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NUST Past Paper – Engineering

Total Time: 3 Hrs Total Question: 200

- 1) The number \sqrt{n} , where n is a prime number is
 - a. A Natural number
 - b. A Rational number
 - c. An Irrational number
 - d. Whole number
- 2) Every prime number is also
 - a. Rational
 - b. Even number
 - c. Irrational number
 - d. Multiple of two number
- 3) (a, b) + (-a, -b) =
 - a. (0,0)
 - b. (a,b)
 - c. (-a,-b)
 - d. (1,1)
- 4) If z = x-iy/x+iy then |z| is
 - a. 0
 - b. 1
 - c. -1
 - d. None
- 5) Every recurring or every terminating decimal represents
 - a. An integer
 - b. A rational number
 - c. An irrational number
 - d. A prime number
- 6) What is the conjugate of -6-i?
 - a. -6+i
 - b. 6+i
 - c. -6-i
 - d. 6-i
- 7) If $z1=\sqrt{-36}$, $z2=\sqrt{-25}$, $z3=\sqrt{-16}$ then what is sum of z1, z2 and z3?
 - a. 15
 - b. 15i
 - c. -15i
 - d. -15



- 8) $\{x \mid x=p/q, p,q \in Z \land q \neq 0\}$ is set of all
 - a. Natural number
 - b. Integers
 - c. Irrational number
 - d. Rational number
- 9) Deductive logic in which every statement is regarded as true or false and there is scope for a third or fourth possibility is called
 - a. Proposition
 - b. Deduction
 - c. Non- Aristotelian logic
 - d. Aristotelian
- 10) The function $\{x,y|y=(1/2)x^2\}$ is
 - a. Constant
 - b. Onto
 - c. One to one
 - d. None of these
- 11) The function $f=\{(x,y)|y=mx+c\}$ is
 - a. Quadratic function
 - b. Constant function
 - c. Cubic function
 - d. Linear function
- 12) An element e ϵ A is said to be identity element with respect to a binary operation on A if for all e ϵ A
 - a. exa = axe = 0
 - b. exa = axe0
 - c. $e \times a = a \times e = e$
 - d. exa = axe = a
- 13) In a school, there are 150 students. Out of these 80 students enrolled for mathematics class, 50 enrolled for English class, 60 enrolled for physics class. The student enrolled for English cannot attend any other class, but student of mathematics and physics can take two courses at a time. Find the number of students who have taken both physics and mathematics.
 - a. 40
 - b. 30
 - c. 50
 - d. 20
- 14) The product of the roots of the equation $9X^2-5X-27=0$
 - a. 5/27
 - b. -5/9
 - c. -1/3
 - d. -3
- 15) The multiplicative inverse of 4 is

- a. ¼
- b. -1/4
- c. -4
- d. 1
- 16) If f(x)=3+x then
 - a. $f'(0) \neq f'(1)$
 - b. f'(0) = f'(1)
 - c. f'(0) > f'(1)
 - d. f'(0) < f'(1)
- 17) p, q, r and s are integers. If the A.M. of the roots of x^2 -px- q^2 =0 and G.M. of the root of x^2 + s^2 =0 are equal then
 - a. q is an odd integer
 - b. r is an even integer
 - c. p is an even integer
 - d. s is an odd integer
- 18) X + 3/x = 4 is
 - a. A transcendental equation
 - b. Cubic equation
 - c. An identity
 - d. An equation
- 19) For ¼, 2/5,1,----- 6th term is
 - a. -2
 - b. -2/7
 - c. 1/9
 - d. -5/6
- 20) In R the left cancellation property w.r.t addition is
 - a. $C + a = c + b \longrightarrow a=b$
 - b. $C + a = c + b \longrightarrow a = c$
 - c. $C + a = c + b \longrightarrow b = c$
 - d. $C + a = c + b \longrightarrow a=b=c$
- 21) G.M between two number 4 and -81 is
 - a. 324
 - b. -324
 - c. -18
 - d. None
- 22) The common ratio of a geometric sequence cannot be
 - a. 3
 - b. 1



- c. 2
- d. 0
- 23) Three G.M between 5 and 0.008 are
 - a. 02,0.5,0.6
 - b. 0.02, 0.05 0.06
 - c. 1.0, 2,0.04
 - d. None
- 24) Geo metric sequence cannot contain
 - a. 0
 - b. 1
 - c. ½
 - d. None of these
- 25) The 5^{th} term of the G.P. 3,6,12..... is
 - a. 15
 - b. 48
 - c. 2
 - d. 3
- 26) If a, b, c, d are in H.P then ab + bc +cd is
 - a. 3ad
 - b. (a+b)(c+d)
 - c. 3ac
 - d. 3bd
- 27) The sum of the squares of three distinct real numbers, which are in G.P., is S2. If their sum is S then
 - a. $1/3 <= \alpha^2 <= 3$
 - b. $1/3 < \alpha^2 < 1$
 - c. 1 <α<3
 - d. $1/3 < \alpha < 1$
- 28) An A.P., a G.P. and a H.P. have the same first and last terms and the same odd numbers of terms, the middle terms of the three series are in
 - a. A.P.
 - b. G.P.
 - c. H.P.
 - d. None of these
- 29) Let Sn denote the sum of the first in terms of an A.P. if S2n = 3Sn, then S3n = Sn is equal to
 - a. 4
 - b. 6

- c. 8
- d. 10
- 30) $csc(-\alpha)$
 - a. $-\cos \alpha$
 - b. –sec α
 - c. -csc α
 - d. –csc α
- 31) The probability of getting 5, when one dice is called
 - a. ½
 - b. 1/3
 - c. 1/5
 - d. 1/6
- 32) Factorial of -2=
 - a. -362880
 - b. 362880
 - c. 40320
 - d. None
- 33) If A and B are mutually exclusive then p (AUB) =?
 - a. P(A) + P(B)
 - b. P(A) + P(B) P(A B)
 - c. P(A) + P(B) P(AUB)
 - d. P(A) + P(B) + P(AUB)
- 34) The slope of tangent to the curve $y=x^2-2x$ at P(1,1) is
 - a. 2
 - b. 0
 - c. -2
 - d. None
- 35) The solution set of the equation |3x + 2| = 5 is
 - a. Ø
 - b. {1}
 - c. $\{-7/3\}$
 - d. $\{1, -7/3\}$
- 36) A machine operates if all of its three components function. The probability that the first component fails during the year is 0.14 the second component fails is 0.10, and the third component fails 0.05. The probability that the machine will fail during the year is
 - a. 0.2647
 - b. 0.2692



- c. 0.3647
- d. None of these
- 37) Give two independent events A and B such that P (A) =0.30 and P (B) =0.60. probability of getting neither A nor B is
 - a. 0.28
 - b. 0.13
 - c. 0.12
 - d. 0.42



- a. Z
- b. Z^2
- c. |z|
- d. $|z|^2$
- 39) If nC2 =nC3, then the value of nC4 is
 - a. 2
 - b. 3
 - c. 5
 - d. 4
- 40) Six identical coins are arranged in a row. The number of ways in which the number of tails is equal to the no.s of heads is
 - a. 20
 - b. 120
 - c. 9
 - d. 40
- 41) If n is not a natural number, then expansion of (1+x)3 is
 - a. -1<x<1
 - b. -1<x<=1
 - c. 2<x<2
 - d. -2<=x<=2
- 42) Sum of odd coefficients in the binomial expansion is equal to
 - a. 2n
 - b. 2n
 - c. 2n-1
 - d. 2(n-1)
- 43) If (3,5) is mid –point s of (5,a) and (b,7) then
 - a. a=1
 - b. b=1



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- d. a=3 b=1
- 44) nC2 = exist where n is _____
 - a. n≠2
 - b. n<2
 - c. n=2
 - d. n>2
- 45) The sum of odd coefficient in the expansion (1+x)4 is
 - a. 4
 - b. 8
 - c. 12
 - d. 14
- 46) The 3600th part of the degree is called____
 - a. Degree
 - b. Minute
 - c. Second
 - d. None
- 47) The 60th part of one minute is called one
 - a. Minute
 - b. Radian
 - c. Degree
 - d. Second
- 48) Measure of the central angle of an arc of a circle whose length is equal to the radius of the circle is known as
 - a. 1 degree
 - b. 1 radian
 - c. 1 right angle
 - d. 1 reflex angle
- 49) A circular wire of radius 3cm is cut straightened and then bent so as to lie along the circumference of a hoop of radius 24 cm. the measure of the angle subtended at the center of the hope is
 - a. 15 degree
 - b. 30 degree
 - c. 45 degree
 - d. 60 degree
- 50) Sin 500-sin 700+ sin100 is equal to

- a. -1
- b. 0
- c. 1
- d. 2
- 51) The value of the expression tan 10 tan20 tan 30 tan40 tha 870 tan88 tan890 is equal to
 - a. 0
 - b. 1
 - c. 2
 - d. 3
- 52) $4\cos^3\alpha 3\cos\alpha = ?$
 - a. $Sin3 \alpha$
 - b. Tan3 α
 - c. $\cos 3 \alpha$
 - d. None
- 53) Sin 12 a
 - a. 3cos34a-4cos4a
 - b. 4cos34a-3cos4a
 - c. 3sin4a -4sin34a
 - d. 4sin4a -3sin34a
- 54) Cos 2α =
 - a. $Sin^2 \alpha + Cos^2 \alpha$
 - b. -cos θ
 - c. Tan Θ
 - d. None of these
- 55) $Sin(180^{\circ} \Theta) =$
 - a. cos θ
 - b. -Cos Θ
 - c. Tan Θ
 - d. sin⊖
- 56) the polar form of complex number $x \neq 1, y =$
 - a. rcosθ +rsinθ
 - b. rcosθ +risinθ
 - c. $rsin\Theta + rcos\Theta$
 - d. $ricos\Theta + rsin\Theta$
- 57) sec(-360°)=____
 - a. 0
 - b. 1
 - c. 2



- d. 3
- 58) $Cos^4\Theta sin^4\Theta =$
 - a. Cos⁴⊖
 - b. Cos²⊖
 - c. -sinO
 - d. Sin²⊖
- 59) The range of cscx is
 - a. [-1,1]
 - b. R
 - c. $R-\{x \mid -1 < x < 1\}$
 - d. None of these
- 60) The period of cotx/3 is
 - a. π
 - b. 2π
 - c. 3π
 - d. 6π
- 61) The graph represents
 - a. Cos x from- 180 to 360 degree
 - b. Sin x from -180 to 360 degree
 - c. Tan x from-180 to 360 degree
 - d. Cot x from-180 to 360 degree
- 62) Range of cot Θ is:
 - a. +ive infinity to -ive infinity
 - b. -1 to 1
 - c. -5 to 5
 - d. Set of even numbers only
- 63) The functions sine and cosine have the closed interval as their range
 - a. [1,0]
 - b. [-1,1]
 - c. [0,1]
 - d. [-1,2]
- 64) If you are looking someone on the ground from the top a hill, the angle formed is the
 - a. Angle of elevation
 - b. Angle of depression
 - c. Constant angle
 - d. Right angle
- 65) The angle above horizontal line and the line of sight is an angle of
 - a. Elevation

- b. Depression
- c. Altitude
- d. None
- 66) R₃=
 - a. $\frac{\Delta}{s-b}$
 - b. $\frac{\Delta}{s-a}$
 - c. $\frac{\Delta}{s-a}$
 - d. $\frac{s-a}{4}$

- 67) R =
- a. $\frac{a}{2sin}$
- b. $\frac{a}{2sin\mu}$
- C. $\frac{c}{2sin\eta}$
- d. $\frac{a}{2\sin\alpha}$
- 68) A tower subtends an angle α at a point on the same level as the root of the tower and at a second point, b meters above the first, the angle of depression of the foot of the tower is β . The height of the tower is
 - a. $b \cot \beta \tan \alpha$
 - b. $b \tan \alpha \tan \beta$
 - c. $b tan \alpha cot \beta$
 - d. none
- 69) The horizontal distance between the two towers is 60m the angular elevation of the top of the taller tower as seen from the top of the shorter one is 30 degree. If height of the taller tower is 150 m, the height of the shorter one is
 - a. 116m
 - b. 200m
 - c. 216m
 - d. None
- 70) The longer side of parallelogram is 10cm and shorter is 6cm. if the longer diagonal makes an angles 30° with the longer side, the length of the longer diagonal is
 - a. $5\sqrt{3} + \sqrt{11}$
 - b. $4\sqrt{3} + \sqrt{11}$
 - c. $5\sqrt{3} + \sqrt{13}$



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d.	N	o	n	
(1.	IN	O	n	ŧ

71) If you are looking a high point from the ground, then the angle formed is

- a. Angle of elevation
- b. Angle of depression
- c. Right angle
- d. Horizon

72) The value of $\cos [\cos^{-1}(-\sqrt{3}/2) + \pi/6]$ is

- a. 1
- b. -1
- c. 0
- d. None

73) If $\cos -1 \text{ p} + \cos -1 \text{ q} + \cos -1 \text{ r} = \pi \text{ then p2} + \text{q2} + \text{r2 +2pqr}$ is equal to

- a. 3
- b. 1
- c. 2
- d. -1

74) Tan-1 x>cot-1x holds for'

- a. X>1
- b. X<1
- c. X=1
- d. All value of x

75) The number of triplets (x, y, z) satisfying $\sin -1x + \cos -1y + \sin -1z = 2\pi$, is

- a. 0
- b. 2
- c. 1
- d. Infinite

76) The direction cosines of y axis are

- a. 1,0,0
- b. 0,1,0
- c. 0,0,1
- d. 1,1,1

77) The value of i⁴ⁿ⁺¹ is

- a. 1
- b. -1
- c. i
- $d. i^2$

78) the unit vector in the positive direction of x axis is

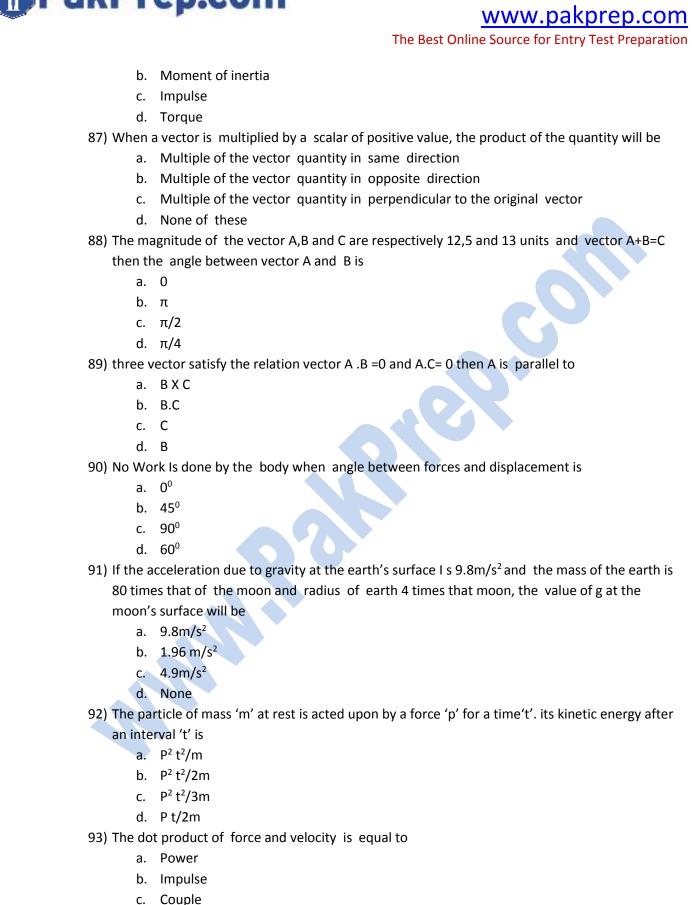
- a. vector i
- b. vector j
- c. vector k
- d. none



a. Force

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79) a vector of magnitude zero is called	
a. position vector	
b. Null vector	
c. Free vector	
d. None of these	
	ves of a function $F(x)$, then the value of $f_1(x)-f_2(x)=$
a. A variable	es of a fametion (x), then the value of 11(x) 12(x)
b. A constant	
c. Undefined	
d. Infinite	
81) What type of science is physics?	
a. Living things	
b. Nonliving things	
c. Experimental science	
d. Study of action and reaction and ex	nerimental science
d. Study of action and reaction and ex	permental science
CO) = 1	
· · · · · · · · · · · · · · · · · · ·	s Is 2F. if the magnitude of each force Is F, then the
angle between these forces is	
a. 0 ⁰	
b. 90°	
c. 120 ⁰	
d. 180°	
83) If the measuring scale has a least count of	10kg then in 8000kg the significant figures are
a. 4	
b. 1	
c. 3	
d. 0	
84) Supplementary S.I units of radian and stera	dian were established to measure
a. Geometrical quantities	
b. Luminous intensity	
c. Electric current	
d. Temperature	
85) S.I unit of magnetic flux is	
a. Weber meter ²	
b. Weber	
c. Weber/meter	
d. Weber/meter ⁴	
86) The physical quantity which produces angu	lar acceleration in the body is







- d. Momentum
- 94) If a force acts on a body whose action line does not pass through its centre of gravity, then the body will experience
 - a. Angular acceleration
 - b. Linear acceleration
 - c. No acceleration
 - d. None of these
- 95) In which case application of angular velocity is useful?
 - a. When a body is rotating
 - b. When velocity of body is in a straight line
 - c. When velocity is in a straight line
 - d. None of these
- 96) Center of mass is a point
 - a. Which is geometric center of a body
 - b. From which distance of particles are same
 - c. Where the whole mass of the body is supposed to be cantered
 - d. Which is origin of reference frame
- 97) Angular momentum has the same unit as
 - a. Impulse x distance
 - b. Linear momentum x time
 - c. Work x frequency
 - d. Power x time
- 98) The flow is said to streamline or laminar when every particle
 - a. Moves in different direction
 - b. Moves along the same path as
 - c. Slowly moves in one direction
 - d. None of these
- 99) The pressure will be low where the speed of the fluid is
 - a. 0
 - b. high
 - c. low
 - d. constant
- 100) A two meter high tank is full of water. A hole is made in the middle of tank .The speed of efflux is
 - a. 4.9m/s¹
 - b. 9.8m/s¹
 - c. 4.42 m/s¹
 - d. 3.75 m/s¹



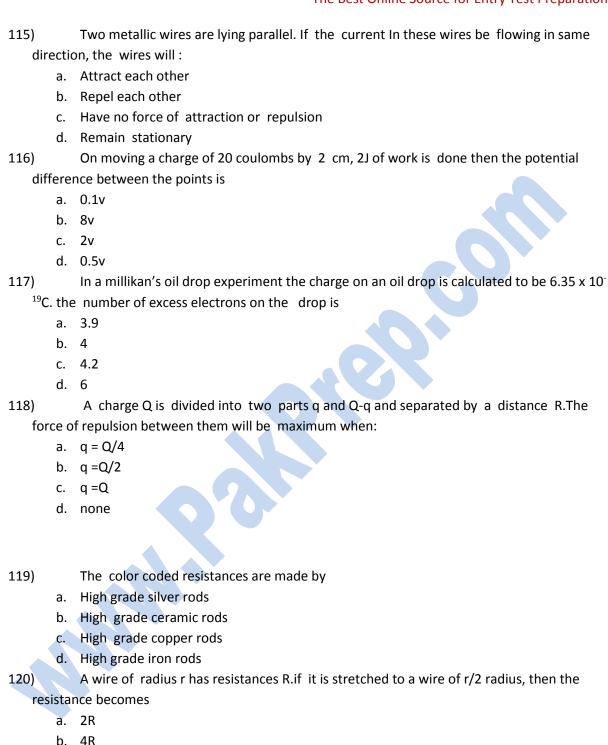
- 101) In case of a vibrating pendulum, the potential energy is maximum at
 - a. Mean position
 - b. Extreme position
 - c. Both a and b
 - d. None
- Specific response of as system which is able to oscillate with a certain period, to an external force acting with the same period is called
 - a. TIME period
 - b. Wavelength
 - c. Resonance
 - d. Dopplar effects
- 103) A simple harmonic oscillator has period of 0.01 second and amplitude of 0.2m. the magnitude of the velocity in m/s at the center of oscillation is
 - a. 100
 - b. 100 π
 - c. 20π
 - d. 40π
- 104) A spherical wave front is that which has
 - a. A source
 - b. A point source
 - c. An extended source
 - d. None of these
- 105) We can hear sound around the corner but cannot see because of
 - a. Interference
 - b. Diffraction
 - c. Polarization
 - d. Dispersion
- 106) Huygens's wave theory of light cannot explain
 - a. Diffraction
 - b. Interference
 - c. Polarization
 - d. Photoelectric effect
- 107) The tip of a needle does not give a sharp image. It is due to
 - a. Polarization
 - b. Interference
 - c. Diffraction
 - d. none



- sun has elliptical shape when it rises and sets due to
 - a. Refraction
 - b. Reflection
 - c. Scattering
 - d. Dispersion
- 109) Number of electric lines of force passing through a certain area is knownas
 - a. Electric field
 - b. Electric flux
 - c. Electric intensity
 - d. Gravitational field
- 110) When a ray of light enters a glass slab from air
 - a. Its wavelength night increases
 - b. Neither Its wavelength nor its frequency changes
 - c. its frequency increases
 - d. Its wavelength decreases
- 111) Which of the following statements is correct for any thermodynamic system?
 - a. The internal energy changes in all processes
 - b. Internal energy and entropy are state functions
 - c. The change in entropy can never be 0
 - d. The work done in an adiabatic process is always 0
- 112) Kelvin scale can be applied ar very low temperature because
 - a. It is independent of nature of working substance
 - b. It is linear over a wide range of temperature
 - c. It is based on triple point of water
 - d. None
- 113) Two metal rods A and have their initial length in the ratio 2:3 and coefficients of linear expansion in the ratio of 4:3. When they are heated through same temperature difference the ratio of their linear expansion is
 - a. 1:2
 - b. 2:3
 - c. 3:4
 - d. 8:9
- 114) Melting point of ice is
 - a. Increases with increasing pressure
 - b. Decreases with increasing pressure
 - c. Is independent of pressure
 - d. Is proportional to pressure



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A uniform resistance wire of length L and diameter d has a resistance R.Another wire of

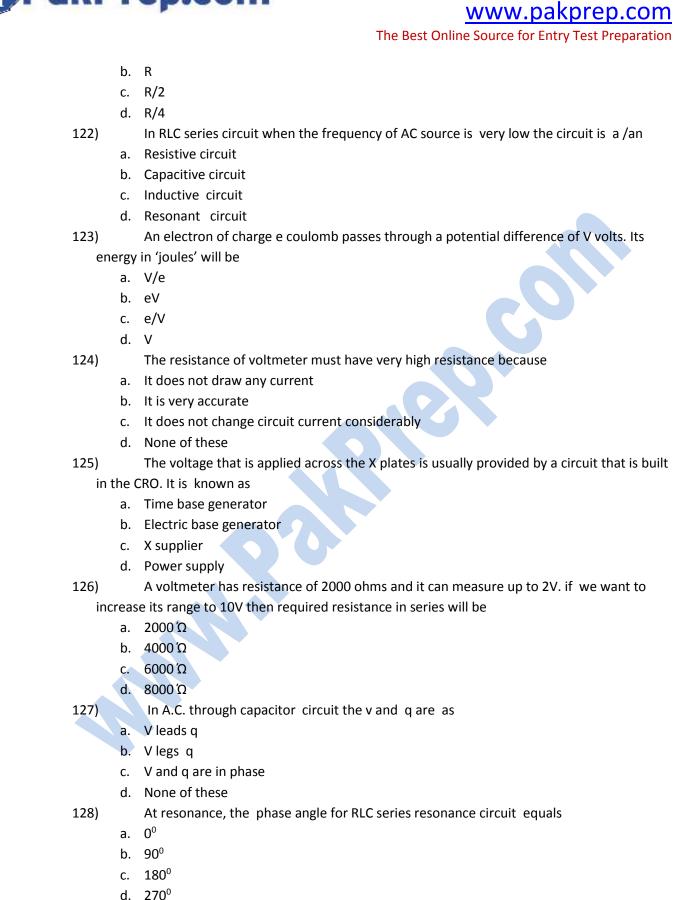
same material has length, 4L and diameter 2d, the resistance will be

a. 2R

121)

c. 16Rd. Zero



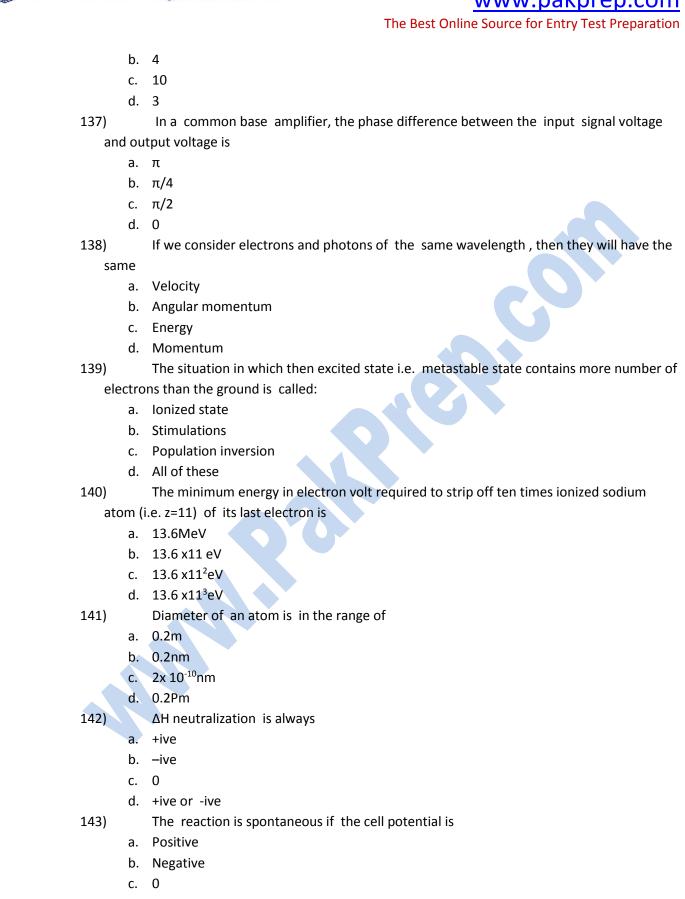




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129) An inductor coil when consume no energy is called a. A coil b. Choke c. Toroid d. None 130) The color of light by light emitting diode depends upon: a. Forward voltage b. Reverse current c. Forward current d. Type of semiconductor Which one of the following physical quantities does not have the dimensions of force 131) per unit area a. Stress b. Strain c. Young's modulus d. Pressure The bulk properties of materials such as their mode of fracture can be related to their 132) a. Polymerization b. Cleavage c. Microstructure d. Dislocation 133) The bonding in an inert gas crystal is due to a. Metallic binding b. Covalent bonding c. Ionic binding d. Vander waals binding A certain transistor has collector current of 10 mA and a base current of 40uA. What is 134) the current gain of the transistor? a. 150 b. 250 300 d. None In a full wave rectifier with input frequency 50 Hz the ripple in the output is mainly of the frequency (in Hz). a. 25 b. 50 c. 100 d. None 136) If an atom exists in the excited state n=5, the maximum number of transition takes place is: a. 6







- d. Infinite
- 144) Mechanical work is especially important in systems that contain
 - a. Solid-liquid
 - b. Liquid-liquid
 - c. Solid -solid
 - d. Gases
- 145) Which one has same number of electrons protons and neutrons?
 - a. N₂ and CO
 - b. H_2 and O_2
 - c. N₂ and CO₂
 - d. H₂ O and H₂S
- 146) Which of the following is not correct?
 - a. Dissolution of NH₄Cl in excess of water is an endo thermic process
 - b. Neutralization is always exothermic
 - c. The absolute value of enthalpy (H) can be determined experimentally.
 - d. The heat of reaction at constant volume is denoted by ΔE .
- 147) Which of the following aqueous solution will be basic?
 - a. NaCl
 - b. Na₂S O₄
 - c. Na₂ CO₃
 - d. FeCl₃
- 148) A start of reaction, concentration of reactants are on
 - a. Higher side
 - b. Lower side
 - c. Optimum side
 - d. Constant
- 149) Idea of PH and POH was put forward by
 - a. Gibbs
 - b. Einstein
 - c. Sorenson
 - d. Chadwick
- 150) The relative atomic mass of chlorine is 35.5. what is the mass of 2 moles of chlorine gas
 - a. 142g
 - b. 35.5g
 - c. 71g
 - d. 18.75g
- 151) Which of the following factors will favor the reverse reaction in a chemical equilibrium

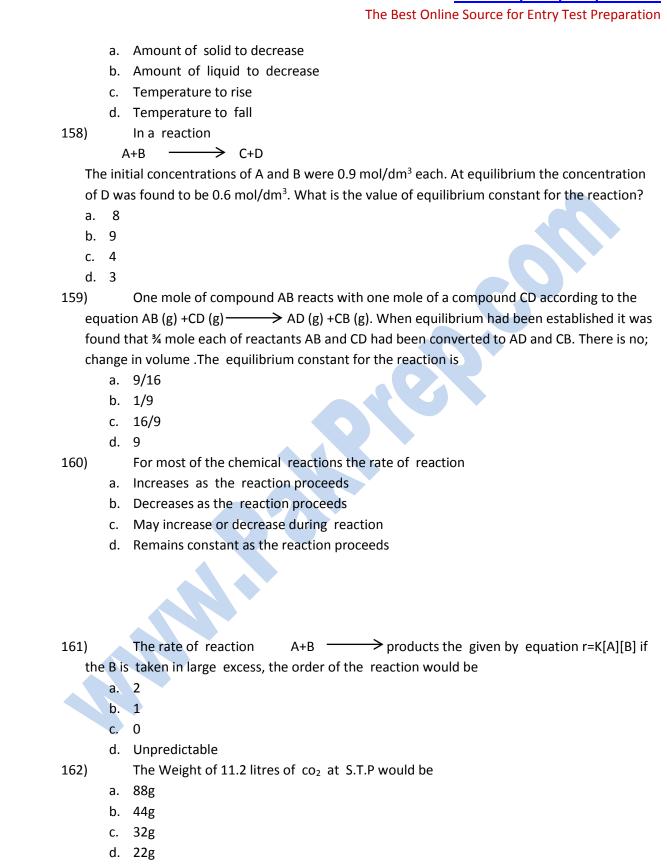


- a. Increase in concentration of one of the reactants
- b. Increase in concentration of one of the products
- c. Removal of one of the products regularly
- d. None of these
- 152) Hydrogen gas and iodine vapors combine to form HI at 425 degree centigrade. The same composition of mixture is present if we start with decomposition of HI. It suggests
 - a. Law of mass action
 - b. A static equilibrium
 - c. Irreversible reaction
 - d. A dynamic equilibrium
- 153) Rate expression fo NH₃ synthesis is
 - a. $Kc = X^2/(a-x)(b-x)$
 - b. $Kc = X^2/v(a-x)$
 - c. $Kc = 4X^2/v(a-x)$
 - d. $Kc = 4X^2v^2/(a-x)(b-3x)^3$
- 154) Agcl dissolved with concentration (Z x 10⁻²)ksp will be
 - a. 3.6×10^{-6}
 - b. 3.6 x10⁻⁵
 - c. 7.2×10^{-6}
 - d. None
- 155) Isotopes differ in the
 - a. Number of atoms
 - b. Number of neutron
 - c. Number of protons
 - d. Number of electrons
- 156) Which of the following will not change the concentration of ammonia in the equilibrium?

$$N_2(g) + 3H_2$$
 \longrightarrow $2 NH_3$ $\Delta H = -xkj$

- a) Increase of pressure
- b) Increase of temperature
- c) Decrease of volume
- d) Addition of catalyst
- 157) According to le chatelier's principal, adding the heat to a solid and liquid in equilibrium will cause the







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- 163) With increase in 10degree centigrade the rate of reaction doubles. This increase in rate of reaction is due to
 - a. Decrease in activation energy of reaction
 - b. Decrease in the number collisions between reactant molecules
 - c. Increase in activation energy of reactants
 - d. Increase in number of effective collisions
- The time taken for 90% of a 1st order reaction to complete is approximately
 - a. 1.1 times that of half life
 - b. 2.2 times that of half life
 - c. 3.3 times that of half life
 - d. 4.4 times that of half life
- 165) The volume occupied by 1.4g of N₂ at S.T.P is
 - a. 2.24 dm³
 - b. 22.4 dm³
 - c. 1.12 dm³
 - d. 112 cm³
- 166) A reaction involving two different reactants can never be
 - a. Uni-molecular reaction
 - b. First order reaction
 - c. Second order reaction
 - d. Bimolecular reaction
- 167) According to law of mass action rate of a chemical reaction is proportional to
 - a. Concentration of reactants
 - b. Molar concentration of reactant
 - c. Concentration of products
 - d. Molar concentrations of products
- 168) Equal volumes of 0.1M AgNo₃ and 0.2 M NaCl are mixed the concentration of NO₃ ions in the mixture will be
 - a. 0.1M
 - b. 0.05M
 - c. 0.2M
 - d. 0.15M
- 169) The set of numerical coefficients that balances the chemical equation

 $K_2CrO_4+HCl \longrightarrow K_2Cr_2O_7+KCl+H_2O$

- a. 1,1,2,2,1
- b. 2,2,1,1,1
- c. 2,1,1,2,1



d. 2,2,1,2,1

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170)		The Van't Hoff factor (i) accounts for		
	a.	Degree of solubilisation of solute		
	b.	The extent of dissolution of solute		
	c.	The extent of dissociation of solute		
	d.	The degree of decomposition of solution		
	Fil	l in the blanks with appropriate word /phrase (1-5)		
171)		According to Dr. Daniel , when the companions of the king, saw the king after he had		
ris	risen from the ground, they said, and we'll fight again			
	a.	It is him		
	b.	It is he		
	c.	It is his		
	d.	It is himself		
172)		When the machines are not lubricated, decreases the speed, putting more load		
on the lifts.				
	a.	Then		
	b.	Than		
	c.			
	d.			
173)		When the chairman became ;very ill his wife began to take more active role in business		
ac	tiviti	ies, and many people belived that and the chairman shared his responsibilities.		
	a.			
	b.	She		
	C.	Herself		
	d.	Hers		
174)		Although most species of set are black in solar is often nurs white		
174)		Although most species of cat are black in color, is often pure white. The Iranian cat		
	a.	Nevertheless the Iranian cat		
	b.	That the Iranian cat		
	c. d.			
175)	u.	, regarded as the world's oldest continuously in habited city, is the main city of		
•	ınjab			
70	a.			
	a. b.			
	о. С.	Multan		
	٠.	matan		



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d. That Multan

Read the paragraph carefully and give answer below:

The history of literature really began was earliest of the arts. Man danced for joy round his primitive camp fire after the defeat and slaughter of his enemy. He yelled and shouted as he danced and gradually the yells and shouts become coherent and caught the measure of the coherent and caught the measure of the dance and thus the first war song was sung. As the idea of God developed prayers were framed. The songs and prayers became traditional and were repeated from one generation to another generation, each generation adding something of its own.

As man slowly grew more civilized, he was compelled to invent some method of writing by three urgent necessities. There were certain things that it was dangerous to forget and which, therefore, had to be recorded. It was often necessary to protect one's property by making tools, cattle and so on, in some distinctive manner. So man taught himself to write and having learned to write purely for utilitarian reasons he used this new method for preserving his war songs and his prayers. Of course, among these ancient peoples, there were only a very few individuals who learned to write, and only a few could read what was written

- 176) Before man invented writing
 - a. Literature was passed on by word of month
 - b. Prayers were considered literature
 - c. Literature was just singing and dancing
 - d. There was no literature
- 177) As for the war songs and prayers each generation
 - a. Added something of its own to the stock
 - b. Blindly; repeated the songs and prayers
 - c. Composed its own songs and prayers
 - d. Repeated what has handed down to it
- 178) The first war song
 - a. Was inspired by God
 - b. Developed spontaneously
 - c. Was a song traditionally handed down
 - d. Was composed by leading dancers
- 179) The war song evolved out of
 - a. Creative inspiration
 - b. There was no literature
 - c. Artistic urge
 - d. Yelling and shouting
- 180) Man invented writing because he wanted
 - a. To be artistic
 - b. To write war song
 - c. To write literature



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d. To record and communicate

181) Iron: blacksmith (analogy)

a. Cotton: cloth

b. Food:gourmet

c. Clay:potter

d. Silver; miner

182) Fish: scales (analogy)

a. Book: papers

b. Snakes: fangs

c. Birds: feather

d. Car: wheels

183) Nose: smell (analogy)

a. Tongue: speak

b. Foot: hit

c. Hand: finger

d. Teeth: chew

184) Collage: images (analogy)

a. Cement : building

b. Medley: songs

c. furniture: sofa

d. Grains: tree

185) Sketch: artist (analogy)

a. Secret : confident

b. Cell: prisoner

c. Palette: painter

d. Draft:writer

186) Fragile: (synonyms)

a. Strong

b. Grave

c. Weak

d. Showy

187) Esoteric : (synonyms)

a. Fair

b. Popular

c. Alluring

d. Private

188) Synchronized: (antonym)

a. Arrhythmic



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- b. Resonating
- c. Harmonized
- d. Brought into accord
- 189) Chaotic: (antonym)
 - a. Immersive
 - b. Orderly
 - c. Hectic
 - d. Steady
- 190) Bombastic: (antonym)
 - a. Creative
 - b. Selfish
 - c. Astounded
 - d. Polite
- 191) The current president of European union belong to which country
 - a. Greece
 - b. Austria
 - c. Germany
 - d. Latavia
- 192) When did nuclear scientist Dr. Abdul Qadeer Khan dissolve his political party tehreek-i-

tahafuz-i- Pakistan?

- a. 27 jan, 2014
- b. 18 jan, 2014
- c. 1 jan, 2014
- d. 10 jan, 2014
- 193) Who visited Pakistan and agreed to enhance their defense cooperation and support each other's position on regional issues, including Syria and Afghanistan?
 - a. Saudi foreign minister
 - b. American foreign minister
 - c. German foreign minister
 - d. French foreign minister
- 194) The international day of peace sometime unofficially known as world peace day, is observed annually on:
 - a. 21st September
 - b. 23rd September
 - c. 12th October
 - d. None of these



- 195) International day for the elimination of violence against racial discrimination is observed annually on:
 - a. 23rd may
 - b. 21st march
 - c. 1st march
 - d. None of these
- 196) The 'KASHAF-UL-MAHJUB' was written by?
 - a. HAZRAT DATA GUNJ BUKSH(R.A)
 - b. Maulana Altaf Hussain Hali
 - c. Maulana Shibli Nomani
 - d. Maulana Zakaullah
- 197) Which are five international languages of the world that has been classified as the classical languages?
 - a. Chinese , Sanskrit, Arabic, Russian, and Latin
 - b. Chinese, French, English, Greek, and Latin
 - c. Chinese, Sanskrit, Arabic, Greek, and Latin
 - d. None of these
- 198) In which nuclear plant of japan did the radioactive water leak of 100 tones took place?
 - a. Ikata nuclear power plant
 - b. Kashiwazaki ,karima nuclear power plant
 - c. Fukushima nuclear power plant
 - d. Hamaoka nuclear power plant
- 199) The book titled "the Meaning of success: Insight from women" has been released by which world famous university to address the decline of women professors in the university?
 - a. Oxford university
 - b. London school of economics
 - c. Cambridge university
 - d. Harvard university
- 200) Which player of England is only bats man to achieve the rare feat? He made 333 and 123 against India at lord's in 1990?
 - a. Graham Gooch
 - b. Ricky pointing
 - c. Mathew
 - d. Gilchrest