

THE UNIVERSITY OF CHENAB



Department of Allied Health Sciences

Doctor of Physical Therapy

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Programs Offered by the Department of Allied Health Sciences	
Degree Name	Degree Details/Eligibility Criteria
Doctor of Physical Therapy	Doctor of Physical Therapy is of 5-years duration, spread over 10 regular semesters, and consists of 139 credit hours after completing twelve years of higher secondary school certificate (FSc. Pre-Medical). At least 60% marks in intermediate or equivalent are required for admission in Doctor of Physical Therapy



Sample - Entry Test for Doctor of Physical Therapy

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Multiple Choice Questions

1. Which of the following is a scalar quantity?
 - A) Force
 - B) Displacement
 - C) Speed
 - D) Velocity
2. What is the unit of electrical resistance?
 - A) Volt
 - B) Ampere
 - C) Ohm
 - D) Coulomb
3. Acceleration due to gravity on Earth is approximately:
 - A) 8.9 m/s^2
 - B) 9.8 m/s^2
 - C) 10.8 m/s^2
 - D) 12 m/s^2
4. Which law explains the relationship between voltage, current, and resistance?
 - A) Newton's Law
 - B) Ohm's Law
 - C) Hooke's Law
 - D) Boyle's Law
5. Which color has the shortest wavelength?
 - A) Red
 - B) Blue
 - C) Green
 - D) Violet
6. Which of the following is an alkali metal?
 - A) Calcium
 - B) Iron
 - C) Sodium
 - D) Copper
7. Water is a:
 - A) Compound
 - B) Element



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C) Mixture

D) Ion

8. Which gas is released during photosynthesis?

A) Oxygen

B) Carbon dioxide

C) Nitrogen

D) Methane

9. The atomic number of carbon is:

A) 6

B) 12

C) 14

D) 16

10. What is the pH value of a neutral solution?

A) 5

B) 7

C) 9

D) 11

11. Which of the following is the basic structural unit of life?

A) Atom

B) Molecule

C) Cell

D) Tissue

12. Enzymes are biologically:

A) Lipids

B) Carbohydrates

C) Proteins

D) Nucleic acids

13. Which blood group is called the universal donor?

A) A

B) B

C) AB

D) O

14. Which organ of the body produces insulin?

A) Liver

B) Pancreas



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- C) Kidney
- D) Intestine

15. Which system is responsible for transporting blood throughout the body?

- A) Respiratory
- B) Circulatory
- C) Digestive
- D) Endocrine

16. Choose the correct passive voice: "He writes a letter."

- A) A letter was written by him.
- B) A letter is written by him.
- C) A letter is being written by him.
- D) A letter has been written by him.

17. Choose the correct synonym of "benevolent":

- A) Kind
- B) Evil
- C) Greedy
- D) Arrogant

18. Choose the correct spelling:

- A) Accommodate
- B) Accomodate
- C) Accommodate
- D) Accomadate

19. Fill in the blank: He has been living in Lahore _____ 2015.

- A) since
- B) for
- C) by
- D) at

20. Identify the correct sentence:

- A) She do not like ice cream.
- B) She does not likes ice cream.
- C) She does not like ice cream.
- D) She not like ice cream.

21. Which of the following has the highest frequency?

- A) Radio waves
- B) Microwaves



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- C) Gamma rays
- D) Infrared rays

22. What is the chemical symbol for potassium?

- A) P
- B) K
- C) Pt
- D) Po

23. Which vitamin is essential for blood clotting?

- A) Vitamin A
- B) Vitamin B12
- C) Vitamin K
- D) Vitamin D

24. What is the antonym of the word “ancient”?

- A) Historic
- B) Modern
- C) Primitive
- D) Old

25. Which continent is the Sahara Desert located in?

- A) Asia
- B) North America
- C) Africa
- D) Australia

26. How many bones are there in the adult human body?

- A) 200
- B) 206
- C) 210
- D) 215

27. What is the boiling point of water on the Celsius scale?

- A) 100°C
- B) 90°C
- C) 80°C
- D) 120°C

28. What is the SI unit of work?

- A) Joule
- B) Watt



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C) Newton

D) Calorie

29. Choose the correct form of the verb: She _____ the piano beautifully.

A) play

B) plays

C) playing

D) played

30. Who is known as the Father of Modern Physics?

A) Isaac Newton

B) Galileo Galilei

C) Albert Einstein

D) Stephen Hawking

31. Which part of the plant conducts photosynthesis?

A) Roots

B) Stem

C) Leaf

D) Flower

32. What is the main gas found in the air we breathe?

A) Oxygen

B) Hydrogen

C) Nitrogen

D) Carbon dioxide

33. What is H_2SO_4 commonly known as?

A) Nitric acid

B) Hydrochloric acid

C) Sulfuric acid

D) Acetic acid

34. Find the correct sentence:

A) He go to school daily.

B) He goes to school daily.

C) He going to school.

D) He gone to school.

35. Which country has the largest population in the world?

A) USA

B) Russia



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C) China

D) India

36. What is the center of an atom called?

A) Electron

B) Proton

C) Neutron

D) Nucleus

37. Which of the following is not a primary color of light?

A) Red

B) Blue

C) Green

D) Yellow

38. What is the function of white blood cells?

A) Carry oxygen

B) Fight infection

C) Help in clotting

D) Digest food

39. Who is the author of "Merchant of Venice"?

A) Charles Dickens

B) William Wordsworth

C) William Shakespeare

D) Jane Austen

40. What is the square root of 144?

A) 11

B) 12

C) 13

D) 14

41. Which of the following is NOT a primary function of the liver? A) Bile production

B) Detoxification

C) Blood sugar regulation

D) Oxygen exchange

42. A positive Babinski sign in an adult indicates: A) Normal reflex response

B) Upper motor neuron lesion

C) Lower motor neuron lesion

D) Spinal shock



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43. What is the primary function of the Golgi tendon organ? A) Detect changes in muscle length
B) Facilitate muscle contraction
C) Inhibit excessive muscle tension
D) Control muscle fatigue
44. Which of the following blood cells are involved in allergic reactions? A) Neutrophils
B) Basophils
C) Monocytes
D) Erythrocytes
45. What does the P-wave in an ECG represent? A) Ventricular repolarization
B) Atrial depolarization
C) Atrial repolarization
D) Ventricular depolarization
46. The Gold Standard method of measuring body fat is: A) Skinfold calipers
B) BMI
C) Hydrostatic weighing
D) Waist circumference
47. The characteristic gait seen in foot drop is: A) Trendelenburg gait
B) Steppage gait
C) Scissor gait
D) Antalgic gait
48. The main buffer system of the human blood is: A) Ammonia buffer
B) Phosphate buffer
C) Bicarbonate buffer
D) Protein buffer
49. Which vitamin is synthesized in the skin using sunlight? A) Vitamin A
B) Vitamin B12
C) Vitamin D
D) Vitamin K
50. The distance between two Z-lines in a sarcomere defines: A) Actin filament
B) Myosin unit
C) Muscle spindle
D) Sarcomere length
51. What does SPSS stand for? A) Scientific Program for Social Studies
B) Statistical Package for the Social Sciences



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- C) Software Program for Statistical Studies
 - D) System Program for Statistical Support
52. In research, the term 'sample' refers to: A) The total population
B) A part of population used for study
C) The entire group of variables
D) The number of hypotheses
53. Which of the following is a qualitative research method? A) Randomized controlled trial
B) Case study
C) Survey
D) Cohort study
54. The dependent variable in a study is the one that: A) Is manipulated by the researcher
B) Remains constant
C) Is measured or observed
D) Represents the control group
55. What is the full form of PICO in evidence-based practice? A) Patient, Intervention, Comparison, Outcome
B) Population, Investigation, Control, Outcome
C) Problem, Intervention, Case, Outcome
D) Patient, Indicator, Cause, Objective
56. Which energy system is primarily used during a 100m sprint? A) Aerobic system
B) Anaerobic glycolysis
C) ATP-PCr system
D) Krebs cycle
57. The VO₂ max is a measure of: A) Muscle power
B) Pulmonary resistance
C) Maximum oxygen consumption
D) Lactic acid threshold
58. Which hormone increases heart rate during exercise? A) Insulin
B) Estrogen
C) Adrenaline
D) Glucagon
59. Which type of muscle fiber is most fatigue-resistant? A) Type I
B) Type IIa
C) Type IIb
D) Fast glycolytic



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60. Which test is used to assess cardiovascular endurance? A) Sit and reach test
B) Harvard step test
C) Hand grip strength test
D) Vertical jump test
61. Which word is closest in meaning to "abstain"? A) Indulge
B) Participate
C) Refrain
D) Enjoy
62. Choose the correctly spelled word:
A) Neumonia
B) Pneumonia
C) Pnumonia
D) Pneumania
63. Choose the correct passive voice: "She writes a letter."
A) A letter is wrote by her.
B) A letter is written by her.
C) A letter was written by her.
D) A letter has been wrote by her.
64. Fill in the blank: He has been working here ____ 2019. A) since
B) for
C) by
D) until
65. Identify the part of speech of the underlined word: "She ran quickly to the station."
A) Adjective
B) Noun
C) Adverb
D) Verb
66. Which is the largest gland in the human body?
A) Thyroid
B) Liver
C) Pancreas
D) Adrenal
67. Who is known as the Father of Modern Physics?



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- A) Isaac Newton
- B) Albert Einstein
- C) Galileo Galilei
- D) Stephen Hawking

68. What is the capital of Australia?

- A) Sydney
- B) Melbourne
- C) Canberra
- D) Perth

69. What is the boiling point of water at sea level in Celsius?

- A) 90°C
- B) 100°C
- C) 110°C
- D) 120°C

70. The first Islamic month is:

- A) Ramadan
- B) Muharram
- C) Rabi-ul-Awal
- D) Rajab

71. Which law explains the relationship between pressure and volume of gases?

- A) Charles's Law
- B) Boyle's Law
- C) Dalton's Law
- D) Avogadro's Law

72. Which scientist proposed the law of gravity?

- A) Copernicus
- B) Newton
- C) Kepler
- D) Galileo

73. What is the smallest unit of life?

- A) Atom
- B) Molecule



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- C) Organelle
- D) Cell

74. Which nutrient is the primary source of energy in the human body?

- A) Proteins
- B) Fats
- C) Carbohydrates
- D) Vitamins

75. The hardest substance in the human body is:

- A) Bone
- B) Dentin
- C) Cartilage
- D) Enamel

76. What is the chemical formula for water?

- A) H₂O
- B) CO₂
- C) O₂
- D) H₂SO₄

77. Which country is known as the Land of the Rising Sun?

- A) Korea
- B) Japan
- C) China
- D) Thailand

78. The Red Blood Cells are formed in:

- A) Liver
- B) Bone marrow
- C) Spleen
- D) Heart

79. Which is the longest bone in the human body?

- A) Humerus
- B) Tibia
- C) Femur
- D) Radius

80. The universal recipient blood group is:



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- A) A+
- B) O+
- C) AB+
- D) B+

81. What is the main function of hemoglobin?

- A) Digest food
- B) Transport oxygen
- C) Control blood pressure
- D) Protect against infection

82. The normal pH of blood is:

- A) 6.8
- B) 7.0
- C) 7.4
- D) 8.0

83. Which part of the brain controls balance and coordination?

- A) Cerebrum
- B) Cerebellum
- C) Medulla
- D) Hypothalamus

84. The pacemaker of the heart is:

- A) AV node
- B) SA node
- C) Purkinje fibers
- D) Bundle of His

85. Which type of connective tissue connects muscle to bone?

- A) Ligament
- B) Tendon
- C) Cartilage
- D) Fascia

86. In which organ does most nutrient absorption occur?

- A) Stomach
- B) Small intestine
- C) Large intestine
- D) Pancreas

87. The study of tissues is known as:

- A) Cytology



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- B) Physiology
- C) Histology
- D) Pathology

88. A reflex arc involves:

- A) Brain only
- B) Spinal cord only
- C) Brain and spinal cord
- D) Sensory and motor neurons

89. Which system controls hormones in the body?

- A) Nervous system
- B) Endocrine system
- C) Respiratory system
- D) Circulatory system

90. Which structure filters blood in the kidney?

- A) Nephron
- B) Glomerulus
- C) Ureter
- D) Loop of Henle

91. Who invented the stethoscope?

- A) Louis Pasteur
- B) René Laennec
- C) Alexander Fleming
- D) William Harvey

92. What does DNA stand for?

- A) Dioxin Nucleic Acid
- B) Deoxyribonucleic Acid
- C) Double Helix Acid
- D) Deoxyribose Nucleic Acid

93. Which gas is essential for human respiration?

- A) Nitrogen
- B) Oxygen
- C) Carbon dioxide
- D) Helium

94. Which part of the eye controls the amount of light entering?

- A) Retina
- B) Lens



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C) Iris

D) Cornea

95. Which element is found in all organic compounds?

A) Nitrogen

B) Oxygen

C) Carbon

D) Hydrogen

96. Who wrote the national anthem of Pakistan?

A) Hafeez Jullundhri

B) Allama Iqbal

C) Faiz Ahmad Faiz

D) Ahmad Faraz

97. Which organ is primarily responsible for detoxifying chemicals?

A) Kidney

B) Liver

C) Pancreas

D) Gall bladder

98. Which muscle is the primary breathing muscle?

A) Intercostals

B) Rectus abdominis

C) Diaphragm

D) Sternocleidomastoid

99. Which joint is an example of a ball and socket joint?

A) Elbow

B) Knee

C) Shoulder

D) Wrist

100. What is the powerhouse of the cell?

A) Ribosome

B) Nucleus

C) Mitochondria

D) Golgi apparatus