), Bhogapuram Mandal			
b) Ampere Vizianagaram Dt., - 531162			
Avanthi Institute of Pharmaceutical Sciences			

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES
(APPROVED BY A.I.C.T.E, P.C.I, New Delhi, RECOGNIZED BY THE GOVT. OF A.P. & AFFILIATED TO JNTU-KAKINDA)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.

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

TD:2005	42 20 20 20 20 20 20 20 20 20 20 20 20 20	182 pt. 100 pt. 1944 pt. 1950 pt. 100
c) Ohm		
d) Watt		
	of conservation of energy?	
	cannot be created or destroyed, only	transformed
	always flows from hot to cold object	
	l energy of a system increases with	
	is directly proportional to mass	
	llowing is a vector quantity?	
a) Speed	no mag is a votor quantity.	
b) Distance		
c) Accelera		
d) Mass		
The state of the s	ewton's third law of motion, for ever	ry action, there is an equal and opposite:
a) Force	on total value and of the order	y assisti, are to air squar and opposite.
b) Reaction	1	
c) Accelera		
d) Moment		
95. What is the SI u		
a) Newton		
b) Joule	<i>*</i>	
c) Watt	2	
d) Pascal		
	is essential for all organic compound	ds?
a) Hydroge		
b) Carbon		
c) Oxygen	•	
d) Nitrogen	ı	
and the second s	nical symbol for gold?	
a) Au		
b) Ag	,	
c) Fe	d	
d) Hg		
98. What is the pH r	range for acidic solutions?	
a) 0-3		
b) 4-7		
c)-8-14	2	
d) 7-10		
99. Which gas is res	ponsible for the greenhouse effect of	n Earth?
_a} Oxygen		
b) Nitrogen		
c) Carbon d	lioxide \angle	
d) Methane		
100. What is t	he process of conversion of a liquid	into vapor at its boiling point?
a) Condens	ation	
b) Evaporat		PRINCIPAL
c) Sublimat		PRINCIPAL
d) Solidifica	ation	Avanthi Institute of Pharmaceutical Sciences
	TANAGAR DE	Cherukupally (V), Bhogapuram Mandal
	1 and a management	/ Dilugapulam Manaal



(APPROVED BY A.I.C.T.E, P.C.I, New Delhi, RECOGNIZED BY THE GOYT, OF A.P. & AFFILIATED TO JNTU- KAKINDA) Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162. www.avanthipharma.ac.in, principal@avanthipharma.ac.in

AVANTHI FREESHIPS QUALIFYING TEST	
Department Name: Pharmacy	Date: 15-10-2020
Name of the Student: V. PAVANI	/U8")
Avanthi Freeship No.: 20AFTP0023	(100)
Duration:180 min Tick the correct option for the following	Total Marks:100 ng Multiple-Choice Questions
 In which medium do sound waves travel the fastest a) Air b) Water c) Steel 	?
d) Vacuum 2. What type of lens converges light rays to a single portion a) Concave b) Convex c) Diverging d) Plano-concave	oint?
3. Which material is a good conductor of electricity? a) Rubber b) Glass Copper d) Wood	
 4. What happens to the magnetic field when you break a) Both pieces become new magnets b) One piece becomes a magnet, the other loses c) Both pieces lose magnetism d) The magnetic field remains the same 	
5. What is the first law of thermodynamics also known a) Law of Conservation of Energy b) Boyle's Law o) Charles's Law d) Avogadro's Law	ı as?
6. Which particle has a positive charge?a) Proton	*

b) Neutron

c) Electron

d) Photon

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

a) Photoelectric effect

b) Doppler effect

c) Newton's laws of motion

d) Archimedes' principle

8. What is the principle behind a hydraulic lift?

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

a) Pascal's principle

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES
(APPROVED BY A.I.C.T.E, P.C.I, New Delhi, RECOGNIZED BY THE GOVT. OF A.P. & AFFILIATED TO JNTU- KAKINDA)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.

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

b) Bernoulli's principle	
c) Archimedes' principle	
d) Boyle's law	
	th
9. What is the force that tends to pull all objects wi	in mass toward one another?
a) Electromagnetic force	
b) Gravitational force	
c) Strong nuclear force	
d) Weak nuclear force	
10. What is the unit of measurement for electrical po	otential difference?
a) Volts	
b) Newtons	
c) Joules	
d) Amperes	
11. In medical imaging, which type of radiation is co	ommonly used for X-rays?
a) Alpha radiation	
b) Beta radiation	
c) Gamma radiation	
12. What subatomic particle is responsible for the ch	emical properties of an element?
a) Proton	officer properties of an element:
b) Electron	
c) Neutron	
d) Positron	1
13. Which type of bond is formed by the sharing of	electrons between two nonmetals?
a) Ionic	
b) Covalent	
c) Metallic	20
d) Polar	
14. What is the SI unit of force?	
a) Joule	
b) Newton	
c) Watt	
d) Pascal	
15. In which group of the periodic table would you f	nd the alkali metals?
a) Group 1	
b) Group 2	
c) Group 17	
d) Group 18	
16. At what temperature does water boil at standard a	atmospheric pressure?
a) 0°C	unospiteite pressure:
b) 100°C	
c) -273°C	
d) 373 K	
17. What is the balanced chemical equation for the re-	action between hydrogen and oxygen to form
water?	13 M
a) $H2 + O2 \rightarrow H2O$	PRINCIPAL
b) 2H2 + O2 → 2H2O	Avanthi Institute of Pharmaceutical Sciences
c) H2O → H2 + O2	1132
,	Cherukupally (V), Bhogapuram Mandal
Avanthi Institute of Phar	maceutical Sciences

(APPROVED BY A.I.C.T.E, P.C.I, New Delhi, RECOGNIZED BY THE GOVT. OF A.P. & AFFILIATED TO JNTU-KAKINDA) Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162. www.avanthipharma.ac.in, principal@avanthipharma.ac.in

47	α		OLIO	-1.	00
u)	2H2O	\rightarrow	ZIZ	T	U2

- 18. Which of the following is a strong acid?
 - a) Acetic acid (CH3COOH)
 - b) Hydrochloric acid (HCl)
 - c) Citric acid (C6H8O7)
 - d) Carbonic acid (H2CO3)
- 19. What does the rate of a chemical reaction depend on?
 - a) Temperature only
 - b) Concentration of reactants only
 - c) Both temperature and concentration of reactants
 - d) Pressure only
- 20. Which functional group is present in aldehydes but not in ketones?
 - a) Carbonyl
 - b) Hydroxyl
 - e) Carboxyl
 - d) Amine
- 21. Enthalpy is a measure of a system's:
 - a) Heat content
 - b) Volume
 - c) Pressure
 - d) Entropy
- 22. What particle is emitted during beta decay?
 - Electron
 - b) Proton
 - c) Neutron
 - d) Positron
- 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
 - e) 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? Cherukupally (V), Bhogapuram Mandal

Avanthi Institute of Pharmaceutical Sciences

Vizianagaram Dt., - 531162

a) Cell division b) Cell mutation

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES
(APPROVED BY A.I.C.T.E, P.C.I, New Delhi, RECOGNIZED BY THE GOVT. OF A.P. & AFFILIATED TO JNTU- KAKINDA)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162. www.avanthipharma.ac.in, principal@avanthipharma.ac.in

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
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?
à X-ray
b) Ultrasound
e) 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 PRINCIPAL
The state of the s
d) AB Cherukupally (V), Bhogapuram Mano
Vizianagaram Dt., - 531162
36. Which gland is often referred to as the "master gland" because it regulates other endocrine glands?

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(APPROVED BY A.I.C.T.E, P.C.I, New Delhi, RECOGNIZED BY THE GOVT, OF A.P. & AFFILIATED TO JNTU- KAKINDA)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.

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

- 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
 - 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

PRINCIPAL PROPERTY OF THE PROP

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

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES
(APPROVED BY A.I.C.T.E, P.C.I, New Delhi, RECOGNIZED BY THE GOVT. OF A.P. & AFFILIATED TO JNTU- KAKINDA)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162. www.avanthipharma.ac.in, principal@avanthipharma.ac.in

45. What is the primary function of the stomata in plan	nt leaves?
a) Photosynthesis	
b) Transpiration	
c) Respiration	
d) Absorption	
46. Which cells are responsible for the specific immur	e response and the production of antibodies?
a) T cells	
b) B cells	
c) Natural killer cells	
d) Macrophages	
47. What is the function of hemoglobin in red blood or	ells?
 a) Oxygen transport 	
b) Nutrient absorption	
c) Waste elimination	
d) Enzyme production	
48. Which level of ecological organization involves th	e interactions between different species in a
specific area?	1
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 coordinate	ing voluntary muscle movements and maintaining
balance?	S vormany moved me vonemo una mamaning
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 plan	t leavee?
a) Photosynthesis	t leaves:
b) Transpiration	1
c) Respiration	PRINCIPAL
d) Absorption	
53. Which of the following is a non-vascular plant?	Avanthi Institute of Pharmaceutical Science
a) Fern	Cherukupally (V), Bhogapuram Mand
b) Moss	Vizianagaram Dt., - 531162
c) Pine	Visital Control of the Control of th
d) Orchid	
54. Which term refers to plants that complete their life	ovela in a cingle graving seesen?
5 1. Which term refers to plants that complete meir me	cycle in a single growing season?

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(APPROVED BY A.I.C.T.E, P.C.I, New Delhi, RECOGNIZED BY THE GOVT. OF A.P. & AFFILIATED TO JNTU- KAKINDA) Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.

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

- 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
- 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 wanthi Institute of Pharmaceutical Sciences
 - a) Amphibia
 - b) Mammalia

PRINCIPAL

Cherukupally (V), Bhogapuram Mandal Vizianagaram Dt., - 531162

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(APPROVED BY A.I.C.T.E, P.C.I, New Delhi, RECOGNIZED BY THE GOVT. OF A.P. & AFFILIATED TO JNTU- KAKINDA)

Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162. www.avanthipharma.ac.in, principal@avanthipharma.ac.in

c) Aves	
A) 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	
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 organ is responsible for filtering and removing waste products from the blood?	
a) Liver	
b) Kidney	
c) Heart	
d) Lungs	
71. The respiratory system is responsible for the exchange of gases. Which gas is primarily taken in	
during inhalation?	
a) Carbon dioxide	
b) Nitrogen	
Oxygen PRINCIPAL	
d) Hydrogon	
72. The human brain is divided into how many main parts? Avanthi Institute of Pharmaceutical Scient	ces
Two Cherukupally (V), Bhogapuram Mand	ia
b) Three	
c) Four	

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, P.C.I, New Delhi, RECOGNIZED BY THE GOVT. OF A.P. & AFFILIATED TO JNTU- KAKINDA)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.

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

11	77.
41	H1370
111	LIVE
d)	Five

73.	What	is	the	main	function	of th	ne (digestive system?	
-----	------	----	-----	------	----------	-------	------	-------------------	--

- a) Pump blood
- b) Break down and absorb nutrients
- c) Filter waste from the blood
- d) Exchange gases
- 74. Which hormone is responsible for regulating blood sugar levels in the body?
 - a) Insulin
 - b) Thyroxine
 - c) Estrogen
 - d) Testosterone
- 75. Which of the following is a primary function of leaves in plants?
 - a) Photosynthesis
 - b) Water absorption
 - c) Root anchorage
 - d) Reproduction
- 76. 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
- 77. Which plant hormone is responsible for promoting cell elongation and growth, especially in the stems?
 - a) Gibberellin
 - b) Auxin
 - c) Cytokinin
 - d) Abscisic acid
- 78. In plant reproduction, what is the male gamete called?
 - a) Ovule
 - b) Pollen
 - c) Seed
 - d) Embryo
- 79. The outermost layer of a plant root that absorbs water and nutrients is called:
 - a) Cortex
 - b) Epidermis
 - c) Xylem
 - d) Phloem
- 80. Which part of a flower develops into a fruit after fertilization?
 - a) Stamen
 - b) Pistil
 - c) Petal
 - d) Sepal
- 81. 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

Avanthi Institute of Pharmaceutical Sciences

Cherukupally (V), Bhogapuram Mandal

Avanthi Institute of Pharmaceutical Sciences Vizianagaram Dt., - 531162

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(APPROVED BY A.I.C.T.E, P.C.I, New Delhi, RECOGNIZED BY THE GOVT. OF A.P. & AFFILIATED TO JNTU- KAKINDA)

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

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

82. Which process involves the fusion of male and female gametes to form a zygote in plants?	
a) Germination	
b) Fertilization	
c) Pollination	
d) Translocation	
83. Which of the following is a function of the phloem in plants?	
a) Water transport	
b) Nutrient storage	
c) Food transport	
d) Mechanical support	
84. What is the specialized region of a stem where leaves are attached?	
a) Node	
b) Internode	
c) Axil	
d) Apical meristem	
85. Which part of the brain is responsible for coordinating motor movements and balance?	
a) Cerebrum	
b) Cerebellum	
c) Medulla oblongata	
d) Thalamus	
86. What is the primary function of the mitochondria in a cell?	
a) Photosynthesis	
b) Cellular respiration	
c) DNA replication	
d) Protein synthesis	
87. Which organelle is responsible for detoxifying harmful substances in the liver cells?	
a) Golgi apparatus	
b) Endoplasmic reticulum	
c) Lysosome	
d) Peroxisome	
88. The process by which green plants convert light energy into chemical energy is called:	
a) Glycolysis	
b) Osmosis	
c) Photosynthesis	
d) Fermentation	
89. Which of the following is a biotic factor in an ecosystem?	
a) Temperature	
b) Water availability	
c) Plants	
d) Soil composition	
90. In human anatomy, the ulna is a bone located in which part of the body?	
a) Leg	
b) Arm	
c) Skull PRINCIPAL	
d) Spine Avanthi Institute of Pharmacoutical	Λ.
d) Spine 91. The SI unit of electric current is: Avanthi Institute of Pharmaceutical	Sciences
Volt	
b) Ampere Virianagaram Dt., - 53116	2
	- W
Avanthi Institute of Pharmaceutical Sciences	

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(APPROVED BY A.I.C.T.E, P.C.I, New Delhi, RECOGNIZED BY THE GOVT. OF A.P. & AFFILIATED TO JNTU- KAKINDA)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.

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

- c) Ohm
- d) Watt
- 92. 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
- 93. Which of the following is a vector quantity?
 - a) Speed
 - b) Distance
 - c) Acceleration
 - d) Mass
- 94. 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
- 95. What is the SI unit of force?
 - a) Newton
 - b) Joule
 - c) Watt
 - d) Pascal
- 96. Which element is essential for all organic compounds?
 - a) Hydrogen
 - b) Carbon
 - e) Oxygen
 - d) Nitrogen
- 97. What is the chemical symbol for gold?
 - a) Au
 - b) Ag
 - c) Fe
 - d) Hg
- 98. What is the pH range for acidic solutions?
 - a) 0-3
 - b) 4-7
 - c) 8-14
 - d) 7-10
- 99. Which gas is responsible for the greenhouse effect on Earth?
 - a) Oxygen
 - b) Nitrogen
 - c) Carbon dioxide
 - d) Methane
- 100. What is the process of conversion of a liquid into vapor at its boiling point?
 - a) Condensation
 - b) Evaporation
 - c) Sublimation
 - d) Solidification

O DERES

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



(APPROVED BY A.I.C.T.E, P.C.I, New Delhi, RECOGNIZED BY THE GOVT. OF A.P. & AFFILIATED TO JNTU-KAKINDA)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.

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

AVANTHI FREESHIPS QUALIFYING TEST

Department Name: Pharmacy	
---------------------------	--

Name of the Student: A nandhing

Avanthi Freeship No.: 20AFTP 009

Duration:180 min

Total Marks:100

Date: 15-10-2020

Tick the correct option for the following Multiple-Choice Questions

- 1. In which medium do sound waves travel the fastest?
 - a) Air
 - b) Water
 - c) Steel
 - Vacuum
- 2. What type of lens converges light rays to a single point?
 - a) Concave
 - b) Convex
 - c) Diverging
 - d) Plano-concave
- 3. Which material is a good conductor of electricity?
 - a) Rubber
 - b) Glass
 - Copper
 - d) Wood
- 4. 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
- 5. What is the first law of thermodynamics also known as?
 - 2) Law of Conservation of Energy
 - b) Boyle's Law
 - c) Charles's Law
 - d) Avogadro's Law
- 6. Which particle has a positive charge?
 - a) Proton
 - 15) Neutron
 - c) Electron
 - d) Photon
- 7. What phenomenon is explained by Einstein's theory of relativity?
 - a) Photoelectric effect
 - b) Doppler effect
 - c) Newton's laws of motion
 - d) Archimedes' principle
- 8. What is the principle behind a hydraulic lift?

PRINCIPA

Avanthi Institute of Pharmaceutical Sciences

Cherukupaliy (V), Bhogapuram Mandal

Vizianagaram Dt., - 531162

Avanthi Institute of Pharmaceutical Sciences

	(APPROVED BY A.I.C.T.E, P.C.I, New Delhi, RECOGNIZED BY THE GOVT. OF A.P. & AFFILIATED TO JNTU- KAKINDA) Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.
-	www.avanthipharma.ac.in, principal@avanthipharma.ac.in
ESTD: 2005	and the second s
2	Pascal's principle
b)	Bernoulli's principle
	Archimedes' principle
) Boyle's law
	is the force that tends to pull all objects with mass toward one another?
	Electromagnetic force
	Gravitational force
,	Strong nuclear force
	Weak nuclear force
	is the unit of measurement for electrical potential difference?
	Volts
	Newtons ·
	Joules
	Amperes
	dical imaging, which type of radiation is commonly used for X-rays?
	Alpha radiation
	Beta radiation
	Gamma radiation
	subatomic particle is responsible for the chemical properties of an element?
	Proton
	Electron
	Neutron
	Positron
rances and are all the	h type of bond is formed by the sharing of electrons between two nonmetals?
	Jonic
	Covalent
	Metallic
	Polar
	is the SI unit of force?
a)	Newton
(ط	Watt
4)	Pascal
	ich group of the periodic table would you find the alkali metals?
	Group 1
	Group 2
	Group 17
	Group 18
	at temperature does water boil at standard atmospheric pressure?
	0°C
	100°C
c)	-273°C
,	373 K
	Zeon manages 1
water?	is the balanced chemical equation for the reaction between hydrogen and oxygen to form
	112 1 02 1 1120
	2H2 + O2 → 2H2O Avanthi Institute of Pharmaculi
	The state of Figure 2011 and California Cali
c)	H2O → H2 + O2 Cherukupally (V) Bhogas

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(APPROVED BY A.I.C.T.E, P.C.I, New Delhi, RECOGNIZED BY THE GOVT. OF A.P. & AFFILIATED TO JNTU- KAKINDA)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.

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

d)	2H2O	\rightarrow 2H2 +	02

- 18. Which of the following is a strong acid?
 - a) Acetic acid (CH3COOH)
 - b) Hydrochloric acid (HCl)
 - c) Citric acid (C6H8O7)
 - d) Carbonic acid (H2CO3)
- 19. What does the rate of a chemical reaction depend on?
 - a) Temperature only
 - b) Concentration of reactants only
 - e) Both temperature and concentration of reactants
 - d) Pressure only
- 20. Which functional group is present in aldehydes but not in ketones?
 - a) Carbonyl
 - b) Hydroxyl
 - c) Carboxyl
 - d) Amine
- 21. Enthalpy is a measure of a system's:
 - a) Heat content
 - b) Volume
 - c) Pressure
 - d) Entropy
- 22. What particle is emitted during beta decay?
 - a) Electron
 - b) Proton
 - c) Neutron
 - d) Positron
- 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
 - e) 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
 - e) Conductance
 - d) Capacitance

27. What is the primary effect of ionizing radiation on living cells?

PRINCIPAL

Avanthi Institute of Pharmaceutical Sciences
Cherukupally (V), Bhogapuram Mandal

Vizianagaram Dt., - 531162

a) Cell division

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES
(APPROVED BY A.I.C.T.E, P.C.I, New Delhi, RECOGNIZED BY THE GOVT. OF A.P. & AFFILIATED TO JNTU- KAKINDA)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.

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

b) Cell mutation	
c) Cell dehydration	
d) Cell enlargement	
28. What is the principle behind gel electrophoresis, a technique used in ger	netic research?
a) Magnetic force	
b) Centrifugal force	
c) Electric field	
d) Gravitational force	
29. Which of the following organs is primarily responsible for regulating blo	ood pressure?
a) Liver	()
b) Kidneys	
c) Heart	
d) Lungs	
30. What imaging technique uses magnetic fields and radio waves to genera	te detailed images of the
internal structures of the body?	
a) X-ray	
b) Ultrasound	
e) 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 l	ungs?
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 patte	rn displayed by animals in
response to specific stimuli?	and the play out by annihilation in
a) Habituation	
b) Conditioning	
c) Reflex	
d) Fixed action pattern	
35. In Mendelian genetics, which of the following is a homozygous genotype	e? d
a) Aa	PRINCIPAL
	Institute of Pharmaceutical Sciences
A) A A	
d) AB Cherul	kupally (V), Bhogapuram Mandal
Contraction of the Contraction o	izianagaram Dt., - 531162
36. Which gland is often referred to as the "master gland" because it regulate	es other endocrine glands?
Same over the first the same of the same over the same of the same	one officerine grands;
AND THE RESIDENCE OF THE PROPERTY OF THE PROPE	

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(APPROVED BY A.I.C.T.E, P.C.I, New Delhi, RECOGNIZED BY THE GOVT. OF A.P. & AFFILIATED TO JNTU-KAKINDA)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.

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

- 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
 - e) 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
- 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
 - e) 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
- Pelvis and ribs
- d) Hands and feet

PRINCIPAL

Avanthi Institute of Pharmaceutical Sciences

Cherukupally (V), Bhogapuram Mandal

Vizianagaram Dt., - 531162

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(APPROVED BY A.I.C.T.E, P.C.I, New Delhi, RECOGNIZED BY THE GOVT. OF A.P. & AFFILIATED TO JNTU-KAKINDA)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.

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

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 respon	ase and the production of antibodies?
a) T cells	ise and the production of antibodies:
b) B cells	
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 interac	tions between different species in a
specific area?	tions between different species in a
a) Population	
b) Community	
The state of the s	
c) Ecosystem	
d) Biosphere	2 4 2000 1
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 volu	intary muscle movements and maintaining
balance?	,
a) Cerebrum	
b) Cerebellum	
e) Medulla oblongata	
d) Thalamus	
51. In which plant tissue does photosynthesis primarily occur?	
a) Epidermis	
b) Xylem	
e) Phloem	
d) Mesophyll	
52. What is the primary function of the stomata in plant leaves?	?
a) Photosynthesis	
b) Transpiration	and the same of th
c) Respiration	PRINCIPAL
d) Absorption	Avanthi Institute of Pharmaceutical Sciences
53. Which of the following is a non-vascular plant?	
a) Fern	Cherukupaliy (V), Bhogapuram Mandal
	Vizianagaram Dt., - 531162
b) Moss	
c) Pine	
d) Orchid	
54. Which term refers to plants that complete their life cycle in	a single growing season?
Avanthi Instituta of Pharmacoutic	10:

(APPROVED BY A.I.C.T.E, P.C.I, New Delhi, RECOGNIZED BY THE GOVT. OF A.P. & AFFILIATED TO JNTU-KAKINDA) Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.

STD: 2005	www.avanthipharma.ac.in, principal@avanthipharma.ac.in
a)	Annuals
	Perennials
c)	Biennials
d)	Shrubs
55. In plan	at breeding, what is hybrid vigor or heterosis?
	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?
	Gibberellins
_b)	Auxins
	Cytokinins
	Abscisic acid
	ype of organism causes Dutch Elm Disease, a common plant disease affecting elm trees?
· ·	Bacteria
	Fungi
	Virus
	Nematodes
	s the main function of mycorrhizae in plant roots?
	Photosynthesis
	Nutrient absorption
5.	Water storage
Control of the Contro	Reproduction
nutrien	s the outermost layer of cells in a young plant root responsible for absorbing water and
	Cortex
	Endodermis
	Epidermis
	Pericycle
	plant is the source of the drug aspirin?
	Willow
	Eucalyptus
50	Poppy
	Digitalis
61. In which	th organ of the digestive system are nutrients primarily absorbed into the bloodstream?
a)	Stomach
_b)	Small intestine
c)	Large intestine
d)	Liver
	the term for the innate behavior exhibited by animals in response to environmental cues?
/a)	Instinct
b)	Learning

d) Habituation

63. Which class do humans belong to in the classification of vertebrates?

a) Amphibia

Avanthi Institute of Pharmaceutical Sciences Cherukupally (V), Bhogapuram Mandal

Vizianagaram Dt., - 531162

c) Conditioning

d) Habituation

a) Amphibia

b) Mammalia

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES
(APPROVED BY A.I.C.T.E, P.C.I, New Delhi, RECOGNIZED BY THE GOYT. OF A.P. & AFFILIATED TO JNTU- KAKINDA)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162. www.avanthipharma.ac.in, principal@avanthipharma.ac.in

c) Aves		
d) Reptilia	_	
64. What is the primary characteri	stic of arthropods?	
a) Soft bodies		
b) Radial symmetry	~	
c) Jointed appendages		
d) Internal skeletons		
	-541-1	111 1. 1. 1 . 61 1 1 0
65. In vertebrates, which chamber	of the heart pumps oxygenat	ed 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 h	is studies on animal behavior	, particularly imprinting in birds?
 a) Jane Goodall 		
b) Konrad Lorenz	/	
 c) Nikolaas Tinbergen 		
d) Dian Fossey		
	different combinations of all	eles can be produced in the offspring?
a) 2		
b) 4		
c) 8		
d) 16		
68. Which of the following insects	undergoes complete metamo	mhogie?
a) Ant	undergoes complete metame	orphosis:
b) Grasshopper		
c) Butterfly		
d) Beetle		
	C 41	· · · · · · · · · · · · · · · · · · ·
	for the early developmental si	tage of an embryo when it is a hollow
ball of cells?		
a) Morula		
b) Blastocyst		
e) Blastula		
d) Zygote		
70. Which organ is responsible for	filtering and removing waste	e products from the blood?
a) Liver		
b) Kidney		
c) Heart		
d) Lungs		
71. The respiratory system is response	onsible for the exchange of ga	ses. Which gas is primarily taken in
during inhalation?		
a) Carbon dioxide		
b) Nitrogen		Y
e) Oxygen	1 32-13 War	PRINCIPAL
d) Hydrogen	1 (00000000000000000000000000000000000	PRINCIPAL
72. The human brain is divided into	o how many main parts?	Avanthi Institute of Pharmaceutical Sciences
a) Two	100000000000000000000000000000000000000	Cherukupally (V) Phase-
b) Three	TANAGARAM .	Cherukupally (V), Bhogapuram Mandal
c) Four		Vizianagaram Dt., - 531162
y 10m		

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(APPROVED BY A.I.C.T.E, P.C.I, New Delhi, RECOGNIZED BY THE GOVT. OF A.P. & AFFILIATED TO JNTU- KAKINDA)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.

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

- d) Five
- 73. 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
- 74. Which hormone is responsible for regulating blood sugar levels in the body?
 - a) Insulin
 - b) Thyroxine
 - c) Estrogen
 - d) Testosterone
- 75. Which of the following is a primary function of leaves in plants?
 - a) Photosynthesis
 - b) Water absorption
 - c) Root anchorage
 - d) Reproduction
- 76. 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
- 77. Which plant hormone is responsible for promoting cell elongation and growth, especially in the stems?
 - a) Gibberellin
 - b) Auxin
 - c) Cytokinin
 - d) Abscisic acid
- 78. In plant reproduction, what is the male gamete called?
 - a) Ovule
 - by Pollen
 - c) Seed
 - d) Embryo
- 79. The outermost layer of a plant root that absorbs water and nutrients is called:
 - a) Cortex
 - b) Epidermis
 - c) Xylem
 - d) Phloem
- 80. Which part of a flower develops into a fruit after fertilization?
 - a) Stamen
 - b) Pistil
 - c) Petal
 - d) Sepal

81. What is the term for the opening and closing of stomata in plant leaves to regulate gas exchange?

- a) Photosynthesis
- b) Transpiration
- e) Phototropism
- d) Guard cell movement

X

PRINCIPAL

Avanthi Institute of Pharmaceutical Sciences

Cherukupally (V), Bhogapuram Mandal

Avanthi Institute of Pharmaceutical Sciences Vizianagaram Dt., - 531162

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES
(APPROVED BY A.I.C.T.E, P.C.I, New Delhi, RECOGNIZED BY THE GOYT. OF A.P. & AFFILIATED TO JNTU- KAKINDA)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162. www.avanthipharma.ac.in, principal@avanthipharma.ac.in

82. Which process involves the fusion of male and female gametes to form a zygote in plants?

a) Germination		
b) Fertilization		
c) Pollination		
d) Translocation	0.1 11 1 1	0
83. Which of the following is a function	of the phloem in plants	?
a) Water transport		
b) Nutrient storage		
c) Food transport		
d) Mechanical support		1 10
84. What is the specialized region of a st	tem where leaves are att	ached?
a) Node		
b) Internode		
c) Axil		
d) Apical meristem	71 71 828 1531 55	
85. Which part of the brain is responsibl	e for coordinating motor	r movements and balance?
a) Cerebrum	1	
b) Cerebellum	2	
c) Medulla oblongata		
A) Thalamus		
86. What is the primary function of the r	nitochondria in a cell?	
a) Photosynthesis		
b) Cellular respiration		
c) DNA replication	d	
d) Protein synthesis		
87. Which organelle is responsible for de	etoxifying harmful subst	tances in the liver cells?
a) Golgi apparatus		
b) Endoplasmic reticulum		
c) Lysosome		
d) Peroxisome		
88. The process by which green plants co	onvert light energy into	chemical energy is called:
a) Glycolysis		
b) Osmosis		
c) Photosynthesis		
El Fermentation		
89. Which of the following is a biotic fac	ctor in an ecosystem?	
a) Temperature	and the contract of the contra	
b) Water availability		
c) Plants		
d) Soil composition		
90. In human anatomy, the ulna is a bone	e located in which part o	of the body?
a) Leg	Total and Milion part of	z me oody.
b) Arm	- DUADA	
c) Skull	TE OF THE PROPERTY OF	PRINCIPAL
d) Spine	E WELL	PRINCIPAL
91. The SI unit of electric current is:	a a said	Avanthi Institute of Pharmaceutical Sciences
a) Volt	TOERISO . S	Cherukupally (V), Bhogapuram Mandal
b) Ampere	CAMAGARA	Vizianagaram Dt., - 531162
o) impere		0
A12: Y		10:
Avantni Instit	ute of Pharmaceutica	al Sciences

(APPROVED BY A.I.C.T.E, P.C.I, New Delhi, RECOGNIZED BY THE GOVT. OF A.P. & AFFILIATED TO JNTU-KAKINDA) Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.

TD: 2005	www.avanthipharma.ac.in, principal@avanthipharma.ac.in
	c) Ohm
	d) Watt
	at 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
	e) The total energy of a system increases with time
	d) Energy is directly proportional to mass
	ich of the following is a vector quantity?
	a) Speed
	b) Distance
	c) Acceleration
	d) Mass
	ording to Newton's third law of motion, for every action, there is an equal and opposite:
	a) Force
-	b) Reaction
	c) Acceleration
	d) Momentum
	at is the SI unit of force?
	a) Newton
1	b) Joule
	e) Watt
	d) Pascal
96. Whi	ich element is essential for all organic compounds?
	a) Hydrogen
1	b) Carbon
1	c) Oxygen
	d) Nitrogen
97. Wha	at is the chemical symbol for gold?
2	a) Au
	b) Ag
d	Fe Fe
	d) Hg
	at is the pH range for acidic solutions?
	a) 0-3
	5) 4-7
_	2) 8-14
	1) 7-10
	ch gas is responsible for the greenhouse effect on Earth?
	a) Oxygen
	n) Nitrogen
	c) Carbon dioxide
	Methane
100.	What is the process of conversion of a liquid into vapor at its boiling point?
8	n) Condensation PRINCIPAL

Avanthi Institute of Pharmaceutical Sciences

Cherukupally (V), Bhogapuram Mandal

Vizianagaram Dt., - 531162

a) Condensation b) Evaporation

c) Sublimation

d) Solidification

- ESTD: 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

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

Qualified Freeship Merit list

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	Name of the Student	Marks
1	20AFTP008	Arika Swathi	78
2	20AFTP017	Boosa Vara Naveen Reddy	75
3	20AFTP023	Dhuvvana Ramya Varshini	72
4	20AFTP024	Doddi Manikanta	58
5	20AFTP031	Ganguanitha	71
6	20AFTP034	Gorele Chandrika	72
7	20AFTP035	Gutti Sai Yeswanth	72
8	20AFTP039	Jakkireddy Ajay Reddy	39
9	20AFTP040	Jammu Jenni Paul	73
10	20AFTP043	Kanuri Lehari Aparna Sriyani	68
11	20AFTP047	Kilari Usha Rani	70
12	20AFTP049	Kommala Rupa	71
13	20AFTP051	Kontajaya Lakshmi	72
14	20AFTP054	Kosana Jahnavi	72
15	20AFTP056	Koyya Yamuna	65
16	20AFTP057	Kunkupudi Divya Ratna	63
17	20AFTP058	M S K Poojitha	74
18	20AFTP067	Naramsetti Jhansi	73
19	20AFTP070	Orlotu Rasmitha	73
20	20AFTP071	Palavani Vyshnavi	72
21	20AFTP073	Panthagada Sruthi	71
22	20AFTP079	Pondala Sai Sireesha	74
23	20AFTP081	Pulakhaandam Nagavadrdhan	67
24	20AFTP085	Siripuram Kiran Dattatreya	72
25	20AFTP088	Thammineni Bhargavi	71
26	20AFTP093	Varanas Abhilash	PRINCIPAL

Avanthi Institute of Pharmaceutical Sciences
Cherukupally (V), Bhogapuram Mandal

Vizianagaram Dt., - 531162



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

27	20AFTP095	Veluswamy Gayathri	68
28	20AFTP096	Vemakoti Hemanth Kumar	70
29	20AFTP0024	Pyla Upendra	55
30	20AFTP0015	Mirapa Rupa Vani	58
31	20AFTP002	Addakula Nandini	52
32	20AFTP072	Pandiri Rajeev	58
33	20AFTP076	Pattika Mukhesh	52
34	20AFTP091	Vadakkeveettil Leah Suzeine Raju	51
35	20AFTP0005	Chavali Arunakumari	54
36	20AFTP0009	Gedda Tarun	43
37	20AFTP0011	Guravana Sireesha	54
38	20AFTP0023	Vuriviti Pavani	48
39	20AFTP0301	Ankamreddi Pavani	42
40	20AFTP0302	Yendradla Hiranmai	53
41	20 AFTP0303	Vutapalli Esther Rani	51
42	20AFTP0304	Tadi Sankeerthana	52
43	20AFTP0305	Korabu Maithili	52
44	20AFTP0306	Neelapu Guna Prasanth	53
45	20AFTP1601	Bandapu Anusha	49
46	20AFTP1602	Menda Roja	45
47	20AFTP1603	Sabbavarapu Parvathi	48
48	20AFTP1604	Kadiyam Sowjanya	49
49	20AFTP1605	Chintagunti Sai Lavanya	48
50	20AFTP1606	Sayyad Ashiya Parveen	43
51	20AFTP0601	Kancharla Moulika	48
52	20AFTP0602	Majji Guna Sundari	39
53	20AFTP0603	Muminuz Zaman	43
54	20AFTP0001	Sanapathi Bindu Suneetha	53
55	19AFTP0601	Kandi Dharani Kranthi	47
56	19AFTP0602	Kudurella Sri Mounika	49
57	19AFTP0603	Lankalapalli Harshasree	48

Avanthi Institute of Pharmaceutical Sciences Avanthi Institute of Pharmaceutical Sciences Cherukupally (** gapuram Mandal Viziana - 531162



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

58	19AFTP0604	Matta Ramalakshmi	51
59	19AFTP0605	Palla Harika	51
60	19AFTP0606	Polaki Mounika	48
61	19AFTP0607	Reshmi Afreen	47
62	19AFTP0608	Rohit Godia	49
63	19AFTP0609	Sirasapalli Pavani	49
64	19AFTP0610	Suvvari Santhoshi	48
65	19AFTP0611	Vijmireddy Gowthami	49
66	19AFTP0612	Vittat Navya	48
67	19AFTP1101	Bagadhi Santhoshi Kumari	50
68	19AFTP1102	Bogapurapu Gayatri	47
69	19AFTP1103	Chukka Chandrakala	47
70	19AFTP1104	Kolli Bhanu Kumari	46
71	19AFTP1105	Madda Junnu	51
72	19AFTP1106	Nemala Chandini	42
73	19AFTP1107	O Narasimha	49
74	19AFTP1108	Padala Srujana	39
75	19AFTP1109	Patnala Venkata Satya Kumari	43
76	19AFTP1110	Sabbavarapu Anuradha	49
77	19AFTP1111	Somula Venkata Durga	46
78	19AFTP1112	Yanda Purna Naga Vijaya Lakshmi	39
79	19AFTP1113	Yellapu Renuka Pratyusha	53
80	19AFTP003	Arava Naveen	39
81	19AFTP004	Bandaru Hanok Hemanth Kumar	43
82	19AFTP008	Biddika Prasanth Kumar	58
83	19AFTP011	Bogi Pradeep	45
84	19AFTP014	Bonula Saikumar	52
85	19AFTP015	Bosi Rajkumar	54
86	19AFTP019	Buradhapati Gopala Krishna	53
87	19AFTP020	Chilakala Teja	49
88	19AFTP029	Gajjala Sreekanth	PRINCIPAL

Avanthi Institute of Pharmaceutical Sciences Institute of Pharmaceutical Sciences

Cherukupally (\forall \)

Spuram Mandal



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

89	19AFTP030	Gajjala Adi Narayana	41
90	19AFTP031	Gorrela Raju	49
91	19AFTP035	Gunupuru Nagendra	50
92	19AFTP039	Kantreddi Satishkumar	51
93	19AFTP040	Katta Avinash	49
94	19AFTP043	Kollu Veera Manikantha	51
95	19AFTP046	Kondagorri Hari	52
96	19AFTP048	Kornana Pavan Kumar	49
97	19AFTP051	Kunthuri Umamahesh	51
98	19AFTP066	Mutyala Lohith	51
99	19AFTP079	Rajana Dilip Kumar	49
100	19AFTP084	Sarapenta Harinhadh	43
101	19AFTP085	Saripilli L S D K Vamsi Yadav	50
102	19AFTP086	Shankar Rao Bora	39
103	19AFTP088	Siragam Akhil Kumar	43
104	19AFTP091	Tadi Abhishek	35
105	19AFTP095	Thamatapu Aravind	38
106	19AFTP099	Yammala Vamsi	35



Principal
PRINCIPAL
Avanthi Institute of Pharmaceutical Science

Cherukupally (V), Bhogapurar Vizianagaram Dt., - 531



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

Thagarapuvalasa

20-11-2020

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 19-11-2020.

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 15-10-2020 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 2020-2021. 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 106 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

OF PHARMACE STATE OF THE STATE

Principal

Avanthi Institute of Pharmaceutical Sciences

Avanthi Institute of Pharmaceutical Sciences Vizianagaram Dt., - 531162



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

AVANTHI FREESHIPS STUDENTS FOR THE ACADEMIC YEAR 2020-2021

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	Hall Ticket No	Name of the Student	Freeship
1	20T51R0008	Arika Swathi	50000
2	20T51R0017	Boosa Vara Naveen Reddy	50000
3	20T51R0023	Dhuvvana Ramya Varshini	50000
4	20T51R0024	Doddi Manikanta	43500
5	20T51R0031	Ganguanitha	50000
6	20T51R0034	Gorele Chandrika	50000
7	20T51R0035	Gutti Sai Yeswanth	50000
8	20T51R0039	Jakkireddy Ajay Reddy	35000
9	20T51R0040	Jammu Jenni Paul	50000
10	20T51R0043	Kanuri Lehari Aparna Sriyani	45000
11	20T51R0047	Kilari Usha Rani	50000
12	20T51R0049	Kommala Rupa	50000
13	20T51R0051	Kontajaya Lakshmi	50000
14	20T51R0054	Kosana Jahnavi	50000
15	20T51R0056	Koyya Yamuna	41500
16	20T51R0057	Kunkupudi Divya Ratna	40000
17	20T51R0058	M S K Poojitha	50000
18	20T51R0067	Naramsetti Jhansi	50000
19	20T51R0070	Orlotu Rasmitha	50000
20	20T51R0071	Palavani Vyshnavi	50000
21	20T51R0073	Panthagada Sruthi	50000
22	20T51R0079	Pondala Sai Sireesha	50000
23	20T51R0081	Pulakhaandam Nagavadrdhan	47000
24	20T51R0085	Siripuram Kiran Dattatreya	50000
25	20T51R0088	Thammineni Bhargavi	50000
26	20T51R0093	Varanas Abhilash	50000
27	20T51R0098	Riveluswamy Gayathri	PRINCIPAL

Avanth Institute of Pharmaceutical Schembelnstitute of Pharmaceutical Sciences



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

28	20T51R0096	Vemakoti Hemanth Kumar	50000
29	20T51T0024	Pyla Upendra	30000
30	20T51T0015	Mirapa Rupa Vani	45000
31	20T51R0002	Addakula Nandini	35000
32	20T51R0072	Pandiri Rajeev	50000
33	20T51R0076	Pattika Mukhesh	45000
34	20T51R0091	Vadakkeveettil Leah Suzeine Raju	50000
35	20T51T0005	Chavali Arunakumari	50000
36	20T51T0009	Gedda Tarun	50000
37	20T51T0011	Guravana Sireesha	50000
38	20T51T0023	Vuriviti Pavani	41500
39	20T51S0301	Ankamreddi Pavani	40000
40	20T51S0302	Yendradla Hiranmai	50000
41	20 T51S0303	Vutapalli Esther Rani	50000
42	20T51S0304	Tadi Sankeerthana	50000
43	20T51S0305	Korabu Maithili	50000
44	20T51S0306	Neelapu Guna Prasanth	50000
45	20T51S1601	Bandapu Anusha	50000
46	20T51S1602	Menda Roja	47000
47	20T51S1603	Sabbavarapu Parvathi	50000
48	20T51S1604	Kadiyam Sowjanya	50000
49	20T51S1605	Chintagunti Sai Lavanya	50000
50	20T51S1606	Sayyad Ashiya Parveen	41500
51	20T51S0601	Kancharla Moulika	50000
52	20T51S0602	Majji Guna Sundari	30000
53	20T51S0603	Muminuz Zaman	45000
54	20T51T0001	Sanapathi Bindu Suneetha	50000
55	19T51S0601	Kandi Dharani Kranthi	45000
56	19T51S0602	Kudurella Sri Mounika	50000
57	19T51S0603	Lankalapalli Harshasree	50000
58	19T51S0604	Matta Ramalakshmi	1 50000

Avanthi Institute of Pharmaceutical Sciences Institute of Pharmaceutical Sciences Cherukupally (V) Shogapuram Mandal

Vizianao

t., - 531162



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

59	19T51S0605	Palla Harika	50000
60	19T51S0606	Polaki Mounika	41500
61	19T51S0607	Reshmi Afreen	40000
62	19T51S0608	Rohit Godia	50000
63	19T51S0609	Sirasapalli Pavani	50000
64	19T51S0610	Suvvari Santhoshi	50000
65	19T51S0611	Vijmireddy Gowthami	50000
66	19T51S0612	Vittat Navya	50000
67	19T51S1101	Bagadhi Santhoshi Kumari	50000
68	19T51S1102	Bogapurapu Gayatri	47000
69	19T51S1103	Chukka Chandrakala	50000
70	19T51S1104	Kolli Bhanu Kumari	50000
71	19T51S1105	Madda Junnu	50000
72	19T51S1106	Nemala Chandini	41500
73	19T51S1107	O Narasimha	50000
74	19T51S1108	Padala Srujana	30000
75	19T51S1109	Patnala Venkata Satya Kumari	45000
76	19T51S1110	Sabbavarapu Anuradha	50000
77	19T51S1111	Somula Venkata Durga	50000
78	19T51S1112	Yanda Purna Naga Vijaya Lakshmi	41500
79	19T51S1113	Yellapu Renuka Pratyusha	50000
80	19T51R0003	Arava Naveen	30000
81	19T51R0004	Bandaru Hanok Hemanth Kumar	45000
82	19T51R0008	Biddika Prasanth Kumar	50000
83	19T51R0011	Bogi Pradeep	45000
84	19T51R0014	Bonula Saikumar	50000
85	19T51R0015	Bosi Rajkumar	50000
86	19T51R0019	Buradhapati Gopala Krishna	50000
87	19T51R0020	Chilakala Teja	50000
88	19T51R0029	Gajjala Sreekanth	41500
89	19T51R0030	Gajjala Adi Narayana	1 40000

Avanthi Institute of Pharmaceutical Swaethicestitute of Pharmaceutical Sciences

Cherukupally (V) Bhogapuram Mandal Vizianaga St., - 531162



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

	4932000		
106	19T51R0099	Yammala Vamsi	30000
105	19T51R0095	Thamatapu Aravind	30000
104	19T51R0091	Tadi Abhishek	32000
103	19T51R0088	Siragam Akhil Kumar	45000
102	19T51R0086	Shankar Rao Bora	30000
101	19T51R0085	Saripilli L S D K Vamsi Yadav	50000
100	19T51R0084	Sarapenta Harinhadh	41500
99	19T51R0079	Rajana Dilip Kumar	50000
98	19T51R0066	Mutyala Lohith	50000
97	19T51R0051	Kunthuri Umamahesh	50000
96	19T51R0048	Kornana Pavan Kumar	47000
95	19T51R0046	Kondagorri Hari	50000
94	19T51R0043	Kollu Veera Manikantha	50000
93	19T51R0040	Katta Avinash	50000
92	19T51R0039	Kantreddi Satishkumar	50000
91	19T51R0035	Gunupuru Nagendra	50000
90	19T51R0031	Gorrela Raju	50000



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



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

Thagarapuvalasa

13-04-2020

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 13-04-2020.

2. Avanthi Freeships & Merit Scholarship internal policy.

This is to request you please sanction amount of Rs.198000/- (One lakh ninety eight thousand Rupees) for 50 students into the college budget for the academic year 2020-2021.

The details are also enclosed for your consideration.

Thanking you

Yours faithfully

PRINCIPAL

Avanthi Institute of Pharmaceutical Science.

Cherukupally (V), Bhogapuram Mandal |
Vizianagaram Dt., - 531162



Chairman IAC



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

List of Students awarded with Merit Scholarship Amount for the Academic Year 2020-2021

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	18T51R0080	Varri Naga Gowthami	I	5000
2	B. Pharm	IV	18T51R0030	Karaka Naresh	П	3000
3	B. Pharm	IV	18T51R0034	Kota Neeraja	I	5000
4	B. Pharm	IV	18T51R0017	Gari Swetha	П	3000
5	B. Pharm	IV	18T51R0029	Kamireddy Himaja	I	5000
6	B. Pharm	IV	18T51R0056	Pilaka Neha	П	3000
7	B. Pharm	IV	18T51R0065	Rokkala Prasanthi	I	5000
8	B. Pharm	IV	18T51R0060	Pontapalli Bharathi	П	3000
9	B. Pharm	III	19T51R0009	Bodapati Kaveri	I	5000
10	B. Pharm	Ш	19T51R0058	Mamidi Sravani	II	3000
11	B. Pharm	III	19T51R0024	Donthala Kusuma	I	5000
12	B. Pharm	III	19T51R0093	Telapalli Haritha	II	3000
13	B. Pharm	III	19T51R0094	Telikicherla Veenapani	I	5000
14	B. Pharm	III	19T51R0082	Reddi Bhavanthi	II	3000
15	B. Pharm	III	19T51R0071	Padala Sharon	I	5000
16	B. Pharm	III	19T51R0078	Puli Harsha Veena	II	3000
17	B. Pharm	III	19T51R0065	Mulli Madhuri	I	5000
18	B. Pharm	Ш	19T51R0023	Doddi Shanmukha Rithika	II	3000
19	B. Pharm	П	20T51R0058	M S K Poojitha	I	5000
20	B. Pharm	II	20T51R0016	Bonala Radha Shyam Priya	П	3000
21	B. Pharm	II	20T51R0037	Itamsetti Indu	I	5000
22	B. Pharm	II	20T51R0036	Indigabilli Oliva Kumari	п	3000
23	B. Pharm	II	20T51R0049	Kommala Rupa	I	5000
24	B. Pharm	П	20T51R0094	Vasupalli Lavanya	II	3000
25	B. Pharm	П	20T51R0092	Vajrapu Harika	I	5000
26	B. Pharm	П	20151R0061	Makka Keerthana	П	PRINCIPAL

Avanth institute of Pharmaceutical Science anthi Institute of Pharmaceutical Science



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

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

27	B. Pharm	II	20T51R0080	Pragada Nisha	I	5000
28	B. Pharm	П	20T51R0091	Vadakkeveettil Leah	II	3000
29	Pharm, D	V	17T51T0008	Suzeine Raju Gannamaneni Saipadmini	I	5000
30	Pharm. D	V	17T51T0007	Damodara Padmapriya	П	3000
31	Pharm. D	IV	18T51T0005	Bonala Jaya Radha Madhavi	I	5000
32	Pharm. D	IV	18T51T0017	Nuka Himabindu	П	3000
33	Pharm. D	IV	18T51T0006	Bonela Meghana	П	3000
34	Pharm. D	III	19T51T0014	Pentakota Prasanna	I	5000
35	Pharm. D	III	19T51T0012	Ushasri Kanumula	П	3000
36	Pharm. D	Ш	19T51T0022	Vanapalli Sandhya Rani	I	5000
37	Pharm. D	II	20T51T0010	Gompa Varshini	I	5000
38	Pharm. D	II	20T51T0012	Kanuri Sai Lavanya	П	3000
39	Pharm. D	П	20T51T0016	Mohammed Aarifa Mushrafi Rizvi	I	5000
40	Pharm. D	П	20T51T0002	Arabolu Rohitha	П	3000
41	M. Pharm	П	19T51S0604	Matta Ramalakshmi	II	3000
42	M. Pharm	II	19T51S0607	Reshmi Afreen	I	5000
43	M. Pharm	П	19T51S0605	Palla Harika	П	3000
44	M. Pharm	П	19T51S1108	Padala Srujana	I	5000
45	M. Pharm	П	19T51S0603	Lankalapalli Harshasree	II	3000
46	M. Pharm	П	19T51S1113	Yellapu Renuka Pratyusha	I	5000
47	M. Pharm	П	19T51S0612	Vittat Navya	П	3000
48	M. Pharm	П	19T51S1110	Sabbavarapu Anuradha	П	3000
49	M. Pharm	П	19T51S1113	Yellapu Renuka Pratyusha	I	5000
50	M. Pharm	П	19T51S0610	Suvvari Santhoshi	П	3000
Total						198000



Principal
PRINCIPAL
Stitute of Deermacautical St

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