

LPUNEST Chemistry Mock Test Questions

1. The equivalent conductance of 1M CH₃COOH is 10 ohm⁻¹ cm² equiv⁻¹ and that at infinite dilution is 200 ohm⁻¹ cm² equiv⁻¹. Hence the % ionization of CH₃COOH

is _____

2. The vapour pressure of a pure solvent at 50°C is 400mm. If 0.2 mole of a non-volatile solute is added to 1 mole of the solvent the vapour pressure of that solution at 50°C is nearly

- A. 400mm
 - B. 200mm
 - C. 300mm
 - D. 333mm
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3. What is the degree of hardness of a sample of water containing 24mg of MgSO₄ (molecular mass 120) per kg of water?

- A. 10ppm
 - B. 15ppm
 - C. 25ppm
 - D. 20ppm
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4. Chemical (X) is used for the removal of temporary hardness of water. (X) reacts with Na₂CO₃ to produce caustic soda. When CO₂ is bubbled through (X), it turns cloudy. What is the chemical formula of (X)?

- A. Ca(OH)₂
 - B. CaO
 - C. CaCO₃
 - D. Ca(HCO₃)₂
-

5. The heat of combustion of carbon and carbon monoxide are -393.5 and -283.5 kJ mol⁻¹, respectively. The heat of formation (in kJ) of carbon monoxide per mole

is _____

- A. 676.5
 - B. -676.5
 - C. -110.5
 - D. 110.5
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LPUNEST Physics Mock Test Questions

1. A solid sphere and a solid cylinder of the same mass are rolled down on two inclined planes of heights h₁ & h₂. If at the bottom of the plane, two objects have the same linear velocities, then the ratio of h₁ to h₂ is

- A. 2:3
 - B. 7:5
 - C. 14:15
 - D. 15:14
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2. The initial velocity of a particle is u [at $t=0$] and the acceleration f is given by at . Which of the following relations is valid?

- A. $v = u + at^2$
 - B. $v = u + at^2/2$
 - C. $v = u + at$
 - D. $v = u$
-

3. At which temperature, the centigrade and Fahrenheit scales are equal?

- A. 40°
 - B. -40°
 - C. 37°
 - D. -80°
-

4. The rms velocity of H_2 molecules at $27^\circ C$ is 1930 m/s . The rms velocity of O_2 molecules at $1200K$ will be _____.

5. An AC series circuit contains 4Ω resistance and 3Ω inductive reactance. What is the impedance of the circuit?

- A. 1Ω
 - B. 5Ω
 - C. 7Ω
 - D. $7/\sqrt{2}\Omega$
-

LPUNEST Mathematics Mock Test Questions

1. The algebraic expression $x^2 + \sqrt{5}x + 9$ is a

- A. Polynomial
 - B. Not a Polynomial
 - C. Integer
 - D. None of these
-

2. The shadow of a tree 6m high is $2\sqrt{3}\text{m}$. The angle of elevation of the sun will be

- A. 60°
 - B. 30°
 - C. 75°
 - D. None of these
-

3. The volume of the sphere whose radius is 1cm is

- A. 1 cm³
 - B. 8.8 cm³
 - C. 14.4 cm³
 - D. None of these
-

4. A coin is tossed once what is the probability of getting a tail
- A. 1/2
 - B. 1
 - C. 2
 - D. None of these
-

5. The 12th term of A.P. 5, 8, 11,..... is _____
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LPUNEST Biology Mock Test Questions

- Question 1: Conversion of glucose to lactate takes place in
- A. Aerobic condition
 - B. Anaerobic condition
 - C. Both Aerobic condition and Anaerobic condition
 - D. None of these
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- Question 2: In respiration, the energy not captured by ATP is converted to
- A. Transferred to water
 - B. Converted to heat
 - C. Released with CO₂
 - D. Transferred to organic molecules
-

- Question 3: The phenomenon which cools the surface of leaves is
- A. Guttation
 - B. Translocation
 - C. Transamination
 - D. Transpiration
-

- Question 4: The only movable bone in the skull is
- A. Maxilla
 - B. Frontoparietal
 - C. Mandible
 - D. Nasal
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- Question 5: Which of these pests attack mustard?
- A. Pod borer
 - B. Aphids
 - C. White grub

D. Pyrilla

LPUNEST English Mock Test Questions

Question 1: What is the synonym of Adversity?

- A. Failure
 - B. Misfortune
 - C. Helplessness
 - D. Crisis
-

Question 2: Find the correct spelling.

- 1. Pugnacios
 - 2. Pugnacious
 - 3. Pagnacous
 - 4. Pugnashous
-

Question 3: Choose the correct answer. Your dreams _____ if you try.

- A. Accomplishes
 - B. will be accomplished
 - C. is accomplishing
 - D. has accomplished
-

Question 4: Which of these words is closest in meaning to the word provided? "educe"

- A. demand
 - B. elicit
 - C. ideal
 - D. unlawful
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Question 5: Choose one word for the following statement: Government of the people, by the people and for the people

- A. Democracy
 - B. Autocracy
 - C. Socialism
 - D. Anarchy
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LPUNEST Computer Science Mock Test Questions

Question 1: Which one is correct according to the distribution law?

- A. $A(BC)C$
- B. $A(B + C) = AB + AC$

- C. $A(A+1) = A$
 - D. $A + AB = A$
-

Question 2: To perform stream I/O with disk files in C++, you should:-

- A. Use classes derived from ios
 - B. Use C language library functions to read and write data
 - C. Open and close files as in procedural language
 - D. None of these
-

Question 3: The following are the components of a database:-

- A. User data
 - B. Reports
 - C. Metadata
 - D. Indexes
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Question 4: Which of these are the 5 generic software engineering framework activities?

- A. Communication, planning, modelling, construction, deployment
 - B. Analysis, designing, programming, debugging, maintenance
 - C. Analysis, planning, designing, programming, testing
 - D. Communication, risk management, measurement, production, reviewing
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Question 5: In which code do the successive code characters differ in only one-bit position?

- A. Gray code
 - B. 8421 code
 - C. Excess 3 code
 - D. Algebraic code
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