NUST Past Paper – Computer Sciences

Total Time: 3 Hrs **Total Question: 200**

1. If ncr donates the number of combinations of in things taken rate a time, then the expression

 ${}^{n}c_{r+1} + {}^{n}c_{r-1} + 2 {}^{n}c_{r}$ equals

- a. n+2cr
- c.
- d. $^{n+2}c_{r+1}$
- 2. The number of integral terms in the expansion of $(\sqrt{3} + \sqrt[8]{5})^{256}$ is
 - a. 32
 - b. 33
 - c. 34
 - d. 35
- 3. If x is positive, the 1^{st} negative term in the expansion of $(1 + X)^{27/5}$ is moraldumya.com
 - a. 7th term
 - b. 5th term
 - c. 8th term
 - d. 6th term
- 4. Solution set of 2 Cose + $\sqrt{3}$ = 0 is
 - a. Finite
 - b. In finite
 - c. Ø
 - d. None
- 5. \forall a, b, ε R, ab ε R
 - a. Commutative law of multiplication
 - b. Associative law of multiplication
 - c. Closure law of multiplication
 - d. Multiplicative identity
- 6. If in a triangle ABC a $Cos^2(C/2) + c Cos^2(A/2) = 3b/2$, then the sides a,b and c
 - a. Are in A.P
 - b. Are in G.P
 - c. Are in High
 - d. Satisfy a + b = c
- 7. In a triangle ABC, medians AD and BE are drawn. If AD = $4 \angle$ DAB= $6 \angle$ ABE = $\pi/3$ then the angle of ΔABC is
 - a. 8/3
 - b. 16/3

| | d. | 64/3 |
|-----|----------|--|
| 8. | The tr | igonometric equation $\sin^{-1} x = 2 \sin^{-1} a$, has a solution for |
| | a. | ½ < a < 1/ √2 |
| | b. | All real values of a |
| | c. | All real values of a |
| | d. | a ≥ 1/ √2 |
| 9. | The ge | eneral solution of the equation 1 + cos X = 0 is |
| | a. | $\pi/2 + 2n\pi$ |
| | b. | $-\pi/2$ $+2$ $n\pi$ |
| | c. | π + 2nπ |
| | d. | $-\pi + 2n\pi$ |
| 10. | Tote re | eal number x when added to its inverse gives the minimum value of the sum at x equal |
| | a. | 2 |
| | b. | 1 |
| | c. | -1 |
| | d. | -2 |
| 11. | If sin x | = ½, then x = |
| | a. | π/6 ,5π/6 |
| | | -π/6 , 5 π/6 |
| | | $\pi/6$, $5\pi/6$ $-\pi/6$, $5\pi/6$ $-\pi/6$, $-5\pi/6$ $\pi/3$, $2\pi/3$ |
| | | |
| 12. | | = x^n then the value of $f(1) - f'(1) / 1! + f''(1) / 3! - f'''(1) / 3! ++ (-1)^n f^n(1) / n!$ |
| | is | |
| | a. | 2 ⁿ |
| | b. | 2 ⁿ⁻¹ |
| | c. | 0 |
| | d. | 1 |
| 13. | | n of definition of the function $f(X) = 3 / 4 - x^2 + \log_{10}(x^3 - x)$ is |
| | | (1,2) |
| | | (-10) U (1,2) |
| | | (1, 2) U (2, ∞) |
| | a. | (-1,0) U(1,2) U (2,∞) |
| 14. | lim x | $\rightarrow \frac{\pi}{2} \left[1 - \tan(x/2) \right] \left[1 - \sin(x/2) \right] \pi + \tan(x/2) \pi$ |
| | a. | 1/8 |
| | b. | $(-1,0) \cup (1,2) \cup (2,\infty)$ $\rightarrow \frac{\pi}{2} [1 - \tan(x/2)][1 - \sin x]/[1 + \tan(x/2)][\pi + 2x]^3$ 1/8 0 1/32 ∞ |
| | C. م | 1/32 ∞ |
| | | $b c c R a - b v b - c \rightarrow a - c$ |

c. 32/3

15. If \forall a, b, c, ε R a = b v b = c \rightarrow a = c a. Reflexive property

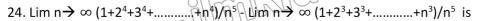
| | b. | Symmetric property |
|-----|----------|--|
| | c. | Transitive property |
| | d. | Additive property |
| 16. | The eq | uation of the normal to the circle $x^2 + y^2 = 2.5$ at(4, 3) is |
| | a. | 3x - 4y = 0 |
| | b. | 3x-4y=5 |
| | c. | 3x - 4y = 0 3x - 4y = 5 4x + 3y = 5 |
| | d. | 4x + 3y = 25 |
| 17. | Let f(a) | = g(a) = K and their in derivatives fin (a), $gn(a)$, exist and are not equal for some n. |
| | furthe | rif $\lim_{x \to a} \left[f(a)g(x) - f(a) - g(a)f(x) + g(a) \right] / g(x) - f(x) = 4$, then the value of |
| | k is | |
| | a. | 4 |
| | b. | 2 |
| | c. | 1 |
| | d. | 0 |
| 18. | The fu | $\operatorname{nction} f(x) = \log (x\sqrt{x^2 + 1}) \text{is}$ |
| | a. | An even function |
| | b. | An odd function |
| | C. | An periodic function Neither an even nor an odd function |
| | d. | |
| 19. | If the f | unction $f(x) = 2x^3 + 9ax^2 + 12a^2x + 1$ where $a>0$, attains its maximum and minimum at p |
| | and q | respectively such that p =q, then a equals |
| | a. | 3 WANNOULLE |
| | b. | 1 |
| | C. | 2 |
| | | 1/2 |
| 20. | | e^{y} , $g(y) = y:y>0$ and $F(t) = {}_{0}\int^{t} f(t-y) g(y) dy$, then |
| | | $F(t)=1-e^{-1}(1+t)$ |
| | b. | $F(t)=e^{t}(1+t)$ |
| | C. | $F(t)=te^{t}$ |
| | | F(t)= t e -t |
| 21. | If f(a + | b-x)= $f(x)$, then $_a \int^b x f(x) dx$, is equal to |
| | a. | $a+b/2 = \int_{a}^{b} f(b-x)dx$ $a+b/2 = \int_{a}^{b} f(x)dx$ |
| | b. | $a+b/2$ $a \int b f(x) dx$ |

c. $b-a/2 \ _{a} \int^{b} f(x) dx$ d. $a+b/2 \ _{a} \int^{b} f(a+b-x) dx$

a. 3b. 2c. 1

22. The value of $\lim_{x \to 0} x \sec^2 t \, dt / x \sin x$

- 23. The value of the integeral $I = \int_0^1 x(1-x)^n dx$ is
 - a. 1/n+1
 - b. 1/n+2
 - c. (1/n+1) (1/n+2)
 - d. (1/n+1)+(1/n+2)



- a. 1/30
- b. 0
- c. 1/4
- d. 1/5
- 25. Solution of $1 + \cos x = 0$ is
 - a. $\pi/2$
 - b. π
 - c. 2π
 - d. None
- 26. Express as a sum or difference 2 sin 5 θ cos θ Jidumya.com
 - a. Cos 4 θ cos 2 θ
 - b. $\sin 4 \Theta + \sin 2 \Theta$
 - c. $\cos 4 \Theta + \cos 2 \Theta$
 - d. Sin 4 θ sin 2 θ
- 27. Let f(x) be a function satisfying f(x)=f(x) with f(0)=1 and g(x) be a function that satisfies f(x)+ $g(x) = X^2$ then the value of the integral $\circ \int_0^1 f(x)g(x)dx$ is
 - a. $e e^2/2 5/2$
 - b. $e + e^2/2 3/2$
 - c. $e e^2/2 3/2$
 - d. $e + e^2/2 + 5/2$
- 28. the degree and order of the differential equation of the family of all parabolas whose axis is x axis are respectively
 - a. 2,1
 - b. 1,2
 - c. 3,2
 - d. 2,3
- 29. The solution of the differential equation (1+y)
 - a. $(X-2) = ke^{-tan-1y}$
 - b. 2xe^{2tan-1}y
 - c. $xe^{-tan-1y} = tan-1y + k$
 - d. $2xe^{-2tan-1y} = e^{tan-1y} + k$

30. Locus centroid of the triangle whose vertices are (a cost, a sin t,), (b sin t, -b cost), and (1,0) where is a parameter is $(3x + 1)^{2} + (3y)^{2} = a^{2} + b^{2}$ d. $(3x + 1)^{2} + (3y)^{2} = a^{2} + b^{2}$

a.
$$(3x - 1)^2 + (3y)^2 = a^2 - b^2$$

b.
$$(3x - 1)^2 + (3y)^2 = a^2 + b^2$$

c.
$$(3x + 1)^2 + (3y)^2 = a^2 + b^2$$

d.
$$(3x + 1)^2 + (3y)^2 = a^2 - b$$

- 31. If the pair of straight lines x^2 -2qxy-y x^2 = 0 and x^2 -2qxy-y x^2 bisects the angle between the other pair then = 0 be such that each pair
 - a. P=q
 - b. Ps-q
 - c. Pq = 1
 - d. Pq=-1
- 32. A square of side a lies above the x-axis and has one vertex at the origin the side passing through the origin makes an angle $\alpha(0<\alpha<4-)$ with positive direction of x axis the equation of its diagonal not passing through the origin is
 - a. $Y(\cos \alpha \sin \alpha) x(\sin \alpha \cos \alpha) = a$
 - b. $Y(\cos \alpha + \sin \alpha) + x(\sin \alpha \cos \alpha) = a$
 - c. $Y(\cos \alpha + \sin \alpha) + x(\sin \alpha + \cos \alpha) + a$
 - d. $Y(\cos \alpha + \sin \alpha) + x(\sin \alpha \cos \alpha) = a$
- 33. If the two circles $(x-1)^2+(y-3)^2=r^2$ and $x^2+y^2=8x+2y+8=0$ intersect in two distinct points then
 - a. 2<r<8
 - b. r<2
 - c. r=2
 - d. R>2
- 34. Cos x = 1/2 has a solution
 - a. $\pi/2$
 - b. $\pi/3$
 - c. $\pi/4$
 - d. $\pi/6$
- 35. if $\sin x + \cos x = 0$ then x =
 - a. $\pi/4$, $\pi/4$
 - b. $-\pi/4, -\pi/2$
 - c. $-\pi/4$, $3\pi/4$
 - d. None
- ilmikidumya.com 36. A tetrahedron has vertices at O (0,0,0), A(1,2,1) B(2,1,3) and C(-1, 1,2) then the angle between the faces OAB and ABC will be
 - a. $Cos^{-1}(19/35)$
 - b. $Cos^{-1}(17/31)$

| | d. | 90° |
|-----|----------|--|
| 37. | The ra | dius fo the circles in which the sphere $x^2+y^2+z^2+2x-2y-4z-19=0$ is cut by |
| | a. | 1 |
| | b. | 2 |
| | c. | 2 3 |
| | d. | 4 |
| 38. | The ed | quation containing at least one trigonometric function are called |
| | a. | Trigonometric equation |
| | b. | algebraic equation |
| | С. | trigonometric sentence |
| | d. | algebraic sentence |
| 39. | | o lines x =ay +b, z=cy +d and x=ay +b, c=cy +d will be perpendicular if and only if |
| | | aa'+bb'+cc'+1=0 |
| | | aa'+bb'+cc'=0 |
| | | (a+a')(b+b')+(c+c')=0 |
| | | aa' +cc'+1=0 |
| 40. | | ortest distance from the plane $12x + 4y + 3z = 327$ to the sphere $x^2 + y^2 + z^2 + 4x - 2y - 6z = 155$ is |
| | a. | 26 |
| | | 11 (4/13) |
| | c. d. | 13 39 |
| 11 | | 39 1 x+sec-1.x 1 |
| 41. | a. | 1 27 20 20 20 20 20 20 20 20 20 20 20 20 20 |
| | a. b. | π/6 |
| | о. С. | πλ2μγγγγγγγγγγγγγγγγγγγγγγγγγγγγγγγγγγγγ |
| | d. | $3\pi/4$ |
| 42. | | edian of a set of 9 distinct observation is 20.5 if each of the largest 4 observation of the |
| | | ncreased by 2 then the median of the new set |
| | a. | Increased by 2 |
| | b. | Decreased by 2 |
| | c. | Is two times the original median |
| | d. | Remains the same as that of the original set |
| 43. | Divisio | n is a binary operation in |
| | a. | The set of rational numbers |
| | b. | The set of real numbers |
| | c. | The set of real numbers The set of R-(0) |
| | d. | The set of R-(0) |

44. The mean and variance of a random variable having a binomial distribution are 4 and 2

respectively then P(x=1) is

c. 30°

| c. 1/8 | |
|--|------|
| d. ¼ | |
| 45. Let $R = \{(1,3),(4,2)(2,4)(2,3),(3,1)\}$ be a relation on the set $A = \{1,2,3,4\}$. the relation R is | |
| a. A function b. Reflexive | |
| b. Reflexive | |
| c. Not symmetric | |
| d. Transitive | |
| 46. Two trigonometric functions are drawn taking same scale from- π to π in the following grap | h it |
| represents | |
| a. Cosx and sec x | |
| b. Sinx and csc x | |
| c. Cos x and sinx | |
| d. – cos x and sinx | |
| 47. If $Z = (1, 2)$ then $Z^{-1} = ?$ | |
| a. (1/5,1/2) b. (-1/5,1/2) | |
| c. (1/5,-1/2) | |
| d. (-1/5,-1/2) | |
| ~~~ | |
| 48. If z=x-iy and $z^{1/3}$ P+iq, then $(x/p + y/q)/(p^2 + q^2)$ is equal to a. 1 | |
| b2 | |
| c. 2 | |
| d1 - 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | |
| 49. If $ z^2-1 = z^2 +1$, then z lies on | |
| a. The real axis | |
| b. An ellipse | |
| c. A circle | |
| d. The imaginary axis | |
| 50. $\forall Z \in \mathbb{C}, Z ^2 = ?$ | |
| a. Z ² | |
| b. (Z <u> </u>) ² | |
| c. Z.Z | |
| d. Z | |
| 51. Minimum number of equation for any system of equation a. A ≠ c 0 | |
| b. A = 0 | |
| c. A =∞ | |
| d. none | |
| 52. if a1,a2,a3a _n are in G.P then the value of the determinant | |
| $ logan \qquad logan + 1 logan + 2 $ | |
| | |

b. 1/16

| | | $ logan + 3 logan + 4 logan + 5 \mid$ |
|-----|----------|--|
| | | logan + 6 logan + 7 logan + 8 |
| | ls | |
| | a. 0 | |
| | b2 | |
| | c. 2 | n sannin Vesos |
| | d. 1 | alealyjdumya.com |
| 53. | Let tw | o numbere have arithmetic mean 9 and geo metric mean 4 then these numbers are |
| | the roo | ots of the quadratic equation |
| | | $X^2 + 18 \times + 16 = 0$ |
| | | X^2 -18 x -16= 0 |
| | C. | $X^2 + 18 \times -16 = 0$ |
| | d. | $X^2 - 18 \times + 16 = 0$ |
| 54. | If (1-p) | is a root of quadratic equation $X^2 + px + (1-p)=0$ then its roots are |
| | a. | 0,1 |
| | | -1,2 |
| | C. | 0, -1 |
| | | -1,1 |
| 55. | Let S (k | x) = 1+3+5++(2K -1)=3+k2. Then which of the following is true |
| | a. | |
| | b. | Principle of mathematical induction can be used to prove the formula |
| | c. | S(K)=S(K+1) |
| | _ | S(K)=S(K+1) |
| 56. | Z+ Z is | |
| | a. | A real number |
| | b. | Irrational number |
| | C. | |
| | d. | Complex number |
| 5/. | | mber of a ways of distributing a identical balls ;in 3 distinct boxes so that none of the |
| | | is empty is |
| | a. | |
| | b. | 8 |
| | С. | 38 |
| | d. | 8 38 21 Solution Value of the equation Value of Va |
| 58. | | root of the equation $X2 + px + 12 = 0$ is 4, while the equation $X2 + px + q = 0$ has equal |
| | | hen the walue of q is |
| | | 49/4 |
| | b. | 4 |
| | C. | 3 |
| | a. | 12 |

59. -1 in polar form can be written as

| | b. $\cos n/2 + 1 \sin n/2$ | |
|-----|---|------|
| | c. Cos 2θ + I sin 2θ | |
| | d. Cos 3n/2 + I sin 3n/2 | |
| 60. | d. Cos $3n/2 + I \sin 3n/2$ The coefficient of x^n in expansion of $(1+x)(1-x)^n$ is | |
| | a. (n-1) | |
| | b. (-1)n(1-n) | |
| | c. $(-1)^{n-1}(n-1)^2$ | |
| | d. $(-1)^{n-1}(n)$ | |
| 61. | f $S_{n} = \sum_{r=0}^{n} 1/nCr$ and $t_n = \sum_{r=0}^{n} r/nCr$ then t_n/s_n is equal to | |
| | a. ½n | |
| | b. ½ n-1 | |
| | c. N-1 | |
| | d. 2n-1/2 | |
| 62. | et Tr be the rth term of A.P whose first term is a and common difference is d. if for some | |
| | positive integers m.n m \neq n , T_m =1/n and T_n =1/m then a-d equal to | |
| | a. 0 | |
| | b. 1 | |
| | b. 1 c. 1/mn | |
| | d. 1/m +1/n | |
| | The sum fo the first n terms of the series $12+2.22+32.42+52.62+\cdots$ is n (n+1) ₂ /2 when | n is |
| | even. when n is odd the sum is | |
| | a. 3n(n+1)//2 | |
| | b. $N^2(n+1)/2$ | |
| | c. $n(n+1)^2/2$ | |
| | d. [n(n+1)/2] ² | |
| 64. | in 540° ₌ | |
| | a. 0 | |
| | b. 1 | |
| | c. 2 | |
| 65 | d. 3 | |
| | Let α be β such that $\pi < \alpha - \beta < 3$ π if $\sin \alpha + \sin \beta = -21/65$ and $\cos \alpha + \cos \beta = -27/65$ then the | |
| | value of cos a-b/2 is | |
| | Let α be β such that $\pi<\alpha-\beta<3$ π if $\sin\alpha+\sin\beta=-21/65$ and $\cos\alpha+\cos\beta=-27/65$ then the value of $\cos a$ -b/2 is a. $3/\sqrt{130}$ b. $3/\sqrt{130}$ c. $6/65$ d. $-6/65$ f. $u=\sqrt{a2\cos 2\theta}+b2\sin 2\theta+\sqrt{a2\sin 2\theta}+b2\cos 2\theta$ then the difference between the | |
| | b. 3/V130 | |
| | C. 6/65 | |
| | a6/65/11/10 | |
| | f u = $\sqrt{a2\cos 2\theta}$ + b2 sin2 θ + $\sqrt{a2\sin 2\theta}$ + b2 cos2 θ then the difference between the | |
| | naximum and minimum values of u ² is given by | |

a. $\cos \Theta + 1 \sin \Theta$

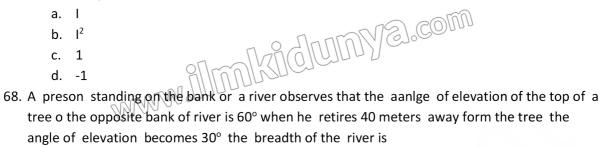
a. $2(a^2+b^2)$

| b | | $2\sqrt{a^2 + b^2}$ |
|------------------------|-----|---------------------|
| С | | $(a + b)^2$ |
| d | | $(a-b)^2$ |
| 67. The i ¹ | 101 | is equal to |
| а | | 1 |

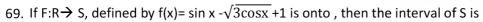
b. I^2

c. 1

d. -1



- a. 20m
- b. 30m
- c. 40m
- d. 60m



- a. [0,3]
- b. [-1,1]
- c. [0,1]
- d. [-1,3]



70. The graph of the function y = f(x) is symmetrical about the line x=2 then

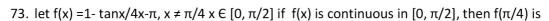
- a. f(x+2) = f(x-2)
- b. f(2+x) = f(2-x)
- c. f(x) = f(-x)
- d. f(x) = -f(-x)

71. the domain of the function $f(x) = \sin^{-1}(x-3)/\sqrt{9-x^2}$ is

- a. [2,3]
- b. [2,3]
- c. [1,2]
- d. [1,2]

72. If $\lim_{x \to \infty} (1 + \frac{a}{x} + \frac{b}{x^2})^{2x} = e^2$ then the value of a and because

- a. aER, bER
- b. a=1, b€R
- c. aER, b=2,7000
- d. a=1, b=2



a. 1

| 0. 72 |
|--|
| c1/2 |
| d1 |
| 74. Of $x = e^{y+(e)}$ x>0, then dy/dx is |
| a. x/x+1 |
| b. 1/x |
| a. x/x+1 b. 1/x c. 1-x/x d. 1+x/x |
| |
| 75. √0.0001 is |
| a. An integer |
| b. An irrational number |
| c. Rational number |
| d. An imaginary number |
| 76. A function $y = f(x)$ has a second order derivative $f'(x) = 6(x-1)$. If its graph passes through the |
| point(2,1) and at that point the tangent to the graph is $y=3x-5$, then the function is |
| a. (x-1) ² |
| b. (x-1) ³ |
| c. $(x+1)^3$ |
| d. (x+-1) ² |
| 77. The normal to the curve x=a(1+cos).y= a sin Θ at ' Θ ' always passes through the fixed point |
| a. (a,0) |
| b. (0,a) |
| c. (0,0) d. (a,a) |
| d. (a,a) |
| 78. If $2a + 3b + 6c = 0$, then at least one root of the equation $ax^2 + bx + x = 0$ lies in the interval |
| a. (0,1) |
| b. (1,2) |
| c. (2,3) |
| d. (1,3) |
| Sec x =tan x is a |
| a. Equation |
| b. Trigonometric equation |
| c. Algebraic equation |
| d. Set |
| 80. The equations containing at least one trigonometric function is called |
| a. Trigonometric equation |
| b. Algebraic equation |
| c. Trigonometric sentence |
| d. Algebraic sentence |
| 81. Pick over the wrong statement |

a. When an electron is shot at right angles to the electric field, it traces a parabolic path.

79.

| b. An electron moving in the direction of the electric field gains K.E |
|---|
| c. An electron at rest experiences no force in the magnetic field |
| d. The gain in the K.E of the electron moving at right angles to the magnetic field is 0 |
| 82. A proton and an alpha particle are accelerated under the same potential difference. The ratio of |
| de-Broglie wavelength of the proton and the alpha particle is |
| a. $1/\sqrt{8}$ |
| b. 1 |
| c. 2 |
| d. $\sqrt{8}$ |
| 83. Spectrum of sunlight is an example for |
| a. Line absorption spectrum |
| b. Continuous emission spectrum |
| c. Continuous absorption spectrum |
| d. Band emission spectrum |
| 84. J(k x j) is equal to |
| a1 |
| b. 0 |
| c. 1 |
| d. 2 |
| 85. Decay constants of two radioactive samples A and B are 15x and 3x respectively. They have |
| equal number of initial nuclei. The ratio of the number of nuclei left in A and B after time is |
| 1/6x is |
| $a. e^2$ |
| b. e ⁻¹ |
| c. e ⁻² |
| d. e |
| 86. the angle subtended at the center of a sphere by its surface area is equal to |
| a. $4/3\pi$ radian |
| b. 4/3π steradian |
| c. 4π radian |
| d. 2π steradian |
| 87. Copper and germanium are cooled from room temperature to 100K. Then the resistance a. Germanium decreased and copper decreased |
| |
| |
| d. Commonium docreased and conner increased |
| 88. The most stable particle in the baryon group is a. Proton |
| a. Proton |
| b. Lambda particle |
| |
| c. Sigma particle |
| Magaz |
| |

| | d. Neutron | |
|-----|---|-----------------------------------|
| 89. | 39. Frequency of light incident on a system of scattering particles are | in the ratio 1:2. Then, the |
| | intensity of light in particular direction is | |
| | a. 1:2 | |
| | b. 1:8 | ~~~ |
| | c. 1:16 | COM |
| | d. 1:4 | |
| 90. | 90. The ratio of the magnetic dipole moment to the angular moment | um of the electron in the 1st |
| | orbit of hydrogen atom is | |
| | a. e/m | |
| | b. 2m/e | |
| | c. m/e | |
| 0.4 | d. e/2m | |
| 91. | 1. milk is an example for | |
| | a. foam | |
| | b. elastic gel | |
| | c. emulsion | |
| 92 | d. in-elastic gel32. A body of mass 'm' is travelling with a velocity 'u'. When a consta | nt retarding force 'f' is applied |
| 32. | it comes to rest after travelling a distance 'S1'. If the initial veloci | |
| | 'f', the distance travelled it comes to rest is '\$2', then | cy a 20, which the same force |
| | a. S ₂ =S ₁ /2 | |
| | b. S ₂ =S ₁ | |
| | c. S ₂ =4S ₁ | |
| | d. $S_2=2S_4$ | |
| 93. | 93. [M ⁰ L ⁰ T ⁰] are the dimension of | |
| | a. Strain | |
| | b. Refractive index | |
| | c. Magnification | |
| | d. Diphtheria | |
| 94. | 94. A straight wire of length 2 m carries a current of 10A. if this wire | |
| | field of 0.15T making an angle of 45° with the magnetic field, the | e applied force on the wire wil |
| | be | |
| | a. 15N | ~~ |
| | b. 3N | COLUI |
| | c. $3\sqrt{2}N$ | ,00 |
| | b. $3N$ c. $3\sqrt{2}N$ d. $3/\sqrt{2}N$ | |
| | | |
| 95. | 95. Two element A and B with atomic numbers Z_A and Z_B are used | |
| | rays with frequencies of vA and vB respectively if Z_A : Z_B =1:2, the | en vA : vB will be |

| a. | 1:√2 |
|-----|---------|
| | 1:8 |
| c. | 4:1 |
| d. | 1:4 |
| de | Brogl |
| uun | n) is e |
| a. | 1:4 |
| b. | 1:2 |

96. The lie wavelength of an electron moving with a velocity of C/2(C=velocity of light in qual to the wavelength of a photon. The ratio of RE of electrons and photons is vac

97. Two infinite parallel metal planes, contain electric charges with charge densities $+\sigma$ and $-\sigma$ respectively and they are separated by a small distance in air. if the permittivity of air is €0 then the magnitude of the filed between the two planes with its direction will be

a. σ/ϵ_0 toward the +ively charged plane

b. σ/ϵ_0 toward the -ively charged plane

c. $\sigma/(2 \epsilon_0)$ toward the +ively charged plane

d. 0 and toward any direction

98. Heat is produced at a rate given by; H in a resistor when it is connected across a supply of voltage v. if now the resistance of the resistor is doubled and the supply voltage is made V/3 then the rate of production of heat in the resistor will be

a. H/18

b. H/9

c. 6H

d. 18H

99. The magnitude of the resultant of 2 forces is 2F. if the magnitude fo each force is F, then the angle between these forces is

- a. 0⁰
- b. 90°
- c. 120°
- d. 180°

100. A box of mass 2 kg is placed on the roof of a car. The box would remain stationary until the car attains a maximum acceleration. Coefficient of static friction between the box and the roof of the car is 0.2 and $g=10ms^{-2}$ this maximum acceleration of the car, for the box to remain stationary, is jdlumya.com

a. 8ms⁻²

b. 6ms⁻²

c. 4ms⁻²

d. 2ms⁻²

101. The decimal number equivalent to a binary number 1011001 is

a. 13

b. 17

| | C. | 03 | |
|---|----------|---|--|
| | d. | 178 | |
| 102 | | | |
| first overtone of an open of length l_2 the ratio of their lengths (l_1 : l_2) is | | | |
| | a. | 2:3 | |
| | b. | 4:5 | |
| | C. | 3:5 | |
| | d. | 3:4 | |
| 103 | | In a slide calipers ,(m+1) number of veneer divisions is equal tom number of smallest | |
| | | cale division, if d unit is the magnitude of the smallest main scale division, then the | |
| | magni | tude of the veneer constant is | |
| | a. | d/(m+1) unit | |
| | b. | d/m unit | |
| | C. | md/(m+1) unit | |
| | d. | (m+1)/m unit | |
| 104 | | A wheat stone bridge has the resistances 10ohm, 10ohm, 10ohm, and 30ohm in its four | |
| | | What resistance joined in parallel to the 30 ohm resistance will bring it to the balanced | |
| | condit | | |
| | a. | 2 ohm | |
| | b. | 5 ohm 10 ohm | |
| | C. | | |
| | d. | 15 ohm | |
| 105 | | An electric bulb marked as 50 w-200v is corrected across a 100V supply thepresent | |
| | power | of the bulb is | |
| | a. ' | 37.50 | |
| | b. | 25W | |
| | C. | 12.5W | |
| 100 | | 10w | |
| 106 | | In a mercury thermometer the ice point (lower fixed point) is marked as 10° and the | |
| | | point (upper fixed point) is marked as 130°. at 40° C temperature what will this | |
| | | ometer read 78º | |
| | a. | 66° | |
| | b. | 62 ⁰ | |
| | c. d. | 58° | |
| 107 | | | |
| 107 | | Three vectors of equal magnitude are acting on the three sides of an equilateral triangle. agnitude of their resultant is | |
| | a. | 0 Company | |
| | b. | 3 | |
| | | agnitude of their resultant is 0 3 $\sqrt{3}$ 1.73 | |
| | c. d. | 1.73 | |
| | | | |

| 108. From the top of a tower, 80 m high from the ground a s tone is thrown in the horizontal direction with a velocity of 8ms ⁻¹ the stone reaches the ground after a time 't' and | |
|---|----|
| falls at a distance of 'd' from the foot of the tower. Assuming $g = 10 \text{ ms}^{-2}$, time t and distance | d |
| are given respectively by | |
| a. 6s,64m | |
| a. 6s,64m b. 6s,48m c. 4s,32m | |
| c. 4s,32m | |
| u. 45,10111 | |
| 109. Water is flowing through a very narrow tube. The velocity of water below which the | |
| flow remains a streamline flow is known as | |
| a. Relative velocity | |
| b. Terminal velocity | |
| c. Critical velocity | |
| d. Particle velocity | |
| 110. If the velocity of light in vacuum is 3×10^8 m/s, the time taken(in Nano second) to | |
| travel through a glass plate of thickness 10 cm and refractive index1.5 is | |
| a. 0.5 | |
| b. 1.0 | |
| c. 2.0 | |
| d. 3.0 | |
| 111. The physical quantity which produces angular acceleration in the body is | |
| a. Force | |
| b. Moment of inertia | |
| c. Impûlse | |
| d. Torque | |
| 112. The dimension of angular momentum is | |
| a. $[M^0L^1T^{-1}]$ | |
| b. $[M^1L^2T^{-2}]$ | |
| c. $[M^1L^2T^{-1}]$ | |
| d. $[M^2L^1T^{-2}]$ | |
| 113. If A=B+C and A,B,C have scalar magnitudes of 5,4,3 units respectively then the angle | |
| between A and C is | |
| a. Cos ⁻¹ (3/5) | |
| b. Cos -1(4/5) | |
| b. Cos -1(4/5) c. π/2 d. sin -1(3/4) | |
| d. sin ⁻¹ (3/4) | |
| 114. A particle is travelling along a straight line OX. The distance C (in meters) of the partic | le |
| from O at a time t is given by x=37+27t-t ³ where it is time in seconds. The distance of the | |
| particle from 0 when it comes to rest is | |
| a. 81m | |
| b. 91m | |
| | |
| | |

| | c. | 101m |
|-------------|-------|---|
| | d. | 111m |
| 115. | | A particle is projected from the ground with a kinetic energy E at an angle of 60° with |
| the | e hor | rizontal. Its K.E at the highest point of its motion will be $E/\sqrt{2}$ |
| | a. | $E/\sqrt{2}$ |
| | b. | E/2 |
| | c. | E/4 |
| | d. | E/8 |
| 116. | | A bullet on penetrating 30 cm into its target loss its velocity by 50% what additional |
| dis | tanc | e will it penetrate into the target before it comes to rest? |
| | a. | 30cm |
| | b. | 20cm |
| | c. | 10 cm |
| | d. | 5 cm |
| 117. | | When a spring is stretched by 10 cm the potential energy stored is E. when spring |
| str | etch | ed by 10 cm more the potential energy stored in spring becomes |
| | a. | 2E |
| | b. | 4E |
| | c. | 6E 10E |
| | d. | 10E |
| 118. | | Average distance of the earth from the sun is L1. if one year of the earth =D days one |
| yea | ar of | another planet whose average distance from the sun is L2 will be |
| | a. | D(L2XL1) ^{1/2} days |
| | b. | $D(L2/L1)^{3/2}$ days |
| | c. | $D(L2/L1)^{2/3}$ days |
| | d. | D(L2/L1) days |
| 119. | | The point at which an applied forces produces linear motion but no rotatory motion is |
| | a. | Mid-point |
| | b. | Center of gravity |
| | c. | Optical center |
| | d. | Pole |
| 120. | | When a certain metal surface is illuminated with light of frequency V, the stopping |
| | | al for photoelectric current is v0. When the same surface is illuminated by light of |
| | quer | ncy v/2, the stopping potential is v ₀ /4. The threshold frequency for photoelectric |
| emission is | | on is |
| | a. | ncy v/2, the stopping potential is v ₀ /4. The threshold frequency for photoelectric on is v/6 v/3 2v/3 4v/3 |
| | b. | v/3 |
| | C. | 2v/3v/v |
| | d. | 4v/3 |

- 121. Let I be the length and d be the diameter of cross section of a wire wires of the same material with different L and are subjected to the same tension along the length of a the wire. In which of the following cases the extension of wire will be the maximum? a. L=200cm,d=0.5mm idumya.com b. L=300cm,d= 1.0mm c. L=50cm,d=0.05mm d. L=100cm,d=0.2mm An object placed in front of a concave mirror at a distance of x cm from the pole gives a 122. image becomes 2 the focal length of the mirror Is a. 15cm
- 3times magnified real image. If it is moved to a distance of (x+5)cm, the magnification to the
 - b. 20cm
 - c. 25cm
 - d. 30cm
- 123. 22320 cal heat is supplied to 100g of ice at 00C. if the latent heat of fusion of ice is 80cal/g and latent heat of vaporization of water is 540 cal/g the final amount of water thus obtained and its temperature respectively are

IMN/S.com

- a. $8g, 100^{\circ}c$
- b. 100g, 90°c
- c. $92g, 100^{\circ}c$
- d. 82g, 100°c
- A progressive wave moving along x axis is represented by y=Asin $[2\pi/\lambda \text{ (vt-x)}]$. The λ 124. wavelength at which the max. particle velocity is 3 times the wave velocity is
 - a. A/3
 - b. $2A/3\pi$
 - c. (3/4) πA
 - d. $(2/3) \pi A$
- 125. Two radioactive substances A and B have decay constants 5 λ and λ respectively. At t=0, they have the same no.s of nuclei. the ratio of number of nuclei of A to that of B will be $(i/e)^2$ after a time interval of
 - a. $1/\lambda$
 - b. 1/2 λ
 - c. $1/3 \lambda$
 - d. $1/4 \lambda$
- 126. A magnetic needle is placed in uniform magnetic field and is aligned with the field. the needle is now rotated by an angel of 60° and the work done is W. the torque on magnetic needle at this position is
 - a. $2\sqrt{3}w$
 - b. $\sqrt{3}w$
 - c. $\frac{\sqrt{3}}{2}w$

| d. | $\frac{\sqrt{3}}{4}w$ | |
|--------|-----------------------|---|
| | A bod | y when fully immersed in a liquid of specific gravity 1.2 weights 44gwt. The same |
| body w | vhen ful | ly immersed in water weights 50 gwt. The mass of body is |
| a. | 36g | |
| b. | 48g | T TENTS COUL |
| c. | 64g | |
| d. | 80g | all controlled as |

- The equation of state of a gas is given by $(p + a/V^{s.})(v-b^2) = cT$, where P,V,T are pressure. 128. Volume and temperature respectively and a, b, c are constants. The dimensions of a and b are respectively
 - a. ML^8T^{-2} and $L^{3/2}$
 - b. ML⁸T⁻² and L³

127.

- c. ML⁵T⁻² and L⁶
- d. ML^6T^{-2} and $L^{3/2}$
- 129. The R.M.S speed of the molecules of a gas at 100°C is V. the temperature at which the R.M.S. speed will be $\sqrt{3}v$ is
 - a. 546°C
 - b. 646°C
 - c. 746°C
 - d. 846°C
- UMNE).com A frictionless piston-cylinder based enclosure contains some amount of gas a t a 130. pressure of 400kPa. Then heat is transferred to the gas at constant pressure in a quasi-static process. The piston moves up slowly through a height of 10 cm. if the piston has a cross section area of 0.3 m², the work done by the gas in this process is
 - a. 6kj
 - b. 12kj
 - c. 75kj
 - d. 24kj
- 131. An electric cell of e.m.f E is connected across a copper wire of diameter d and length L. the drift velocity of electrons in the wire is v_{σ} of the length of the wire is changed to 21 the new drift velocity of electrons in the copper wire will be

jdlumyz).com

- a. v_{σ}
- b. $2v_{\sigma}$
- c. $v_{\sigma}\sqrt{2}$
- d. $v_{\sigma}\sqrt{4}$
- A bar magnet has a magnetic moment of 200A.m2. the magnet is suspended in a 132. magnetic field of 0.3 N/Am. The torque required to rotate the magnet from its equilibrium position through and angle of 30° will be
 - a. 30Nm
 - b. $30\sqrt{3}Nm$

- c. 60Nm
- d. 604Nm
- A ball is thrown vertically upward with a velocity of 98 m/s if it takes 10 seconds to 133. reach the highest point then the acceleration of the ball is dunya.com
 - a. 9.8m/s^2
 - b. 980m/s²
 - c. 98m/s²
 - d. -9.8m/s²
- The velocity of a car travelling on a straight road is 36 km/h at an instant of time. Now 134. travelling with uniform acceleration for 10s. the velocity becomes exactly double if the wheel radius of the car is 25cm then which of the following numbers is the closest to the number of revolutions that the wheel makes during this 10s?
 - a. 84
 - b. 95
 - c. 126
 - d. 135
- 135. Two glass prisms P1 and P2 are to be c combined together to produce dispersion without deviation. The angle of the prisms P1 and P2 are selected as 4° and 3° respectively. If the kidumya.com refractive index of prism P1 is 1.54, then that of P2 will be
 - a. 1.48
 - b. 1.58
 - c. 1.62
 - d. 1.72
- A manthtows a ball vertically upward in compartment of an accelerated train. The ball 136. will fall
 - a. In front of him
 - b. In his hand
 - c. Behind him
 - d. Beside him
- 137. Water is flowing in stream line motion through a horizontal tube. The pressure at a point in the tube is P where the velocity of flow is v. At another point, where the pressure is P/2 ,the velocity of flow is [density of water=Þ]
 - a. $\sqrt{(V^2 + p/P)}$
 - b. $\sqrt{(V^2 p/P)}$
 - c. $\sqrt{(V^2 + 2p/p)}$
 - d. $\sqrt{(V^2 2p/P)}$
- jdumya.com A wire if initial length I and radius r is stretched by a length I. another wire of same 138. material but with initial length 2 L and radius 2r is stretched by length 21.the ratio of the stored elastic energy per unit volume in the first and second wire is
 - a. 1:4

| | b. | 1:2 |
|------|--------|--|
| | c. | 2:1 |
| | d. | 1:1 |
| 139. | | A current of 1A is flowing along positive x-axis through a straight wire of length 0.5m |
| pla | iced i | in a region of magnetic field given by B=(2î +2j) T. The magnitude and the direction of |
| | | ce experienced by the wire respectively are |
| | a. | $\sqrt{18}N$, along positive z-axis $\sqrt{2}$ |
| | b. | $\sqrt{20}N$, along positive x-axis |
| | c. | 2N , along positive z-axis |
| | d. | 4N ,along positive x-axis |
| 140. | | A bomber drop a bomb, when it is vertically above the target. it missed the target |
| be | cause | |
| | a. | Vertical component of the velocity of bomber |
| | b. | Force of gravity |
| | c. | Acceleration of the bomber |
| | d. | Horizontal component of the velocity of bomber |
| 141. | | In which of the following generation of the computer the transistor were used? |
| | a. | Frist |
| | b. | Second |
| | c. | Second 3rd |
| | d. | 4 th |
| 142. | | Which of the following is a type of computer language |
| | a. | High level |
| | b. | Low level |
| | c. | Both a and b |
| | d. | None |
| 143. | | How much type of computer are |
| | a. | 2 |
| | b. | 4 |
| | c. | 3 |
| | d. | 6 |
| 144. | | C is which of the following languages |
| | a. | High level language |
| | b. | High level language Low level language Machine language None |
| | c. | Machine language |
| | d. | |
| 145. | | Which of the following computer hard ware is divided? |
| | a. | Input White War and the second |
| | b. | Output unit' |
| | | System unit' |

| | d. | All of above |
|------|------------|--|
| 146. | | How many type of software |
| | a. | 2 |
| | b. | 4 |
| | c. | 6 |
| | d. | 8 |
| 147. | | In computer control unit is part of which of the following |
| | a. | CPU STEED VIII CONTRACTOR OF THE CONTRACTOR OF T |
| | b. | ALU |
| | c. | Both a and b |
| | d. | None |
| 148. | | A light pen is which of the following |
| | a. | Input device |
| | b. | Output device |
| | c. | Software |
| | d. | None |
| 149. | | Which of the following Is impact printer |
| | a. | Line printer |
| | b. | Plotter printer |
| | C. | Laser printer Ink jet printer |
| | d. | Ink jet printer |
| 150. | | Which of the following volatile memory |
| | a. | Ram |
| | b. | Rom |
| | c. | Both\a\and b |
| | d. | None |
| 151. | | Which of the following is type of ROM |
| | a. | EEPROM |
| | b. | EFPROM |
| | c. | EPSROM |
| | d. | EEPSROM |
| 152. | | HARDISK is which of the following? |
| | a. | Primary storage |
| | b. | Secondary storage |
| | C. | Both a and b None |
| 153. | d. | |
| | ntit | Which of the following number system use only two digit 0 and 1 to represent a |
| qua | ntit a. | |
| | a. b. | Decimal Binary |
| | υ. C. | Hexa |
| | С. | ΠΕΛΩ |

| | d. | Octal |
|------|----------|---|
| 154. | | In computer how many basic types of ports are |
| | a. | 2 |
| | b. | 6 |
| | c. | 3 |
| | d. | 8 |
| 155. | | In computers which of the following carries the address information |
| | a. | Address bus |
| | b. | Data bus |
| | c. | Control bus |
| | d. | All of these |
| 156. | | Which of the following in Boolean algebra |
| | a. | Algebra of logic |
| | b. | Algebra of math's |
| | c. | Both a and b |
| | d. | None |
| 157. | | Boolean algebra has same structure which of the following |
| | a. | Propositional calculus |
| | b. | Propositional math |
| | c. | Propositional science |
| | d. | Propositional science Propositional physics |
| | | |
| 158. | | In Boolean algebra which of the following is used for combining two Proposition to |
| ma | ke a | new proposition |
| | a. | AND, ÖR |
| | b. | IF, THEN |
| | c. | NEITHER, NOR |
| 450 | d. | IFTHENELSE |
| 159. | | IN Boolean algebra which of the following axioms should be satisfied for operation |
| | a. | Close |
| | b. | Commutative |
| | C. | Associative |
| 160 | d. | |
| 160. | _ | For evaluating boolean expression which of the following is a step of the procedure Evaluate all the complement operation |
| | a. | |
| | b. | Evaluate all the division operation |
| | c. d. | Both a and b None of these |
| 161. | u. | How many theorem of Boolean algebra are? |
| 101. | 2 | 2 |
| | a. b. | 4 |
| | IJ. | |
| | | |

| | c. | 5 |
|------|--------|--|
| | d. | 6 |
| 162. | | In boolean algebra theorem 5 is also known as |
| | a. | DE Morgan law Absorption law Idempotent law |
| | b. | Absorption law |
| | c. | Idempotent law |
| | d. | None of these |
| 163. | | In Boolean algebra any result deducted from axioms of Boolean algebra remains valid if |
| W | hich | of the following step is performed? |
| | a. | All O's in the result are changed to 1 and vice versa |
| | b. | The x in the original result is changed to + and vice versa |
| | c. | Both a and b |
| | d. | None of these |
| 164. | | Which of the following is used to simplify a boolean function |
| | a. | K-map algorithm |
| | b. | L-map algorithm |
| | c. | K-map derivation |
| | d. | L-map derivation |
| 165. | | Which of the following is not a disadvantage of using Boolean algebra? |
| | a. | Is very difficult to write a computer program using boolean laws |
| | b. | This may not give the best simplified solution |
| | C. | For the process of boolean function is needed but in most engineering application we |
| | | don't have it but truth table |
| | d. | It is very difficult to run a computer program using boolean algebra |
| 166. | | In Boolean algebra max terms is also called which of the following? |
| | a. | Standard product |
| | b. | Standard sum |
| | c. | Both a and b |
| | d. | None |
| 167. | | In Boolean algebra the logical statements can be translated in which of the following by |
| us | sing E | Boolean algebra? |
| | a. | Symbols |
| | b. | Picture |
| | c. | Both a and b |
| | d. | None |
| 168. | | In boolean algebra k map is also known as which of the following |

Boolean algebra is different from ordinary algebra in which way?

a. Karnaugh mapb. Picto gram

c. Boolean map

d. None

169.

| | a. | Boolean algebra can represented more than I discrete level between 0 to1 |
|------|-----|--|
| | b. | Boolean algebra have only 2 discrete level between 0 to1 |
| | c. | Boolean algebra can describe up to 31 level logic levels |
| | d. | They are actually the same |
| 170. | For | a three inputs (A, B, C) OR gate, what inputs are needed if output=0?a. |
| | A=0 | O ,B=0 ,C=1 |
| | b. | A=0 ,B=1 ,C=0 |
| | c. | A=1,B=1,C=1 |
| | d. | A=Q_BFQ_C=Q |
| 171. | | Rubina likesviolin and her sister playsguitar. |
| | a. | A ,the |
| | b. | A, a |
| | c. | The, the |
| | d. | The, a |
| 172. | | Ibrahim crossedAtlantic ocean many times last year |
| | a. | An |
| | b. | A |
| | c. | The |
| | d. | None |
| 173. | | Saqib got an opportunity to have fellowship at School of medicine in Lahore. |
| | a. | The |
| | b. | A STEET STEET |
| | c. | The |
| | d. | A WWW 9999 |
| 174. | | Pakistan is countryexports mango all over the world |
| | a. | Who |
| | b. | Which |
| | c. | Whom |
| | d. | That |
| 175. | | They worked on the project for its in time completion |
| | a. | Which is famous |
| | b. | What is famous |
| | c. | Who is famous |
| | d. | Is famous |
| | | |

Read the Passage and answer the question given at the end of Passage

Educational planning should aim at meeting the educational needs of the entire population of all age groups. While traditional structure of education as a three layer hierarchy from the primary stage to the university represents the core, we should not overlook the periphery which is equally important. Under modern conditions, workers need to rewind m or renew their enthusiasm, or strike out in a new

direction or improve their skills as much as any university professor. The retired and the aged have their needs as well educational I planning in their words should take care of the needs of every one

Our structures of education have been built up on the assumption that there is a terminal point of education this basic defect has become all the more harmful today. A UNESCO report entitled 'Learning to be 'prepared by Edgar Faure and other in 1973 asserts that the education of children must prepare the future adult for various forms of self-learning. A viable education system of the future should consist of modules with different kinds of functions serving a diversity of constituents and performance not the period of study, should be the basis for credentials. The writing is already on the wall

In view of the fact that the significance of a commitment of lifelong learning and lifetime education is being discussed only in recent years even in educationally advanced countries, the possibility of the idea becoming an integral part of educational thinking seems to be a far cry. For to move in that direction means such more than some simple rearrangement of the present organization of education. But a good beginning can be made by developing Open University programs for older learners of different categories and introducing extension services in the conventional collages and schools. Also these institutions should learn to cooperate with the numerous community. Organizations such a libraries, museums, municipal recreational programs, health services etc.

- 176. According to the author what measures should open university adopt to meet modern condition's
 - a. Develop various programs for adult learners.
 - b. Open more collages on traditional lines
 - c. Cater to the needs of those who represent core
 - d. Primary education should be under the control open universities
- 177. According to the author, what should be the basis for awarding credentials
 - a. Duration of the course
 - b. Competence of the course teacher
 - c. Diversity of the topics covered
 - d. Real grasp of matter or skill
- 178. Which of the following is not rue in context of the given passage?
 - a. Lifelong learning is a recent concept
 - b. Workers knowledge and skills also need to be updated constantly
 - c. 'Learning to Be' defends that there is a terminal point to education
 - d. School and collages should open extension services.
- 179. According to the author, the concept of lifetime education is
 - a. As old as traditional education
 - b. Still in formative stage
 - c. In vogue in advanced countries
 - d. Not practical
- 180. Integrating the concept of lifelong learning with the educational structure would imply
 - a. Closing down conventional school and collages

- b. Longer durations for all formal courses
- c. Simple rearrangement of present educational organization
- d. More weight for actual performance than real understanding

181. Affluent : lucky (analogy)

- a. Greedy:money
- b. Charitable: stingy
- Unsuccessful :lazy
- d. Rely: retort
- 182. Fooder: steer (analogy)
 - a. Goddess: valentine
 - b. Pesticide:beetle
 - c. Slop:hog
 - d. Roe: cupid
- 183. Act: stage (analogy)
 - a. swim: pool
 - b. whale:river
 - c. cat:dog
 - d. fish: trout
- 184. pilfer : rob (analogy)
 - a. doctor: treatment
 - b. taste:eat
 - c. affirm:intimate
 - d. innuendo: desperado
- 185. archipelago : island (analogy)
 - - a. peninsula: strait
 - cluster :star b.
 - c. border:desert
 - d. sun: planet
- extinct(synonym) 186.
 - a. dull
 - b. wonderful
 - c. no longer in existence
 - d. still in existence
- 187. deterrent (synonym)
 - a. cleansing substance
 - b. defense
 - c. restraint of action
 - d. warning
- mnkidumya.com 188. profusion (antonym)
 - penetration
 - b. abundance



| | c. | scarcity |
|------|-------|--|
| | d. | ordinance |
| 189. | | sybarite (antonym) |
| | a. | childless |
| | b. | vascular |
| | c. | ascetic |
| | d. | childless vascular ascetic imposter tear (antonym) a |
| 190. | | tear (antonym) |
| | a. | rectify |
| | b. | lacerate |
| | c. | rupture |
| | d. | lancelets |
| 191. | | Augustan age refers to the reign of the emperor Augustus 27BC to 14BC in |
| | a. | Latin literature |
| | b. | atomic age |
| | c. | dark age |
| | d. | bronze age |
| 192. | | Who was elected as the interim president of Central African Republic (CAR)? |
| | a. | Mahamath isseine abdoulaye Catherine samba panza |
| | b. | Catherine samba panza |
| | c. | Desore kolinba |
| | d. | Sam Ouandja |
| 193. | | Pakistan women cricket team out classed theircounter parts by seven wickets in |
| the | PCE | B Qatar women's T-20 tri series final |
| | a. | Kenya |
| | b. | South African |
| | c. | Somalia |
| | d. | Sudan |
| 194. | | Which Pakistan feature film won the special jury award at the losing ceremony of the |
| Jaij | our i | nternational film festival 2014? |
| | a. | Zinda bhag |
| | b. | Operation 021 |
| | c. | Waar |
| | d. | None |
| 195. | | Pakistan, Turkey and Afghanistan held their trilateral summit at Ankara. |
| | a. | 5 th |
| | b. | 6th |
| | c. | 7 th WWW |
| | d. | 8 th |
| 196. | | Where the headquarter of ALIF AILANN is located? |
| | a. | Lahore |
| | | |

- b. Multan
- c. Quetta
- d. Islamabad
- 197. Which Pakistani journalist has got GR-8 women award 2014
 - a. Sidra Iqbal
 - b. Mehar bukhari
 - c. Ketrina Hussain
 - d. Jasmin manzoo
- 198. Which university of observed world spay day to create awareness about controlling the increasing population of dogs

VS.COM

- a. University of Punjab
- b. Bahauddin zakariya university
- c. University of veterinary and animal sciences (UVAS)
- d. International Islamic university
- 199. Who is current chairman of ICC?
 - a. Percy sonn
 - b. David Morgan
 - c. Srinivasan
 - d. Sharad pawar
- www.alministalumye.com 200. Who was elected as speaker of Balochistan assembly?
 - a. Mir Jaan Jamali
 - b. Asad Qaisar
 - c. Arshad Khan
 - d. None of these

- - COM