074/2025

Maximum : 100 marks

Time : 1 hour and 30 minutes

1. The number of bases for a nontrivial vector space is :

(A) 1 (B) 2

(C) Finite (D) Infinite

2. Let $V = \left\{ \begin{bmatrix} 1+t \\ 2-3t \\ 3+2t \end{bmatrix} / t \in R \right\}$. Vector addition on V is defined by $\begin{bmatrix} 1+t_1 \\ 2-3t_1 \\ 3+2t_1 \end{bmatrix} + \begin{bmatrix} 1+t_2 \\ 2-3t_2 \\ 3+2t_2 \end{bmatrix} = \begin{bmatrix} 1+t_1+t_2 \\ 2-3(t_1+t_2) \\ 3+2(t_1+t_2) \end{bmatrix}$ and Scalar Multiplication by $c * \begin{bmatrix} 1+t \\ 2-3t \\ 3+2t \end{bmatrix} = \begin{bmatrix} 1+ct \\ 2-3ct \\ 3+2ct \end{bmatrix}$. If V is a vector space, find the additive identity :

(A) $\begin{bmatrix} 1 \\ 3 \\ 2 \end{bmatrix}$ (B) $\begin{bmatrix} 1 \\ 2 \\ 3 \end{bmatrix}$

(C) $\begin{bmatrix} 1 \\ -3 \\ 2 \end{bmatrix}$ (D) $\begin{bmatrix} 1 \\ -3 \\ 3 \end{bmatrix}$

3. The dimension of the Vector Space P_n, where P_n represents the set of all polynomials of degree n or less under usual addition and multiplication is :

(A) 0 (B) 1

(C) n (D) $n+1$

4. Let $A = \begin{bmatrix} 1 & 2 & 3 \\ 1 & 2 & -3 \\ 2 & -1 & 3 \end{bmatrix}$. Then $A \,.\, adj\, A =$

(A) $\begin{bmatrix} 1 & 0 & 0 \\ 0 & 1 & 0 \\ 0 & 0 & 1 \end{bmatrix}$ (B) $\begin{bmatrix} 10 & 0 & 0 \\ 0 & 10 & 0 \\ 0 & 0 & 10 \end{bmatrix}$

(C) $\begin{bmatrix} -30 & 0 & 0 \\ 0 & -30 & 0 \\ 0 & 0 & -30 \end{bmatrix}$ (D) $\begin{bmatrix} 3 & -4 & -5 \\ -9 & 2 & -3 \\ 2 & 3 & 1 \end{bmatrix}$

5. Let $A = \begin{bmatrix} a & b \\ c & d \end{bmatrix}$, then $A^2 - (a+d)A + (ad - bc)I =$ _____.

(A) $\begin{bmatrix} a & b \\ c & d \end{bmatrix}$ (B) $\begin{bmatrix} 1 & 0 \\ 0 & 1 \end{bmatrix}$

(C) $\begin{bmatrix} 1 & 1 \\ 1 & 1 \end{bmatrix}$ (D) $\begin{bmatrix} 0 & 0 \\ 0 & 0 \end{bmatrix}$

6. Let $T : R^3 \to R^3$ be a linear operator and B a basis for R^3 given by $B = \left\{ \begin{bmatrix} 1 \\ 0 \\ 0 \end{bmatrix}, \begin{bmatrix} 0 \\ 1 \\ 0 \end{bmatrix}, \begin{bmatrix} 0 \\ 0 \\ 1 \end{bmatrix} \right\}$.

$T \begin{bmatrix} 1 \\ 0 \\ 0 \end{bmatrix} = \begin{bmatrix} 1 \\ -1 \\ 0 \end{bmatrix}$, $T \begin{bmatrix} 0 \\ 1 \\ 0 \end{bmatrix} = \begin{bmatrix} 2 \\ 0 \\ 1 \end{bmatrix}$; $T \begin{bmatrix} 0 \\ 0 \\ 1 \end{bmatrix} = \begin{bmatrix} 1 \\ -1 \\ 1 \end{bmatrix}$, Then find $T \begin{bmatrix} 1 \\ 2 \\ 3 \end{bmatrix} = ?$

(A) $\begin{bmatrix} 1 \\ -1 \\ 0 \end{bmatrix}$ (B) $\begin{bmatrix} 8 \\ -4 \\ 5 \end{bmatrix}$

(C) $\begin{bmatrix} 4 \\ 0 \\ 2 \end{bmatrix}$ (D) $\begin{bmatrix} 3 \\ -3 \\ 3 \end{bmatrix}$

7. Find the angle between the two vectors $u = \begin{bmatrix} 3 \\ 0 \\ 0 \end{bmatrix}$ and $v = \begin{bmatrix} 0 \\ 2 \\ 0 \end{bmatrix}$.

(A) $\theta = \pi/2$ (B) $\theta = \pi$

(C) $\theta = 0$ (D) $\theta = \pi/4$

8. Find $\lim_{x \to 0} \frac{\sin 4x}{\tan 4x} =$ _____.

(A) 1 (B) 0

(C) –1 (D) Undefined

9. The maximum value of $\frac{\log x}{2x}$ is :

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

(C) e (D) 1

10. The Rolle's theorem is applicable for the function $y = \tan x$ in the interval :

(A) $0 \leq x \leq \pi$ (B) $0 < x < \pi$

(C) $-\pi \leq x \leq \pi$ (D) None of these

11. Let $K \subset R$, consists of 0 and the numbers $1/n$ for $n = 1, 2, 3 \ldots$. Then K is :

(A) Connected Set (B) Compact Set

(C) Continuous Set (D) Cantor Set

12. Which of the following is true for the series $\sum_{n=1}^{\infty} (-1)^n \frac{x^2 + n}{n^2}$?

(A) Converges uniformly for every interval

(B) Converges uniformly in every bounded interval

(C) Converges absolutely for every value of x

(D) None of the above

13. If the function $f : R \to R$ is defined by $f(x) = [x]$, where [.] represents the greatest integer function then choose the correct option?

(A) $f(x)$ is continuous on R

(B) $f(x)$ is differentiable on R

(C) $f(x)$ is Riemann Integrable

(D) $f(x)$ is not Riemann Integrable

14. Compute $\int_0^2 \int_0^2 \int_0^2 dx\, dy\, dz$:

(A) 8 (B) 4

(C) 2 (D) 1

15. Which of the following sets have Lebesgue measure not equal to zero?

(A) Cantor set (B) $\{1, 2, 3, 4 \ldots.\}$

(C) ϕ (D) $(2, 5)$

16. Evaluate $\lim_{(x,y)\to(0,0)} \frac{x - y + 2\sqrt{x} - 2\sqrt{y}}{\sqrt{x} - \sqrt{y}}$ for $x \neq y$:

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

(C) 2 (D) Limit doesn't exist

17. Find the tangent plane of the surface $f(x, y, z) = x^2 + y^2 + z^2 - 3 = 0$ at the point $(1, 1, 1)$:

(A) $2x + 2y + 2z = 0$ (B) $x + y + z = 6$

(C) $x + y - z = -6$ (D) $x + y + z = 3$

18. Find the directional derivative of $f(x, y) = e^x \cos 2y$ at the point $\left\{0, \frac{\pi}{4}\right\}$ in the direction $v = 2i + 3j$:

(A) $\frac{6}{\sqrt{13}}$ (B) $\frac{-6}{\sqrt{13}}$

(C) $\frac{4}{\sqrt{13}}$ (D) $\frac{-4}{\sqrt{13}}$

19. Which of the following is a critical point of the function $f(x, y) = x^3 + y^2 - 2xy + 7x - 8y + 2$?

(A) $(2, 5)$ (B) $\left(-\frac{1}{3}, \frac{11}{3}\right)$

(C) $\left(-\frac{1}{3}, \frac{1}{3}\right)$ (D) $(-2, 5)$

20. Which of the following is not true for a Gamma function (Γ) ?

(A) $\Gamma\left(\frac{1}{2}\right) = \sqrt{\pi}$ (B) $\Gamma(1) = 1$

(C) $\Gamma(2) = 2$ (D) $\Gamma(p+1) = p\,\Gamma(p)$, for all $p > 0$.

21. Express the integral $\int_0^1 \frac{x^2}{\sqrt{1-x^5}}\,dx$ in terms of Beta function (β) :

(A) $\frac{1}{5}\beta\left(\frac{3}{5}, \frac{1}{2}\right)$ (B) $\frac{1}{5}\beta\left(\frac{3}{5}, \frac{3}{5}\right)$

(C) $5\,\beta\left(\frac{3}{5}, \frac{1}{2}\right)$ (D) $5\,\beta\left(\frac{3}{5}, \frac{3}{5}\right)$

22. Which of the following group is cyclic?

(A) Klein-4-group

(B) D_4

(C) The group of roots of the equation $x^n - 1 = 0$

(D) $Z \times Z$

23. Every finite group is isomorphic to a subgroup of :

(A) Z_n, for some $n \geq 0$ (B) S_n, for some $n \geq 0$

(C) $(Z, +)$ (D) $(R, +)$

24. Find the order of the element (3, 6, 12, 16) in $Z_4 \times Z_{12} \times Z_{20} \times Z_{24}$?

(A) 15 (B) 30

(C) 60 (D) 120

25. Which of the following pairs of groups are isomorphic?

(i) The additive group R of real numbers

(ii) The additive group of all integral multiples of π

(iii) Multiplicative group of positive real numbers

(iv) Multiplicative group of non zero complex numbers

(A) Only (i) and (ii)

(B) Only (iii) and (iv)

(C) Only (ii) and (iii)

(D) Only (i) and (iii)

26. The number of non-isomorphic group of order 10 :

(A) 2 (B) 5

(C) 10 (D) 4

27. Number of generators of the additive group Z_{36} is equal to :

(A) 2 (B) 36

(C) 12 (D) 24

28. Let $\mu = (1,2,4,5)(3,6)$ be a permutation in S_6. Find the index of cyclic subgroup generated by μ in S_6 :

(A) 720 (B) 360

(C) 180 (D) Infinite

29. The set of all 2×2 matrices with entries in the field Z_2 is an example of :

(A) Infinite noncommutative ring

(B) Finite noncommutative ring

(C) Infinite commutative ring

(D) Finite commutative ring

30. Which of the following is not a solution of the equation $x^3 - 2x^2 - 3x = 0$ in Z_{12} ?

(A) 8 (B) 5

(C) 11 (D) 2

31. The sylow 2 subgroup of a group of order 12 has order _____.

(A) 1 (B) 2

(C) 3 (D) 4

32. Find the degree of field extension $Q\left(\sqrt{2} + \sqrt{3}\right)$ over $Q\left(\sqrt{3}\right)$:

(A) 2 (B) 4

(C) 6 (D) 8

33. The number of maximal ideals of ring Z_6 :

(A) 6 (B) 2

(C) 3 (D) Has no maximal ideal

34. Find all $c \in Z_5$ such that $\frac{z_5[x]}{(x^2 + c\,x + 1)}$ is a field :

(A) 1, 4 (B) 2, 3

(C) 2, 5 (D) 0

35. Number of units in the ring $Z \times Z$:

(A) Infinite (B) 2

(C) 4 (D) 1

36. What is the open ball $B_S(0, 1)$ in the metric subspace $S = [0, 1]$ of the Euclidean space $\mathbb{R}$?

(A) $(-1, 1)$ (B) $[0, 1)$

(C) $(0, 1]$ (D) $(0,1)$

37. Which of the following statement is true about a continuous function?

(A) The image of an open set under a continuous map is open

(B) The image of a closed set under a continuous map is closed

(C) The image of a connected space under a continuous map is connected

(D) All the above are true

38. Which of the following statement is correct?

(A) The real line $\mathbb{R}$ with standard topology is compact

(B) The interval $(0,1)$ is compact

(C) Every compact subspace of a Hausdorff space is closed

(D) The image of a compact space under a continuous map need not be compact

39. Which of the following property is a hereditary property of a Topological space?

(A) Regularity (B) Lindelof

(C) Separability (D) Normality

40. Let $S = \left\{\left(x, \sin\frac{1}{x}\right), 0 < x \leq 1\right\}$ in the plane. Then which of the following is not true?

(A) S is connected (B) $\overline{S}$ is connected

(C) $\overline{S}$ is path connected (D) $\overline{S}$ is not locally connected

41. Which of the following statement is not correct?

(A) The real line $\mathbb{R}$ with standard topology is second countable

(B) Every metrizable spaces are first countable

(C) The product of two Lindelof spaces need not be Lindelof

(D) A subspace of a Lindelof space is Lindelof

42. Which of the following statement is correct about the closure of subsets of a topological space?

(A) If $A \subset B$, then $\overline{B} \subset \overline{A}$

(B) $\overline{A \cup B} = \overline{A} \cup \overline{B}$

(C) $\overline{U_{\alpha \in I} A_\alpha} = U_{\alpha \in I} \overline{A_\alpha}$

(D) All the above

43. What is the radius of convergence of the power series $\sum_0^\infty \frac{(n!)^2}{(2n)!} z^n$?

(A) 4

(B) $\frac{1}{4}$

(C) 2

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

44. What is the residue of $f(z) = \frac{z^3}{z^2 - 1}$ at $z = \infty$?

(A) 1

(B) 2

(C) –2

(D) –1

45. Determine the number of roots of the equation $z^8 - 4z^5 + z^2 - 1$ that lie inside the circle $|z| = 1$:

(A) 8

(B) 5

(C) 1

(D) 3

46. What is the value of $\int_0^\infty \frac{dx}{1 + x^4}$?

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

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

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

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

47. If $f(z)$ is an analytic function in a domain D, such that real part of $f(z)$ is constant in D, then which one of the following is not true?

(A) $f(z)$ is a constant in D

(B) $f(z)$ is the identity function

(C) $f'(z) = 0$ in D

(D) $|f(z)|$ is a constant in D

48. Consider the two statements for $z \in \mathbb{C}$:

(i) e^z is a one to one function

(ii) e^z is a bounded entire function

Then

(A) only (i) is true

(B) only (ii) is true

(C) both (i) and (ii) are true

(D) both (i) and (ii) are false

49. Let C be the circle $|z| = \frac{3}{2}$ in the complex plane that is oriented in the counter clockwise direction. The value of a for which $\int\left(\frac{z+1}{z^2-3z+2}+\frac{a}{z-1}\right)dz = 0$:

(A) 1 (B) –1

(C) 2 (D) –2

50. Let H be a Hilbert space over R and $x, y \in H$ be such that $\|x\| = 1$, $\|y\| = 3$ and $\|x - y\| = 3$, then $\|x + y\|$ is :

(A) 2 (B) 0

(C) $\sqrt{7}$ (D) $\sqrt{11}$

51. Let X be an inner product space. Then the orthogonal complement of $\{0\}$ is :

(A) X (B) $\{0\}$

(C) $X \setminus \{0\}$ (D) $X^{\perp}$

52. Consider the statement :

(i) Every finite dimensional normed linear space is a Banach Space

(ii) Every Banach space is finite dimensional linear space

(A) Only (i) is true (B) Only (ii) is true

(C) (i) and (ii) are true (D) None of the above

53. Let X and Y be normed space and $F : X \to Y$ be a linear map with :

(i) F is bounded on $\overline{u}(0, r)$ for some $r > 0$

(ii) F is continuous at 0

(iii) F is continuous on X

(iv) F is uniformly continuous on X. Which of the following is true?

(A) Only (i) and (ii) (B) Only (ii) and (iii)

(C) Only (iii) and (iv) (D) All the above

54. Let H be a Hilbert space :

(i) Let A and B be self adjoint then $A + B$ is self-adjoint.

(ii) Let A and B be unity then AB is unitary

(iii) Let A and B be normal then AB is normal. Which of them is correct?

(A) Only (i) and (ii) (B) Only (ii) and (iii)

(C) Only (i) and (iii) (D) None of the above

55. An operator A is called normal if :

(A) $A = A^*$ (B) $AA^* = A^*A$

(C) $AA^* = A^*A = 1$ (D) $\langle A_X, X\rangle \geq 0 \forall X$

56. Consider $f : R \to R$. Which of the following is not a linear map?

(A) $f(x) = x$ (B) $f(x) = 5x + 4$

(C) $f(x) = 2x$ (D) $f(x) = 0$

57. Which of the following differential equations are homogeneous?

(i) $y' = \dfrac{y + x}{x}$

(ii) $y' = \dfrac{y + x^2}{x^3}$

(iii) $y' = \dfrac{2xye^{\frac{x}{y}}}{x^2 + y^2 \sin\left(\dfrac{x}{y}\right)}$

(A) Only (i) (B) Only (i) and (iii)

(C) Only (ii) (D) Only (ii) and (iii)

58. What is the particular solution of the differential equation $y' + y^2 = 0$?

(A) $\dfrac{1}{x}$ (B) 1

(C) 2 (D) $\log x$

59. What is the integrating factor of the equation $y' = 2xy - x$?

(A) e^{-x} (B) $\log x$

(C) e^{-2x} (D) e^{-x^2}

60. What is the solution of the partial differential equation $(p^2 + q^2)y = qz$ is?

(A) $(x^2 + b^2)y = qz$ (B) $(x + b)^2 y = az^2$

(C) $xyb = a$ (D) $(x + y + b)^2 y = az^2$

61. Which of the following differential equation are linear?

(i) $y' = (\sin x)y + e^x$

(ii) $y' = x \sin y + e^x$

(iii) $y' = 5$

(iv) $y' = y^2 + x$

(A) Only (ii) and (iv) (B) Only (i) and (ii)

(C) Only (i) and (iii) (D) Only(i) and (iv)

62. The general solution of the linear partial differential equation $z(xp - yq) = y^2 - x^2$ is :

(A) $F(xy, x^2) = 0$ (B) $F(xy, x^2 + y^2) = 0$

(C) $F(xy, y^2) = 0$ (D) $F(xy, x^2 + y^2 + z^2) = 0$

63. The initial value problem $y\dfrac{dx}{dy} = x,\ x(0) = 0,\ y > 0$:

(A) There will be no solution (B) Unique solution

(C) Only two solutions (D) Infinite solutions

64. How many Primes are occurred in the etic sequence?

$a, a + b, a + 2b, a + 3b, \ldots$ where a and b are relatively prime.

(A) Infinite (B) 0

(C) 1 (D) Finite

65. Find the number of positive integers ≤ 2076 and divisible by neither 4 nor 5 :

(A) 975 (B) 796

(C) 831 (D) 1245

66. The remainder of $14^{84} + 37^{91}$ on division by 11 :

(A) 7 (B) 8

(C) 11 (D) 14

67. The inverse of 'a' modulo p, if p is prime and p does not divide a is :

(A) $\dfrac{1}{a}$ (B) a

(C) a^{p-2} (D) a^{1-p}

68. The value of x for which the linear congruence $35x \equiv 47 \pmod{24}$:

(A) 13 (B) 4

(C) 16 (D) 11

69. Which are the incongruent solution of congruence $x^3 - 1 \equiv 0 \pmod{13}$?

(A) 1, 4, 6 (B) 1, 3, 9

(C) 3, 9, 27 (D) None of the above

70. The solution of the linear system $x \equiv 1 \pmod{3}, x \equiv 2 \pmod{4}, x \equiv 3 \pmod{5}$. Is :

(A) 58 (B) 51

(C) 43 (D) 81

71. Which is not a characteristic of Problem Based Learning?

(A) Teacher as facilitator

(B) Learner as self-regulated

(C) Presentation of ill-structured problems

(D) Specification of a predetermined end product

72. Field dependent learners are :

(A) Analytical

(B) Relying on internal cues

(C) Social and Co-operative

(D) Self-directed

73. Two statements are given below :

(i) Culturally responsive teaching recognizes the importance of creating an environment where all students feel valued, respected, and understood.

(ii) Avoiding culturally sensitive assessments helps ensure that all students have an equal opportunity to succeed.

Select the correct one with respect to these statements

(A) Both Statement (i) and Statement (ii) are correct

(B) Statement (i) is correct, but Statement (ii) is wrong

(C) Statement (i) is wrong but Statement (ii) is correct

(D) Both statement (i) and Statement (ii) are wrong

74. Learner related factors affecting teaching are :

(i) Previous experience of the learner

(ii) Maturity level of the learner

(iii) Parental education of the learner

(A) (i), (ii) and (iii)

(B) (i) and (ii)

(C) (ii) and (iii)

(D) (i) and (iii)

75. A mathematics teacher asks students to write a reflective journal to document their approach, strategies, and thought processes as they work through the mathematics problem. The assessment in this case is :

(A) Assessment as learning

(B) Assessment of learning

(C) Summative assessment

(D) No assessment possible

76. Two statements are given below :

Statement (i) : Internal validity of an experimental research is always ensured statistically.

Statement (ii) : Internal validity examines the extent to which systematic error is present in the experimental research.

Which among the following is true with respect to these statements?

(A) Both statement (i) and (ii) are correct

(B) Statement (i) is correct, but (ii) is incorrect

(C) Statement (i) is incorrect, but (ii) is correct

(D) Both statement (i) and (ii) are incorrect

77. Which qualitative research approach is primarily concerned with understanding the lived experience?

(A) Case study (B) Ethnography

(C) Grounded theory (D) Phenomenology

78. Dr. X uses their own published work without indicating that it has been published earlier. This is a case of :

(A) Accidental Plagiarism (B) Auto Plagiarism

(C) Source based Plagiarism (D) Originality

79. Formulation of hypothesis helps in :

(i) Making the study focused

(ii) Reporting the results objectively

(iii) Review of related studies

(A) (i) and (ii) (B) (i) and (iii)

(C) (ii) and (iii) (D) (i), (ii) and (iii)

80. Consider the following statements :

(i) Conference and symposium focus on dissemination of knowledge

(ii) Conference is a smaller event compared to symposia

(iii) In conference there will be presentations by researchers, professionals and experts on their latest research findings, exchange ideas and network.

(iv) A symposium is usually centred on a specific theme or topic.

Which statements are correct?

(A) (i) (ii) and (iii) (B) (i), (ii) and (iv)

(C) (i), (iii) and (iv) (D) (ii), (iii) and (iv)

81. Consider the following statement(s) in respect of Anti-defection Law in India :

(i) The 10th schedule of the Constitution of India is about Anti -Defection Law.

(ii) The decision on disqualification questions on the ground of defection is referred to the President who will take a decision on the advice of Election Commission.

(iii) All proceedings in relation to the disqualification under this Schedule are considered to be proceedings in Parliament or the Legislature of a state as is the case.

Which of the statement(s) given below is/are correct?

(A) Only (i) and (ii)
(B) Only (ii) and (iii)
(C) Only (i) and (iii)
(D) All of the above (i), (ii) and (iii)

82. Which of the following statement(s) is/are correct about GST Council?

(i) The Union Finance Minister is the Chairperson of the GST Council

(ii) The Prime Minister of India is not a member of the GST Council

(iii) The Finance Secretary of the Government of India is a member of the GST Council

(A) Only (i) and (ii)
(B) Only (i) and (iii)
(C) Only (ii) and (iii)
(D) All of the above (i), (ii) and (iii)

83. Which of the following statement(s) is /are true with reference to the Joint sitting of the Parliament?

(i) According to Article 108, the President can make rules for the procedure of the joint sitting after due consultation with the Chairman of the Council of States and the Speaker of the House of the People.

(ii) The President of India has the power to call a joint sitting

(iii) In the absence of the Speaker and the Deputy speaker of the Lok Sabha, the joint sitting of the Parliament is presided by the Chairman of the Rajya Sabha

(A) Only (i) and (iii)
(B) Only (ii) and (iii)
(C) Only (ii)
(D) Only (iii)

84. Which statement(s) regarding the Estimates Committee is/ are True?

(i) The Estimates Committee is the Largest Committee of the Parliament

(ii) The term of the committee is Two years

(iii) Estimates committee consisting of members from both Houses of Parliament

(A) Only (i) and (ii)
(B) Only (ii) and (iii)
(C) Only (i)
(D) Only (iii)

85. Which of the following statements about Emergency provisions under the Constitution of India is/are not correct?

(i) Proclamation of Emergency must be approved by the two houses of Parliament with special majority within two months

(ii) Every resolution approving the Proclamation of Emergency or its continuance must be passed by either house of Parliament by a special majority

(iii) The 44th Amendment Act made the Declaration of National Emergency immune to Judicial review.

(A) Only (i)
(B) Only (ii) and (iii)
(C) Only (ii)
(D) Only (i) and (iii)

86. Consider the statements given below :

(i) 42nd Amendment Act of 1976 moved Four subjects from the State List to the Concurrent List.

(ii) Article 248 empowers the Parliament to legislate with respect to a matter in the State List in the national interest.

(iii) Establishment of standards of weight and measure is included in the Union List.

Which of the following statement(s) is/are correct regarding the 7th Schedule of the Constitution of India?

(A) Only (i) and (ii)
(B) Only (ii) and (iii)
(C) Only (ii)
(D) Only (iii)

87. Which of the following statement(s) is/are correct about Domestic Violence Act of 2005?

(i) Section 16 deals with Proceedings to be held in Camera

(ii) Section 3 deals with Definition of Domestic violence

(iii) Section 22 deals with the Duties and Functions of the Protection Officers

(A) Only (i) and (ii)
(B) Only (ii) and (iii)
(C) Only (i) and (iii)
(D) All of the above (i), (ii) and (iii)

88. Which of the following statement(s) regarding Central Information Commission is /are correct?

(i) The Central Information Commission is a statutory body, set up under Section 18 of the Right to Information Act in 2005

(ii) It consists of a Chief Information Commissioner and not more than Eight Information Commissioners

(iii) Section 14 of the Right to Information Act 2005 deals with Removal of the Chief Information Commissioner or Information Commissioners

(A) Only (i) and (ii)
(B) Only (i) and (iii)
(C) Only (iii)
(D) None of the above

89. With reference to the sections of The Wildlife Protection Act 1972, consider the following statements :

(i) National Board for Wildlife was constituted under Section 5A.

(ii) National Tiger Conservation Authority was constituted under section 38L.

(iii) Section 6 of the Act deals with Prohibition of hunting.

Which of the above statement(s) is/are not correct about Wildlife Protection Act 1972?

(A) Only (i) and (iii)
(B) Only (iii)
(C) Only (ii)
(D) Only (ii) and (iii)

90. Consider the following statements regarding 8th Schedule of the Constitution of India :

(i) The 71st Amendment to the Indian Constitution included Konkani, Manipuri and Nepali languages in the 8th Schedule.

(ii) The Sindhi language was added in the 8th Schedule by the 31st Amendment Act.

(iii) Bodo, Dongri, Maithili and Santhali were added by the 92nd Amendment Act.

Which of the above statement(s) is/are correct?

(A) Only (i)
(B) Only (ii)
(C) Only (i) and (ii)
(D) Only (i) and (iii)

91. 'Devagita' is a well-known Malayalam translation of Jayadev's "Geeta Govinda". Name the poet who translated it into Malayalam :

(A) Pala Narayanan Nair
(B) Vyloppilli Sreedhara Menon
(C) ONV Kurup
(D) Changampuzha Krishna Pillai

92. The author of the book entitled 'Wonder that was India' :

(A) A.L. Basham
(B) Jawaharlal Nehru
(C) Karl Marx
(D) Vincent Smith

93. Three Language formula for education was proposed by :

(A) Kothari commission
(B) Muhammad committee
(C) Sachar committee
(D) Radha Krishnan committee

94. The Peasant uprising of Malabar was known as :

(A) Kuricha Rebellion
(B) Mappila Rebellion
(C) Freedom Struggle
(D) Channar Revolt

95. The Gayathri Mantra is the most reversed Vedic Mantra in Hinduism. Which Vedic Sage is considered as the author of Gayathri Mantra?

(A) Sage Viswamitra
(B) Sage Agasthya
(C) Sage Angiras
(D) Sage Kashyapa

96. Tinkathia system is associated with which one of the following movement?

(A) Champaran Satyagraha
(B) Kheda Satyagraha
(C) Non-Cooperation Movement
(D) Mappila Rebellion

97. Who was Saradamani?

(A) Wife of Ram Mohan Roy
(B) Wife of Rama Krishna Paramahamsa
(C) Mother of Vivekanand
(D) Daughter of Kesab Chandra Sen

98. Community development programme is implemented at the :

(A) Village level
(B) Block level
(C) District level
(D) Regional level

99. Which one of the following is wrongly listed with regard to Kanpur conspiracy case?

(A) S.A. Dange
(B) Muzaffar Ahmed
(C) Nalini Gupta
(D) M.N. Roy

100. 'Hinduism dies if untouchability lives and untouchability has to die if Hinduism is to live'. This was said by :

(A) Dr. B.R. Ambedkar
(B) Jawaharlal Nehru
(C) Gandhi
(D) Subash Chandra Bose

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