Exam Name : APDCL_Assistant Accounts Officer_Mathematics

Total Questions : 100

Description :

Important Examination Instructions

1. Each question will carry 1 (One) Mark for correct answer.
2. There will be a negative marking of 0.25 (one-fourth) marks for wrong answer
3. Do not use the alt-tab, mouse or any other device to shift from examination screen to any other screen or do not try to open any other application while attempting the examination. Doing so may result in discontinuation of examination and your examination will be considered as null and void.**Attempting to close the browser repeatedly will lock the exam.**

How to use the system:

1. **How to start the test**: You can start the test by clicking the Declaration Check box and then 'I am ready to begin button ' .
2. **How to change the question:** For the move to the next question you have to click on the 'Save And Next' button the same as for move to the back, click on the 'Previous' button.
3. **How to answer a question**: You can select any answer by clicking on the button displayed just before the answers. You have to finally click the button - Save and Next - to save your answer and move to the next question. In Exam Sections, the Red Circle corresponding to this question turns Green. You can go to any section / any question number by clicking the relevant control.
4. **How to skip the question**: You can click the " Next Question" control to move on the next question
5. **How to mark a question for review**: If you want to review any question later, you have to click the "Review" checkbox. This answer will be marked for review.
6. **How to Submit your test: By clicking On last question and Submit Test button** one popup window display asking for "Are you sure, you want to Submit your test ?" You have to click on "YES" to submit your test.
• Circle symbols displayed at the bottom of the screen:
  -Red Color: Current Question.
  -Green Color: Attempted Question.
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  -Blue Color: Attempted and Reviewed Question.
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Q.1 .

In a group G, if $o(a) = 10$, then and if $b \in G$, then $o(ba^2b^{-1})$ is

(A) 5 (B) 10

(C) 15 (D) 20

Marks 1

Question ID: 2806

No		Options Details	Correct Option
1	A		✔
2	B		
3	C		
4	D		

Q.2

The index of A_4 in S_4 is

(A) 6   (B) 4

(C) 2   (D) 12

Marks   1

Question ID:
2807

No	Options Details	Correct Option
1	A	
2	B	
3	C	✔
4	D	

Q.3

Which of the following is correct in respect of cube roots of unity

(A) They are collinear

(B) They form an equilateral triangle

(C) They lie on a circle of radius $\sqrt{3}$

(D) They form an isosceles triangle

Marks   1

Question ID:
2808

No	Options Details	Correct Option
1	A	
2	B	✔
3	C	
4	D	

Q.4   The number of generators of a cyclic group of order 18 is

Marks   1

Question ID:
2809

No	Options Details	Correct Option
1	2	
2	3	
3	9	
4	6	✔

Q.5

In a group S_4 there may exist an element of order

(A) 3

(B) 5

(C) 7

(D) 9

Marks   1

Question ID: 2810

No		Options Details	Correct Option
1	A		✔
2	B		
3	C		
4	D		

Q.6

If G is a group of even order, then the number of elements of order two is

(A) Zero

(B) Prime

(C) Even

(D) Odd

Marks   1

Question ID: 2811

No		Options Details	Correct Option
1	A		
2	B		
3	C		
4	D		✔

Q.7

Which of the following sets in R^2 is not a basis of R^2 over the field of real numbers R

(A) $\{(1, 0), (0, -1)\}$

(B) $\{(1, 1), (-1, 1)\}$

(C) $\{(-2, 1), (1, 0)\}$

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

Marks   1

Question ID: 2812

No		Options Details	Correct Option
1	A		
2	B		
3	C		
4	D		✔

Q.8

If $T : R^2 \to R^2$ is a linear transformation defined by $T(1, 0) = (1, 1)$ and $T(0, 1) = (-1, 2)$, then $T(1, 1) =$

(A) (2, 3)

(B) (0, 3)

(C) (1, 3)

(D) (2, 2)

Marks 1

Question ID: 2813

No	Options Details	Correct Option
1	A	
2	B	✔
3	C	
4	D	

Q.9

A basis of the vector space $p(x)$ of polynomials of degree $\le n$ in the variable x over a field F is

(A) $\{1, x, x^2, x^3, \ldots, x^n\}$

(B) $\{1, x, x^2, x^3, \ldots, x^{n-1}\}$

(C) $\{x, x^2, x^3, \ldots, x^n\}$

(D) $\{1, x, x^2, x^3, \ldots, x^n, \ldots\}$

Marks 1

Question ID: 2814

No	Options Details	Correct Option
1	A	✔
2	B	
3	C	
4	D	

Q.10 .

The system of equations $(4d-1)x+y+z=0$, $-y+z=0$ $(4d-1)z=0$ has a non-trivial solution, if d equals

(A) $\dfrac{1}{2}$ (B) $\dfrac{1}{4}$

(C) $\dfrac{3}{4}$ (D) 1

Marks   1

Question ID: 2815

No	Options Details	Correct Option
1	A	
2	B	✓
3	C	
4	D	

Q.11   The eigen values of a real symmetric matrix corresponding to different eigen values are

Marks   1

Question ID: 2816

No	Options Details	Correct Option
1	Orthogonal	✓
2	Singular	
3	Non-Singular	
4	None of these	

Q.12   .

If $f(x)=\dfrac{3x+|x|}{7x-5|x|}$, $x \neq 0$, then $\underset{x \to 0-}{Lt}\, f(x)$ and $\underset{x \to 0+}{Lt}\, f(x)$ are respectively

(A) 1/6, 2   (B) 2, 1/2

(C) −2, 2   (D) 2, −1/2

Marks   1

Question ID: 2817

No	Options Details	Correct Option
1	A	✓
2	B	
3	C	
4	D	

Q.13 .

$$\underset{x \to \infty}{Lt} \left(x + \frac{1}{x} \right)^x \text{ is}$$

(A) 1/e   (B) 0

(C) e   (D) ∞

Marks   1

Question ID: 2818

No	Options Details	Correct Option
1	A	
2	B	
3	C	✔
4	D	

Q.14 .

The function $f(x) = x^2$ is not uniformly continuous on

(A) $[0, \infty)$ (B) $[0, 1]$

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

Marks   1

Question ID: 2819

No	Options Details	Correct Option
1	A	✔
2	B	
3	C	
4	D	

Q.15 .

The maximum value of $f(x) = \dfrac{\log x}{x}$, $0 < x < \infty$ is

(A) e (B) e^2

(C) $\dfrac{1}{e}$ (D) $\dfrac{1}{e^2}$

| | Marks | 1 | Question ID: 2820 |

No	Options Details		Correct Option
1	A		
2	B		
3	C		✔
4	D		

Q.16 .

The height of the cylinder of maximum volume that can be inscribed in a sphere of radius a is

(A) $\dfrac{2a}{3}$ (B) $\dfrac{a}{\sqrt{3}}$

(C) $2\sqrt{3}a$ (D) $\dfrac{2a}{\sqrt{3}}$

| | Marks | 1 | Question ID: 2821 |

No	Options Details		Correct Option
1	A		
2	B		
3	C		
4	D		✔

Q.17

The value of $L(P, f)$ of the function $f(x) = x^2$ on $[0, 1]$ corresponding to the partition $P = \left\{0, \frac{1}{4}, \frac{2}{4}, \frac{3}{4}, 1\right\}$ is

(A) $\dfrac{15}{32}$

(B) $\dfrac{5}{32}$

(C) $\dfrac{9}{32}$

(D) $\dfrac{7}{32}$

Marks 1

Question ID: 2822

No		Options Details	Correct Option
1	A		
2	B		
3	C		
4	D		✔

Q.18

If is $\omega \neq 1$ is a cube root of unity, then the value of $\omega^{1994} + \omega^{1995}$ is

(A) $-\omega$

(B) $-\omega^2$

(C) $-\omega^3$

(D) $-\omega^5$

Marks 1

Question ID: 2823

No		Options Details	Correct Option
1	A		✔
2	B		
3	C		
4	D		

Q.19

If a function is not analytic at $z = a$, then $z = a$ is known as

(A) Zero of $f(z)$ (B) Singularity of $f(z)$

(C) Pole (D) Isolated Singularity

Marks 1

Question ID: 2824

No	Options Details		Correct Option
1	A		
2	B		✔
3	C		
4	D		

Q.20

The complex number z is purely imaginary if

(A) $z = \bar{z}$ (B) $z = -\bar{z}$

(C) $z = \bar{z}$ and $z = -\bar{z}$ (D) $\bar{z} = 0$

Marks 1

Question ID: 2825

No	Options Details		Correct Option
1	A		
2	B		✔
3	C		
4	D		

Q.21

The value of $\int_C \dfrac{dz}{z - a}$, where C is given by the equation

(A) πi (B) $-\pi i$

(C) $-2\pi i$ (D) $2\pi i$

Marks 1

Question ID: 2826

No	Options Details		Correct Option
1	A		
2	B		
3	C		
4	D		✔

Q.22   Every bounded entire function is

Marks   1

Question ID: 2827

No	Options Details	Correct Option
1	Monomial	
2	Constant	✔
3	Binomial	
4	Polynomial	

Q.23   .

The radius of the convergence of the power series $\sum \dfrac{z^n}{n!}$ is

(A) 0

(B) ∞

(C) 1

(D) n

Marks   1

Question ID: 2828

No	Options Details	Correct Option
1	A	
2	B	✔
3	C	
4	D	

Q.24   .

The smallest positive integer for which $\left(\dfrac{1+i}{1-i}\right)^n = 1$ where $i = \sqrt{-1}$

(A) 2

(B) 4

(C) 6

(D) 8

Marks   1

Question ID: 2829

No	Options Details	Correct Option
1	A	
2	B	✔
3	C	
4	D	

Q.25 .

If $y = \sqrt{\sin x + \sqrt{\sin x + \sqrt{\sin x \ldots}}}$, then $\dfrac{dy}{dx} =$

(A) $\dfrac{2y - 1}{\cos x}$

(B) $\dfrac{\cos x}{2y - 1}$

(C) $\dfrac{2x - 1}{\cos x}$

(D) $\dfrac{\cos y}{2y - 1}$

Marks	1		Question ID: 2830

No	Options Details	Correct Option
1	A	
2	B	✔
3	C	
4	D	

Q.26 .

$x^{\cos y} + y^{\cos x} = 5$, then

(A) At $x = 0,\ y = 0,\ y' = 0$

(B) At $x = 0,\ y = 1,\ y' = 0$

(C) At $x = 1,\ y = 1,\ y' = -1$

(D) At $x = 1,\ y = 0,\ y' = 1$

Marks	1		Question ID: 2831

No	Options Details	Correct Option
1	A	
2	B	
3	C	✔
4	D	

Q.27 .

If $y = \dfrac{\log x}{x}$, then $y''(e) =$

(A)   1

(B) $\dfrac{-1}{e}$

(C) $\dfrac{1}{e^2}$

(D) $\dfrac{-1}{e^3}$

Marks   1

Question ID:
2832

No	Options Details	Correct Option
1	A	
2	B	
3	C	
4	D	✔

Q.28 .

If $y^{1/n} = x + \sqrt{(1 + x^2)}$, then $(1 + x^2)\, y_2 + x y_1 =$

(A) $n^2 y$

(B) $n y^2$

(C) $n^2 y^2$

(D) $2ny$

Marks   1

Question ID:
2833

No	Options Details	Correct Option
1	A	✔
2	B	
3	C	
4	D	

Q.29 .

If $y = e^{3x+4}$, then $y_n(0) =$

(A) 1

(B) $3^n e^4$

(C) $3^n e^7$

(D) $4! e^4$

Marks   1

Question ID:
2834

No	Options Details	Correct Option
1	A	
2	B	✔
3	C	
4	D	

Q.30 .

$\int x^x (1 + \log|x|)\, dx =$

(A) $x^x \log|x| + c$

(B) $e^{x^x} + c$

(C) $x^x + c$

(D) $x^x + \log|x| + c$

Marks   1

Question ID:
2835

No	Options Details	Correct Option
1	A	
2	B	
3	C	✔
4	D	

Q.31   .

$$\int \frac{xe^x dx}{(1+x)^2} =$$

(A) $\frac{e^x}{x+1} + c$

(B) $e^x(x+1) + c$

(C) $\frac{-e^x}{(x+1)^2} + c$

(D) $\frac{e^x}{1+x^2} + c$

Marks   1

Question ID:
2836

No		Options Details	Correct Option
1	A		✔
2	B		
3	C		
4	D		

Q.32   .

$$\int_0^{11} [x]^3 dx \text{, where } [\ ] \text{ denotes integer part of } x \text{ is}$$

(A) 0

(B) 2200

(C) 14,400

(D) 3025

Marks   1

Question ID:
2837

No		Options Details	Correct Option
1	A		
2	B		
3	C		
4	D		✔

Q.33

$$\int_0^{2\pi} \frac{dx}{e^{\sin x} + 1} =$$

(A) π

(B) 0

(C) 2π

(D) $\pi/2$

Marks   1

No		Options Details	Correct Option
1	A		✔
2	B		
3	C		
4	D		

Q.34

Solution of the differential equation $y\dfrac{dy}{dx} = xe^{x^2+y^2}$ is

(A) $e^{-x^2} + e^{y^2} = c$

(B) $e^{x^2} + e^{-y^2} = c$

(C) $e^x + e^{-y^2} = c$

(D) $e^{x^2} - e^{-y^2} = c$

Marks   1

No		Options Details	Correct Option
1	A		
2	B		✔
3	C		
4	D		

Q.35

The solution of $xdy - y\,dx = xy^2 dx$ is

(A) $xy^2 + 2x = cx$

(B) $xy^2 - 2x = cy$

(C) $x^2y + 2y = cy$

(D) $x^2y + 2x = cy$

Marks   1

No		Options Details	Correct Option
1	A		
2	B		
3	C		
4	D		✔

Q.36 .

The integrating factor of $x^2 y\,dx - (x^3 + y^3)\,dy = 0$ is

(A) $\dfrac{-1}{y^4}$ (B) $\dfrac{1}{y^4}$

(C) $\dfrac{1}{x^4}$ (D) $\dfrac{-1}{x^4}$

Marks 1

Question ID: 2841

No	Options Details	Correct Option
1	A	✔
2	B	
3	C	
4	D	

Q.37 .

The solution of the differential equation $2xy^2\,dx - 2x^2 y\,dy - y^4 = 0$

(A) $x^2 = x^2 y + cy^2$ (B) $x^2 y = xy^2 + cy^2$

(C) $x^2 y^2 = c$ (D) $x^2 = xy^2 + cy^2$

Marks 1

Question ID: 2842

No	Options Details	Correct Option
1	A	
2	B	
3	C	
4	D	✔

Q.38

The integrating factor of the differential equation

$$\left(y+\frac{y^3}{3}+\frac{x^2}{2}\right)dx+\frac{1}{4}(x+xy^2)\,dy=0 \text{ is}$$

(A) e^{x^3}

(B) $-x^3$

(C) x^3

(D) e^{-x^3}

Marks 1

Question ID: 2843

No	Options Details	Correct Option
1	A	
2	B	
3	C	✔
4	D	

Q.39 What is the percentage of decrease in an interval containing root after iteration is applied by Bisection Method?

Marks 1

Question ID: 2844

No	Options Details	Correct Option
1	20%	
2	30%	
3	40%	
4	50%	✔

Q.40 The algorithm provided to find the roots of the function using Bisection Method is given by

Marks 1

Question ID: 2845

No	Options Details	Correct Option
1	Bolzano's theorem	✔
2	Mean value theorem	
3	Bisection theorem	
4	Secant theorem	

Q.41 .

The sum of squares of the distance of a moving point from two fixed points $(a, 0)$ and $(-a, 0)$ is equal to $2c^2$ then the equation of its locus is

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

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

(C) $x^2 + y^2 = c^2 = a^2$

(D) $x^2 + y^2 = c^2 + a^2$

Marks	1	Question ID: 2846

No	Options Details	Correct Option
1	A	
2	B	
3	C	✔
4	D	

Q.42 .

What can be said, if a line has zero slope.

(A) θ is an acute angle

(B) θ is an obtuse angle

(C) Either the line is x-axis or it is parallel to the x-axis

(D) None of these

Marks	1	Question ID: 2847

No	Options Details	Correct Option
1	A	
2	B	
3	C	✔
4	D	

Q.43

Two cards are drawn from a well shuffled deck of 42 playing cards with replacement. The probability, that both cards are queens, is

(A) $\dfrac{1}{13} \times \dfrac{1}{13}$

(B) $\dfrac{1}{13} + \dfrac{1}{13}$

(C) $\dfrac{1}{13} \times \dfrac{1}{17}$

(D) $\dfrac{1}{13} \times \dfrac{1}{4}$

Marks 1

Question ID: 2848

No	Options Details	Correct Option
1	A	✔
2	B	
3	C	
4	D	

Q.44

The probability distribution of a discrete random variable X is given below :

X	2	3	4	5
P (X)	5/k	7/k	9/k	11/k

The value of k is

(A) 8

(B) 16

(C) 32

(D) 48

Marks 1

Question ID: 2849

No	Options Details	Correct Option
1	A	
2	B	
3	C	✔
4	D	

Q.45 .

For the following probability distribution

X	1	2	3	4
P (X)	1/10	1/5	3/10	2/5

$E(X^2)$ is equal to

(A) 3

(B) 5

(C) 7

(D) 10

Marks   1

Question ID: 2850

No	Options Details	Correct Option
1	A	
2	B	
3	C	
4	D	✔

Q.46 .

Let A, B, C be three mutually exclusive and exhaust events associated with a random experiment. If $P(B) = 1.5\, P(A)$ and $P(C) = 0.5\, P(B)$, then $P(A)$ is

(A) $\dfrac{3}{4}$

(B) $\dfrac{4}{13}$

(C) $\dfrac{2}{3}$

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

Marks   1

Question ID: 2851

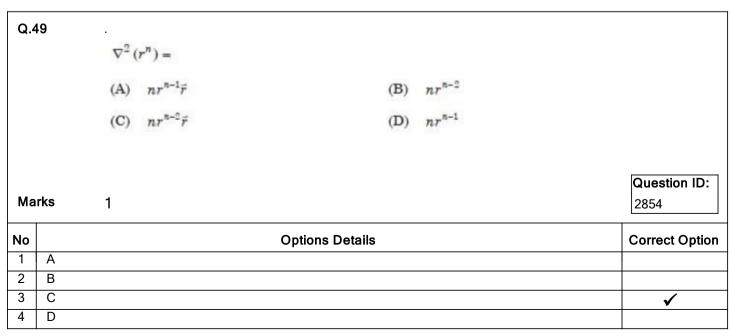| No	Options Details	Correct Option
1	A	
2	B	✔
3	C	
4	D	

Q.47

If A and B vectors such that $A = t^2 i - tj + (2t+1)k$, $B = (2t-3)i + j - tk$ then $A \times B'$ at $t = 1$ is

(A) $i - 7j + 2k$

(B) $i + 7j + 2k$

(C) $-i + k$

(D) $6i + 7j + 2k$

Marks 1

Question ID: 2852

No	Options Details	Correct Option
1	A	
2	B	✔
3	C	
4	D	

Q.48

If $\vec{r} = t^2 i - tj + (2t+1)k$ then $\left| \dfrac{d^2 \vec{r}}{dt^2} \right|$ at $t = 0$ is

(A) 2

(B) $\sqrt{5}$

(C) 1

(D) 0

Marks 1

Question ID: 2853

No	Options Details	Correct Option
1	A	✔
2	B	
3	C	
4	D	

Q.49

$\nabla^2 (r^n) =$

(A) $nr^{n-1}\vec{r}$

(B) nr^{n-2}

(C) $nr^{n-2}\vec{r}$

(D) nr^{n-1}

Marks 1

Question ID: 2854

No	Options Details	Correct Option
1	A	
2	B	
3	C	✔
4	D	

Q.50 .

If $f = xy^2 i + 2x^2 yz j - 3yz^2 k$ then $div\ f$ at $(1, -1, 1)$ is

(A) 3   (B) 6

(C) 9   (D) 0

Marks	1	Question ID: 2855

No	Options Details	Correct Option
1	A	
2	B	
3	C	✔
4	D	

Q.51 What are the tabs that appear at the bottom of each workbook called?

Marks	1	Question ID: 2856

No	Options Details	Correct Option
1	Reference tabs	
2	Position tabs	
3	Location tabs	
4	Sheet tabs	✔

Q.52 When you insert an Excel file into a Word document, the data are

Marks	1	Question ID: 2857

No	Options Details	Correct Option
1	Hyperlinked	
2	Placed in a word table	✔
3	Linked	
4	Embedded	

Q.53	You can use the formula pallette to	
Marks	1	Question ID: 2858

No	Options Details	Correct Option
1	format cells containing numbers	
2	create and edit formula containing functions	✔
3	enter assumptions data	
4	copy a range of cells	

Q.54	Tab scroll buttons are place on Excel screen	
Marks	1	Question ID: 2859

No	Options Details	Correct Option
1	towards the bottom right corner	
2	towards the bottom left corner	✔
3	towards the top right corner	
4	towards the top left corner	

Q.55	Each excel file is a workbook that contains different sheets. Which of the following can not be a sheet in workbook?	
Marks	1	Question ID: 2860

No	Options Details	Correct Option
1	Work sheet	
2	Chart Sheet	
3	Module sheet	
4	Data sheet	✔

Q.56	How can you update the values of formula cells if Auto Calculate mode of Excel is disabled?	
Marks	1	Question ID: 2861

No	Options Details	Correct Option
1	F8	
2	F9	✔
3	F10	
4	F11	

Q.57	By default Excel provides 3 worksheets. You need only two of them, how will you delete the third one?	

Marks 1

Question ID: 2862

No	Options Details	Correct Option
1	Right click on Sheet Tab of third sheet and choose Delete from the context menu	✔
2	Click on Sheet 3 and from Edit menu choose Delete	
3	Both of above	
4	None of above	

Q.58	What is the short cut key to replace a data with another in sheet?

Marks 1

Question ID: 2863

No	Options Details	Correct Option
1	Ctrl + R	
2	Ctrl + Shift + R	
3	Ctrl + H	✔
4	Ctrl + F	

Q.59	Which of the following do you use to change margins?

Marks 1

Question ID: 2864

No	Options Details	Correct Option
1	Formatting toolbar	
2	Page setup dialog box	✔
3	Standard toolbar	
4	Paragraph dialog box	

Q.60

Which of the following helps to reduce spelling error in the document?

Marks 1

Question ID: 2865

No	Options Details	Correct Option
1	Auto Format	
2	Auto Correct	✔
3	Smart Tags	
4	Auto Text	

Q.61

Miss World (2019) is

Marks 1

Question ID: 2866

No	Options Details	Correct Option
1	Zozibim Tunzig	
2	Anitha Kaur	
3	Harris Joe Lina	
4	Toni-Ann Singh	✔

Q.62

"The Road Ahead" was written by

Marks 1

Question ID: 2867

No	Options Details	Correct Option
1	Sundar Pichai	
2	A P J Abdul Kalam	
3	Bill Gates	✔
4	Sudha Narayana Murthy	

Q.63	National Sport of USA is	
Marks	1	**Question ID:** 2868

No	Options Details	Correct Option
1	Basket Ball	
2	Soccer	
3	Base Ball	✔
4	Cricket	

Q.64	Who is the Governor of Andhra Pradesh?	
Marks	1	**Question ID:** 2869

No	Options Details	Correct Option
1	Tamilisai Soundararajan	
2	Biswabhusan Harichandan	✔
3	Vidya Sagar	
4	Vijubhaivala	

Q.65	First state in India that came into existence on linguistic basis	
Marks	1	**Question ID:** 2870

No	Options Details	Correct Option
1	Andhra Pradesh	✔
2	Karnataka	
3	Gujarat	
4	Goa	

Q.66	National Institute of Rural Development is located in	
Marks	1	**Question ID:** 2871

No	Options Details	Correct Option
1	Simla	
2	Hyderabad	✔
3	Patna	
4	New Delhi	

Q.67

As per Brexit Agreement 2020, which country got separated from European Union.

Marks 1

Question ID: 2872

No	Options Details	Correct Option
1	Britain	✔
2	Spain	
3	Italy	
4	Belgium	

Q.68

World Ozone Day is celebrated on

Marks 1

Question ID: 2873

No	Options Details	Correct Option
1	September 16	✔
2	October 14	
3	November 15	
4	December 12	

Q.69

Engineer's Day is celebrated on

Marks 1

Question ID: 2874

No	Options Details	Correct Option
1	June 14	
2	July 20	
3	August 21	
4	September 15	✔

Q.70

Simon Remo Award was given to

Marks 1

Question ID: 2875

No	Options Details	Correct Option
1	Dr. K. Radha Krishna	
2	Dr. K. Sivan	✔
3	Dr. K. Vidyamath	
4	Dr. M. Aravind	

Q.71 .

Select the appropriate verb form to fill the blank in the given sentence.

The accident took place when she ——————— the road.

(A) Had crossed   (B) Crossed

(C) Is crossing   (D) Was crossing

Marks   1

Question ID:
2876

No	Options Details		Correct Option
1	A		
2	B		
3	C		
4	D		✔

Q.72 .

Select the appropriate preposition to fill the blank in the given sentence.

The old lady was sitting ——————— an armchair.

(A) On   (B) In

(C) Above   (D) With

Marks   1

Question ID:
2877

No	Options Details		Correct Option
1	A		
2	B		✔
3	C		
4	D		

Q.73

Select the word from the given options that best describes the same meaning as the given word

PARSIMONIOUS

(A) Cruel   (B) Haughty

(C) Prodigal   (D) Miserly

Marks   1

No		Options Details	Correct Option
1	A		
2	B		
3	C		✔
4	D		

Q.74

Select the word from the given options that best describes the meaning opposite to the given word.

BRASH

(A) Polite   (B) Handsome

(C) Arrogant   (D) Kind

Marks   1

No		Options Details	Correct Option
1	A		✔
2	B		
3	C		
4	D		

Q.75 .

Select the sentence from the given options that best describes the meaning of the given sentence.

Open the window.

(A)   The window open

(B)   Let the window open

(C)   The window is opened

(D)   Let the window be opened

Marks   1

Question ID: 2880

No		Options Details	Correct Option
1	A		
2	B		
3	C		
4	D		✔

Q.76 .

Select the option that best describes the meaning of the given Idiom/ Phrase

Nip in the bud

(A)   The opening of the bud

(B)   Stop something at an early stage

(C)   Remove a bud

(D)   Taking a work without delay

Marks   1

Question ID: 2881

No		Options Details	Correct Option
1	A		
2	B		✔
3	C		
4	D		

Q.77 .

Select the option that best describes the meaning of the given Idiom/ Phrase

Man of letters

(A) A scholar

(B) A postman

(C) A man who helps in writing letters

(D) A book of letters

Marks   1

Question ID: 2882

No		Options Details	Correct Option
1	A		✔
2	B		
3	C		
4	D		

Q.78 .

Select the sentence from the given options that best describes the meaning of the given sentence.

No other girl in the class is so clever as Radha.

(A) Radha is not cleverer than most other girls in the class

(B) Very few girls in the class are as clever as Radha

(C) Radha is the cleverest girl in the class

(D) Radha is not cleverer girl in the class

Marks   1

Question ID: 2883

No		Options Details	Correct Option
1	A		
2	B		
3	C		✔
4	D		

Q.79 .

Select the right way of reporting the given sentence.

She said, "Where have you gone?"

(A) She said where have I gone

(B) She asked where have you gone

(C) She asked me where have I gone

(D) She asked me where I had gone

Marks 1

Question ID: 2884

No	Options Details	Correct Option
1	A	
2	B	
3	C	
4	D	✔

Q.80   .

Given below are sentences with numbers. But they are jumbled. By using all the sentences you can frame a meaningful paragraph. The correct order of the sentences is your answer. Select from the alternatives that has the correct sentence order.

I.   He persisted.

II.   He chanted banalities of war time prices

III.   A neighbor declared that you could not think of buying any article made of iron till after the war

IV.   In one voice, they ordered him to manage with the available things and learn not to make demands

V.   They began to speculate how much it would cost to buy a grass-cutter?

(A) II, IV, I, III, V

(B) IV, I, V, III, II

(C) IV, V, III, I, II

(D) I, III, IV, II, V

Marks	1		Question ID: 2885

No	Options Details	Correct Option
1	A	
2	B	✓
3	C	
4	D	

Q.81

The cost of 16 packets of salt each weight 900 grams is Rs. 28. What will be the cost of 27 packets, if each packet weight is 1 kg

Marks	1		Question ID: 2886

No	Options Details	Correct Option
1	52.5	✓
2	56	
3	58.5	
4	64.75	

Q.82   The smallest number of five digits exactly divisible by 476 is

Marks   1

Question ID: 2887

No	Options Details	Correct Option
1	10,000	
2	10472	✔
3	10476	
4	47600	

Q.83   .

$0.002 \times 0.5 = ?$

(A) 0.0001   (B) 0.001

(C) 0.01   (D) 0.1

Marks   1

Question ID: 2888

No	Options Details	Correct Option
1	A	
2	B	✔
3	C	
4	D	

Q.84   .

$3 \times 0.3 \times 0.03 \times 0.003 \times 30 = ?$

(A) 0.0000243   (B) 0.000243

(C) 0.00243   (D) 0.0243

Marks   1

Question ID: 2889

No	Options Details	Correct Option
1	A	
2	B	
3	C	✔
4	D	

Q.85 If one third of one - fourth of numbers is 15, then three - tenth of that number is

Marks 1

No	Options Details	Correct Option
1	35	
2	36	
3	45	
4	54	✔

Q.86 The total of the ages of Jayauth, prem and saraush is 93 years. Ten years ago, the ratio was 2:3:4. What is the present age of saraush?

Marks 1

No	Options Details	Correct Option
1	24 years	
2	32 years	✔
3	34 years	
4	37 years	

Q.87 The sum of two numbers is 40 and their difference is 4. The ratio of the numbers is

Marks 1

No	Options Details	Correct Option
1	11:9	✔
2	11:18	
3	21:19	
4	22:9	

Q.88 The Product of two numbers is 45 and the sum of squares is 106. The numbers are

Marks 1

Question ID: 2893

No	Options Details	Correct Option
1	3 and 5	
2	5 and 9	✔
3	5 and 19	
4	45 and 1	

Q.89 What is the sum of two consecutive even numbers, the difference of whose squares is 84?

Marks 1

Question ID: 2894

No	Options Details	Correct Option
1	34	
2	38	
3	42	✔
4	46	

Q.90 The sum of three consecutive numbers is 87. The greatest among these three number

Marks 1

Question ID: 2895

No	Options Details	Correct Option
1	26	
2	28	
3	29	
4	30	✔

Q.91 Pen – write, Brush – Teeth; Spade-?

Marks 1

Question ID: 2896

No	Options Details	Correct Option
1	Cut	
2	Dig	✔
3	Wood	
4	Iron	

Q.92   Draw - Board, Write-paper, Walk -?

Marks   1

Question ID: 2897

No	Options Details	Correct Option
1	Ground	✔
2	Foot	
3	Stick	
4	Food	

Q.93   Cat- KItten; Goat – kid; Sheep -?

Marks   1

Question ID: 2898

No	Options Details	Correct Option
1	Raven	
2	Colt	
3	Lamb	✔
4	Filly	

Q.94   Bathroom - Sink; House - Kitchen; Cloister - ?

Marks   1

Question ID: 2899

No	Options Details	Correct Option
1	Monk	
2	Statue	✔
3	Gate-keeper	
4	Pray	

Q.95

How many small cubes of 1.5 cm side can be formed from a cube of 6 cm side?

Marks   1

Question ID: 2900

No	Options Details	Correct Option
1	64	✔
2	16	
3	8	
4	9	

Q.96

A girl is introduced a boy as the son of the daughter of the father of her uncle, the boy is the girl's.

Marks   1

Question ID: 2901

No	Options Details	Correct Option
1	Nephew	
2	Uncle	
3	Brother	✔
4	Son-in-law	

Q.97

Pointing to a gentleman, Deepak said, His only brother is the father of my daughter's father. How is the gentleman related to Deepak?

Marks   1

Question ID: 2902

No	Options Details	Correct Option
1	Father	
2	Grand Father	
3	Uncle	
4	Brother-in-law	✔

Q.98

If the words Matured, Youth, Teens, Child hood and Infancy are arranged in their natural ascending order, which word occur in Fourth place.

Marks 1

Question ID: 2903

No	Options Details	Correct Option
1	Teens	
2	Youth	✔
3	Matured	
4	Childhood	

Q.99

.

Arrange the following words in a meaning full order:

1. Sing 2. Think 3. Appreciation 4. Compose 5. Money

(A) 31425   (B) 42315

(C) 45132   (D) 24135

Marks 1

Question ID: 2904

No	Options Details	Correct Option
1	A	
2	B	
3	C	
4	D	✔

Q.100

15, 22, 29, 36, ? 50 57.

Marks 1

Question ID: 2905

No	Options Details	Correct Option
1	43	✔
2	42	
3	40	
4	44	