LPUNEST Previous Years Questions For Mathematics

1. The shadow of a tree 6m high is $2\sqrt{3}$m. The angle of elevation of the sun will be
    A. 60o
    B. 30o
    C. 75o
    D. None of these

2. The algebraic expression $x2 + \sqrt{5}x + 9$ is a
    A. Polynomial
    B. Not a Polynomial
    C. Integer
    D. None of these

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

4. The 12th term of A.P. 5, 8, 11,…… is____.

5. 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

LPUNEST Previous Years Questions For Physics

1. The initial velocity of a particle is u [at t=0] and the acceleration f is given by αt. Which of the following relations is valid?
    A. v= u+at2
    B. v= u+at2/2
    C. v= u+at
    D. v= u

2. 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

3. The rms velocity of H2 molecules at 27oC is 1930 m/s. The rms velocity of O2 molecules at 1200K will be____.

4. 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/√2 Ω

5. At which temperature, the centigrade and Fahrenheit scales are equal?
   A. 40o
   B. -40o
   C. 37o
   D. -80o

LPUNEST Previous Years Questions For Chemistry

1. The vapour pressure of a pure solvent at 50oC 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 50oC is nearly
   A. 400mm
   B. 200mm
   C. 300mm
   D. 333mm

2. 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____.

3. Chemical (X) is used for the removal of the 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

4. 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

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

LPUNEST Previous Years Questions For Biology

1. 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

2: 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

3: The only movable bone in the skull is
    A. Maxilla
    B. Frontoparietal
    C. Mandible
    D. Nasal

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

5: Which of these pests attack mustard?
    A. Pod borer

B. Aphids
C. White grub
D. Pyrilla

LPUNEST Previous Years Questions For Computer Science

1: 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

2: 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

3: 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

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

5: The following are the components of a database:-
    A. User data
    B. Reports
    C. Metadata
    D. Indexes

LPUNEST Previous Years Questions For English

1: What is the synonym of Adversity?

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

2: Find the correct spelling.
1. Pugnacios
2. Pugnacious
3. Pagnacous
4. Pugnashous

3: 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

4: Which of these words is closest in meaning to the word provided? "educe"
A. demand
B. elicit
C. ideal
D. unlawful

5: Choose the correct answer. Your dreams_____ if you try.
A. Accomplishes
B. will be accomplished
C. is accomplishing
D. has accomplished