

Set code - 4

DET - 2012 (LA)

Admission to 3rd sem of

LA/MATH (4)

PART-I 3 yrs Diploma course)

MATHEMATICS

1. The smallest positive integer n for which $\left(\frac{1+i}{1-i}\right)^n = 1$ is
- (A) 3
(B) 2
(C) 4
(D) None of these.
2. In the expansion of $\left(x^4 - \frac{1}{x^3}\right)^{15}$, the co-efficient of x^{39} is
- (A) -455
(B) 1365
(C) 455
(D) -1365
3. The total no. of terms in the expansion of $(1 - 2x + x^2)^{19}$ is
- (A) 20
(B) 39
(C) 21
(D) 40
4. If ω is imaginary cube-roots of unity then the value of $(1 - \omega + \omega^2)^6 + (1 - \omega^2 + \omega)^6$ is equal to
- (A) 0
(B) 32
(C) 64
(D) 128

(Space For Rough Work)

5. If A and B are two matrices such that $AB = B$ and $BA = A$ then $A^2 + B^2$ is equal to

(A) $2AB$
 (B) $2BA$
 (C) $A+B$
 (D) AB

7. The value of the determinant

$$\begin{vmatrix} 11 & 12 & 13 \\ 12 & 13 & 14 \\ 13 & 14 & 15 \end{vmatrix} \text{ is}$$

(A) 1
 (B) 0
 (C) 134
 (D) 62

6. Let A be a square matrix of order $n \times n$ and K be a scalar. Then $|KA|$ equals

(A) $K|A|$
 (B) $|K| |A|$
 (C) $K^n |A|$
 (D) None of these.

8. The inverse of the matrix $\begin{bmatrix} 1 & 2 \\ 3 & 1 \end{bmatrix}$ is

(A) $\begin{bmatrix} -1/5 & 2/5 \\ 3/5 & -1/5 \end{bmatrix}$

(B) $\begin{bmatrix} 3/5 & 2/5 \\ 1/5 & -1/5 \end{bmatrix}$

(C) $\begin{bmatrix} 1/5 & -2/5 \\ -3/5 & 1/5 \end{bmatrix}$

(D) None of these.

(Space For Rough Work)

9. If $\frac{2x}{(x-1)(x^2+x+1)} =$

$\frac{A}{x-1} + \frac{Bx+C}{x^2+x+1}$ then C is

(A) $\frac{2}{3}$

(B) $\frac{1}{3}$

(C) $-\frac{2}{3}$

(D) $-\frac{1}{3}$

11. If $(1 + \tan \alpha)(1 + \tan \beta) = 2$, then $\alpha + \beta$ is

(A) $\frac{\pi}{6}$

(B) $\frac{\pi}{2}$

(C) $\frac{\pi}{4}$

(D) $\frac{2\pi}{3}$

10. The value of

$\tan 1^\circ \cdot \tan 2^\circ \cdot \tan 3^\circ \dots \tan 89^\circ$ is

(A) 0

(B) 1

(C) ∞

(D) None of these.

12. The value of

$\cos \tan^{-1} \cot \cos^{-1} \frac{\sqrt{3}}{2}$ is

(A) $\frac{1}{\sqrt{2}}$

(B) $\frac{1}{\sqrt{3}}$

(C) 1

(D) $\frac{1}{2}$

(Space For Rough Work)

13. The general solution of the equation $\tan^2 x + \sec^2 x = 3$ is

(A) $n\pi \pm \frac{\pi}{2}$

(B) $n\pi \pm \frac{\pi}{4}$

(C) $n\pi \pm \frac{\pi}{3}$

(D) None of these.

15. In a triangle ABC , $A = 30^\circ$, $B = 60^\circ$ then $a : b : c$ is

(A) $1 : 2 : 3$

(B) $1 : \sqrt{3} : 2$

(C) $1 : 2 : \sqrt{3}$

(D) $\sqrt{3} : 2 : 1$

17. The slope and X-intercept of a line $3x - y + k = 0$ are equal, then the value of k is

(A) 0

(B) -1

(C) 3

(D) -9

14. If $\sin^{-1} \frac{x}{5} + \operatorname{cosec}^{-1} \frac{5}{4} = \frac{\pi}{2}$, then the

value of x is

(A) 2

(B) 4

(C) 3

(D) 5

16. For what value of m , the points $(1, 4)$, $(2, 7)$ and $(3, m)$ are collinear

(A) 10

(B) 8

(C) -10

(D) -8

18. The equation of a line bisecting the line segment joining the points $(a, 0)$ and $(0, b)$ at right angles is

(A) $a^2 + b^2 - 2ax - 2by = 0$

(B) $2a^2 + 2b^2 - ax - by = 0$

(C) $a^2 - b^2 - 2ax + 2by = 0$

(D) $a^2 - b^2 + 2ax - 2by = 0$

(Space For Rough Work)

19. The distance between the parallel lines $3x - 4y + 9 = 0$ and $6x - 8y - 15 = 0$ is

- (A) $\frac{33}{10}$
 (B) $\frac{10}{33}$
 (C) $\frac{3}{5}$
 (D) $\frac{5}{3}$

21. The equation $ax^2 + 2hxy + by^2 + 2gx + 2fy + c = 0$ represents a **circle**, the condition will be

- (A) $a = b$ and $c = 0$
 (B) $f = g$ and $h = 0$
 (C) $a = b$ and $h = 0$
 (D) $f = g$ and $c = 0$

20. If p is the length of the perpendicular drawn from the origin on the line whose intercepts are a and b on the axes. Then it satisfies

(A) $a^2 + b^2 = p^2$

(B) $\frac{1}{a^2} + \frac{1}{b^2} = \frac{1}{p^2}$

(C) $\frac{1}{a^2} - \frac{1}{b^2} = \frac{1}{p^2}$

- (D) None of these.

22. The radius of the circle

$$x^2 + y^2 + 6x - 4y - 12 = 0$$
 is

- (A) 1
 (B) 3
 (C) 4
 (D) 5

(Space For Rough Work)

23. The centre of the sphere $2x^2 + 2y^2 + 2z^2 - 6x + 4y - 2z + 3 = 0$ lies on the plane
- (A) $x - y + z - 1 = 0$
(B) $x + y + z - 1 = 0$
(C) $x + y - z - 1 = 0$
(D) None of these.
25. The equation of the circle whose centre is at the point $(-2, 4)$ and which passes through the point $(3, -8)$ is
- (A) $x^2 + y^2 + 4x - 8y - 149 = 0$
(B) $x^2 + y^2 + 8x - 4y - 169 = 0$
(C) $x^2 + y^2 - 4x + 8y + 169 = 0$
(D) None of these.
27. The projection of the line segment joining $(1, 3, -1)$ and $(3, 2, 4)$ on z -axis is
- (A) 1
(B) 3
(C) 4
(D) 5
24. The equation of the plane passing through $(1, 1, 2)$ and parallel to the plane $x + y + z - 1 = 0$ is
- (A) $x + y + z = 4$
(B) $x + y + 2z = 1$
(C) $x + y - z = 2$
(D) $x + y + z = 0$
26. If α, β, γ are the angles which a directed line makes with positive direction of co-ordinate axes, then $\sin^2 \alpha + \sin^2 \beta + \sin^2 \gamma$ is equal to
- (A) 1
(B) 2
(C) 3
(D) None of these.
28. $\lim_{x \rightarrow 0} \frac{1 - \cos x}{x^2}$ is
- (A) $\frac{1}{4}$
(B) $\frac{1}{2}$
(C) $\frac{1}{8}$
(D) 1

(Space For Rough Work)

29. $\lim_{x \rightarrow 1} \frac{\sqrt{5x-4} - \sqrt{x}}{x-1}$ is

- (A) 2
(B) 5
(C) 1
(D) 4

31. If $y = \log [\log (\log x)]$, then $\frac{dy}{dx}$ is

- (A) $\frac{1}{x \log x \cdot \log(\log x)}$
(B) $\frac{1}{\log(\log x)}$
(C) $\frac{1}{(\log x)^2}$
(D) None of these.

30. For what value of k , the function defined by

$$f(x) = \begin{cases} \frac{x^2 - 3x + 2}{x - 1}, & \text{if } x \neq 1 \\ k - 2, & \text{if } x = 1 \end{cases}$$

is continuous at $x = 1$.

- (A) 2
(B) -1
(C) 1
(D) 3

32. If $Y = x^{x^{x^{\dots \infty}}}$, then $\frac{dy}{dx}$ is

- (A) $\frac{Y^2}{X(1 - Y \log x)}$
(B) $\frac{Y^2}{1 + Y \log x}$
(C) $\frac{Y^2}{Y \log x}$
(D) None of these.

(Space For Rough Work)

33. If $x = a(\cos \theta + \theta \sin \theta)$ and

$$y = a(\sin \theta - \theta \cos \theta),$$

then $\frac{dy}{dx}$ is

- (A) $\cot \theta$
- (B) $\sec \theta$
- (C) $\tan \theta$
- (D) $\operatorname{cosec} \theta$

35. If $Y = A \cos nx + B \sin nx$, then

$$\frac{d^2 y}{dx^2} + n^2 y \text{ is}$$

- (A) 0
- (B) 1
- (C) $2n^2$
- (D) None of these.

34. If $\log(x^2 + y^2) = 2 \tan^{-1}\left(\frac{y}{x}\right)$ then

$\frac{dy}{dx}$ is

- (A) $\frac{x^2 + y^2}{x^2 - y^2}$
- (B) $\frac{x + y}{x - y}$
- (C) $\frac{x^2 - y^2}{x^2 + y^2}$
- (D) $\frac{x - y}{x + y}$

36. If $f(x, y, z) = x^2 + y^2 + z^2$ then $xf_x + yf_y + zf_z$ is equal to

- (A) $\frac{f}{2}$
- (B) f^2
- (C) $2f$
- (D) None of these

(Space For Rough Work)

37. If $f(x, y) = x^3 + y^3 - 3axy$ then

$$\frac{\partial^2 f}{\partial x \partial y} \text{ is}$$

- (A) $6a$
- (B) $-3a$
- (C) $3a$
- (D) $-6a$

39. $\int \frac{1}{e^x - 1} dx$ is equal to

- (A) $\log(1 - e^{-x}) + c$
- (B) $\log(1 + e^{-x}) + c$
- (C) $(e^x + 1) + c$
- (D) $(e^x - 1) + c$

41. $\int \frac{dx}{x^2 - a^2}$ is equal to

- (A) $\frac{1}{2a} \log \frac{x+a}{x-a} + c$
- (B) $\frac{1}{2a} \log \frac{x-a}{x+a} + c$
- (C) $\frac{1}{a} \tan^{-1} \frac{x-a}{x+a} + c$
- (D) None of these.

38. It is given that at $x = 1$, the function

$f(x) = x^4 - 62x^2 + ax + 9$ attains its maximum value on $[0, 2]$. Then the value of a is

- (A) 60
- (B) 120
- (C) -60
- (D) -120

40. $\int \log x \, dx$ is equal to

- (A) $\frac{1}{x} + c$
- (B) $(\log x + 1) + c$
- (C) $x(\log x - 1) + c$
- (D) None of these.

42. The value of $\int_0^{\pi/2} \frac{dx}{1 + \tan x}$ is

- (A) $\frac{\pi}{4}$
- (B) $\frac{\pi}{2}$
- (C) 2π
- (D) 1

(Space For Rough Work)

43. The value of $\int_{-2}^1 (|x| + x) dx$ is

(A) 0

(B) $\frac{1}{2}$

(C) 1

(D) $-\frac{1}{2}$

45. The order and degree of the differential equation

$$\frac{d^2 y}{dx^2} = \left\{ 1 + \left(\frac{dy}{dx} \right)^2 \right\}^{3/2} \text{ is}$$

(A) Order-2, Degree-3

(B) Order-2, Degree-2

(C) Order-3, Degree-1

(D) Order-1, Degree-3

44. The area of the region bounded by the

curve $Y = \sin x$, $Y = 0$, $X = \frac{\pi}{2}$ is

(A) 1 sq. unit

(B) $\frac{1}{4}$ sq. unit

(C) $\frac{1}{2}$ sq. unit

(D) None of these.

46. The solution of the differential

equation $\frac{dy}{dx} = \frac{1+y^2}{1+x^2}$ is

(A) $x^2 - y^2 = c$

(B) $x^2 + y^2 = c$

(C) $\frac{x-y}{1+xy} = c$

(D) None of these.

(Space For Rough Work)

47. The differential equation of the form $M(x, y) dx + N(x, y) dy = 0$ is said to be exact if

(A) $\frac{\partial M}{\partial y} = \frac{\partial N}{\partial x}$

(B) $\frac{\partial M}{\partial x} = \frac{\partial N}{\partial y}$

(C) $\frac{\partial M}{\partial y} \neq \frac{\partial N}{\partial x}$

(D) $\frac{\partial M}{\partial y} - \frac{\partial N}{\partial x} = 1$

49. If $\vec{a} = \hat{i} + 2\hat{j} - \hat{k}$, $\vec{b} = \hat{i} + \hat{j} + 2\hat{k}$
and $\vec{c} = 2\hat{i} - \hat{j}$, then

(A) $\vec{a} \perp \vec{b}$

(B) $\vec{b} \perp \vec{c}$

(C) $\vec{a} \perp \vec{c}$

(D) No pair of vectors are perpendicular.

48. The area of the triangle with vertices $(1, 0, 0)$, $(0, 1, 0)$ and $(0, 0, 1)$ is

(A) $\frac{1}{2}$ sq. unit

(B) 1 sq. unit

(C) $\frac{\sqrt{3}}{2}$ sq. unit

(D) 2 sq. unit

50. If \vec{a} and \vec{b} are two unit vectors inclined at an angle θ such that $\vec{a} + \vec{b}$ is a unit vector, then θ is equal to

(A) $\frac{\pi}{3}$

(B) $\frac{\pi}{4}$

(C) $\frac{\pi}{2}$

(D) $\frac{2\pi}{3}$

(Space For Rough Work)

PART-II
PHYSICS

51. The pressure of a gas is increased, but its temperature remains unchanged. The velocity of sound in the gas

- (A) will increase
- (B) decrease
- (C) will not change
- (D) will increase for some gas and decrease for other

52. Heat H is produced, when mechanical work W is done. They are related by

- (A) $H = W/J$
- (B) $H = WJ$
- (C) $H = J/W$
- (D) None of the above.

53. Which of the following has the highest penetrating power ?

- (A) α -particle
- (B) β -particle
- (C) γ -ray photon
- (D) proton

54. A planet revolves around the sun in an elliptical orbit. Its kinetic energy is

- (A) maximum when it is closest to the sun
- (B) maximum when it is farthest from the sun
- (C) remains same at every position in the orbit
- (D) zero in the orbit

(Space For Rough Work)

55. Which of the following statement is not true ?

- (A) Ultrasonic sound have frequency beyond the limit of audibility
- (B) Ultrasonic sound moves with velocity of sound
- (C) Ultrasonic sounds are produced by piezoelectric generator
- (D) Supersonic sound moves with the velocity of sound

57. The potential at a point due to a positive charge of $100 \mu\text{C}$ at a distance of 9 m is

- (A) 10^4 V
- (B) 10^6 V
- (C) 10^5 V
- (D) 10^7 V

56. If a wire of resistance R is stretched and its radius becomes $r/2$, its resistance will be

- (A) $16 R$
- (B) $4 R$
- (C) $2 R$
- (D) $R/2$

58. Two point charges of $10 \mu\text{C}$ and $-5 \mu\text{C}$ are separated in air by 1 m. The ratio of force exerted by one on the other is

- (A) 1 : 2
- (B) 2 : 1
- (C) 1 : 1
- (D) None of the above.

(Space For Rough Work)

59. If the relative permeability of iron is 2000, its absolute permeability in SI units is

- (A) $8\pi \times 10^{-4}$ H/m
- (B) $8\pi \times 10^{-3}$ H/m
- (C) $\frac{800}{\pi}$ H/m
- (D) $\frac{5 \times 10^9}{\pi}$ H/m

61. A straight wire of diameter 0.5 mm carrying a current of 1 A is replaced by another wire of 1 mm diameter carrying the same current. The magnetic field at the same distance from the wire is

- (A) twice the earlier value
- (B) one half of the earlier value
- (C) one quarter of the earlier value
- (D) remains same

60. An object is placed at a distance of 40 cm in front of a concave mirror of focal length 20 cm. The image produced is

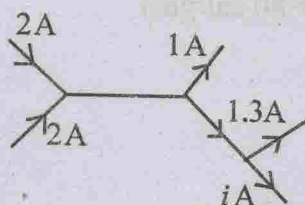
- (A) virtual, inverted and diminished
- (B) real, erect and magnified
- (C) real, inverted and diminished
- (D) real, inverted and of the same size as the object

62. An electric fan and a heater are marked as 100 W, 220 V and 1000 W, 220 V respectively. The resistance of heater is

- (A) equal to that of fan
- (B) greater than that of fan
- (C) lesser than that of fan
- (D) zero

(Space For Rough Work)

63. The figure below shows current in a part of electric circuit, then current is

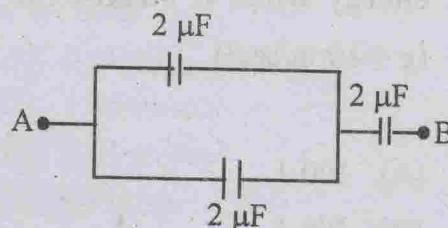


- (A) 1.7 A
(B) 3.7 A
(C) 1.3 A
(D) 1.0 A

65. The no. of neutrons in a ${}_{92}\text{U}^{235}$ nucleus is

- (A) 92
(B) 235
(C) 143
(D) 327

64. Three capacitors each of $2\mu\text{F}$ are connected as shown below. Find the equivalent capacitance of the circuit



- (A) $6\mu\text{F}$
(B) $2\mu\text{F}$
(C) $\frac{3}{4}\mu\text{F}$
(D) $\frac{4}{3}\mu\text{F}$

66. What will be the power of a spectacle, made by the combination of a convex lens of focal length 40 cm and a concave lens of focal length 25 cm

- (A) -6.5 D
(B) -1.5 D
(C) 1.5 D
(D) 6.5 D

(Space For Rough Work)

67. A body of mass 20 kg falls through a height of 50 cm. What is the kinetic energy when it strikes the earth.
($g = 10 \text{ m/sec}^2$)

- (A) 100 J
- (B) 400 J
- (C) 980 J
- (D) 4900 J

69. The coefficient of thermal conductivity of a metal depends on

- (A) temperature between the two sides
- (B) thickness of metal plate
- (C) area of the plate
- (D) None of the above factors.

68. The mass of ice that can be melted by 100 gms of water at 22.4°C is,
($L = 80 \text{ cal/gm}$)

- (A) 25 gm
- (B) 28 gm
- (C) 24 gm
- (D) 18 gm

70. A particle executing S.H.M. when passes through mean position has

- (A) maximum potential energy
- (B) maximum kinetic energy
- (C) minimum kinetic energy
- (D) maximum acceleration energy

(Space For Rough Work)

71. Which of the following quantities is dimensionless ?

- (A) v^2rg
- (B) v^2/r
- (C) v^2r/g
- (D) v^2g/r

73. If the distance between two masses is doubled, the gravitational attraction between them is

- (A) doubled
- (B) four times
- (C) reduced to half
- (D) reduced to a quarter

75. An object is moving in a circular path of radius 7 m. The displacement of the object after one revolution is

- (A) 7 m
- (B) 22 m
- (C) 44 m
- (D) Zero

72. A force of 5 N acts on a body of weight 9.8 N. What is the acceleration of the body ?

- (A) 5 m/sec²
- (B) 1.46 m/sec²
- (C) 0.51 m/sec²
- (D) 49 m/sec²

74. A force F is applied on a body and it moves with a velocity v . The power of the body will be

- (A) Fv^2
- (B) F/v
- (C) F/v^2
- (D) Fv

(Space For Rough Work)

76. The exhausted zeolite can be regenerated by passing through it a concentrated solution of
- (A) CaCl_2
 - (B) MgCl_2
 - (C) ZnCl_2
 - (D) NaCl
77. Oiliness is minimum in which oil ?
- (A) Mineral oils
 - (B) Castor oil
 - (C) Olive oil
 - (D) Palm oil
78. Which is not a thermoplastic ?
- (A) Bakelite
 - (B) Terylene
 - (C) Polythene
 - (D) Polystyrene
79. PVC has the repeating unit of
- (A) Styrene
 - (B) Vinyl chloride
 - (C) Ethylene
 - (D) Phenol
80. During the electrolysis of H_2SO_4 which ion is discharged at the anode ?
- (A) H^\oplus
 - (B) HSO_4^\ominus
 - (C) $\text{SO}_4^{\ominus\ominus}$
 - (D) OH^\ominus
81. 1 Faraday is equivalent to how many coulombs ?
- (A) 95600
 - (B) 96500
 - (C) 90560
 - (D) 90650

(Space For Rough Work)

82. The Chemical Formula of Ferric Sulphate is

- (A) $\text{Fr}(\text{SO}_4)_2$
- (B) FeSO_4
- (C) $\text{Fe}_2(\text{SO}_4)_3$
- (D) $\text{Fe}_3(\text{SO}_4)_2$

83. Give the possible values of n and l for an electron in $3p$ orbital

- (A) $n = 2, l = 1$
- (B) $n = 1, l = 2$
- (C) $n = 3, l = 1$
- (D) $n = 2, l = 3$

84. The shapes of p -orbital is

- (A) Spherical
- (B) Circular
- (C) Trigonal
- (D) Dumb-bell shaped

85. The composition of water gas is

- (A) $\text{CO} + \text{H}_2$
- (B) $\text{CO}_2 + \text{H}_2$
- (C) $\text{CO}_2 + \text{N}_2$
- (D) $\text{CH}_4 + \text{H}_2\text{O}$

86. Spin quantum number is expressed by the letter

- (A) s
- (B) p
- (C) m
- (D) n

87. A variety of water which contains soluble salts of calcium and magnesium is called

- (A) Heavy water
- (B) Soft water
- (C) Saline water
- (D) Hard water

(Space For Rough Work)

88. Which of the following subshell can accommodate as many as 10 electrons ?

- (A) 2p
- (B) 3d
- (C) 3s
- (D) 4p

90. The shape of the water molecule is

- (A) Pyramidal
- (B) Tetrahedral
- (C) V-shaped
- (D) Linear

92. Dative bond present in

- (A) SO_3
- (B) NH_3
- (C) CH_4
- (D) NaCl

89. Nitrogen is having three unpaired electrons according to

- (A) Hund's rule
- (B) Aufbau principle
- (C) Pauli's exclusion principle
- (D) Heisenburg's uncertainty principle

91. In Ethyne molecule triple bond is made up of

- (A) One σ bond two π bond
- (B) One π bond two σ bond
- (C) One metallic bond two π bond
- (D) One σ bond two metallic bond

93. Maximum number of electrons present in 'N' shell is

- (A) 18
- (B) 32
- (C) 2
- (D) 8

(Space For Rough Work)

94. Which of the following has maximum calorific value ?

- (A) Water gas
- (B) Coal gas
- (C) Producer gas
- (D) Gobar gas

96. The metallurgical process in which a metal is obtained in a fused state is called

- (A) Smelting
- (B) Roasting
- (C) Calcination
- (D) Froath flotation

98. Coke is a pure variety of carbon which contains

- (A) 60% C
- (B) 50% C
- (C) 80-95% C
- (D) 70-80% C

100. SO_2 gas is a dangerous air pollutant and harms plant life by

- (A) Darkening of the leaves
- (B) Withering of the leaves
- (C) Falling leaves
- (D) Bleaching of the leaves

95. Purest form of coal is

- (A) Peat
- (B) Lignite
- (C) Anthracite
- (D) Bituminous

97. The substance which is added to ores to remove the impurities is known as

- (A) Slag
- (B) Flux
- (C) Gangue
- (D) Catalyst

99. Ozone layer depletion in the stratosphere is mainly caused by

- (A) SO_2
- (B) SO_3
- (C) H_2S
- (D) CFCs

(Space For Rough Work)

DET-2012 (LA) SET-code - 4

(Admission into 3rd semester of 3 yrs Diploma course)

LATERAL ENTRY

SET-4

| Q.No. | Answer |
|-------|--------|
| 1 | C |
| 2 | A |
| 3 | B |
| 4 | D |
| 5 | C |
| 6 | C |
| 7 | B |
| 8 | A |
| 9 | A |
| 10 | B |
| 11 | C |
| 12 | D |
| 13 | B |
| 14 | C |
| 15 | B |
| 16 | A |
| 17 | D |
| 18 | C |
| 19 | A |
| 20 | B |
| 21 | C |
| 22 | D |
| 23 | B |
| 24 | A |
| 25 | A |
| 26 | B |
| 27 | D |
| 28 | B |
| 29 | A |
| 30 | C |
| 31 | A |
| 32 | A |
| 33 | C |
| 34 | B |
| 35 | A |
| 36 | C |
| 37 | B |
| 38 | B |
| 39 | A |
| 40 | C |
| 41 | B |
| 42 | A |
| 43 | C |
| 44 | A |
| 45 | B |
| 46 | C |
| 47 | A |
| 48 | C |
| 49 | C |
| 50 | D |

Set-code - 4

DET-2012 (LA)

(Admission into 3rd semester of three years Diploma course)

LATERAL ENTRY

Ans SET-4

| Q.No. | Answer |
|-------|--------|
| 51 | C |
| 52 | A |
| 53 | C |
| 54 | A |
| 55 | D |
| 56 | A |
| 57 | B |
| 58 | C |
| 59 | A |
| 60 | D |
| 61 | D |
| 62 | C |
| 63 | A |
| 64 | D |
| 65 | C |
| 66 | B |
| 67 | A |
| 68 | B |
| 69 | D |
| 70 | B |
| 71 | B |
| 72 | A |
| 73 | D |
| 74 | D |
| 75 | D |
| 76 | D |
| 77 | A |
| 78 | A |
| 79 | B |
| 80 | A |
| 81 | A |
| 82 | C |
| 83 | C |
| 84 | D |
| 85 | A |
| 86 | A |
| 87 | D |
| 88 | B |
| 89 | A |
| 90 | C |
| 91 | A |
| 92 | A |
| 93 | B |
| 94 | B |
| 95 | C |
| 96 | A |
| 97 | B |
| 98 | C |
| 99 | D |
| 100 | D |

years
Diploma
course

16/5/2012

16/5/2012