

I. Choose the correct answer: 7x1=7

1. Who was arrested during the anti-Rowlatt protests in Amritsar?
a) Motilal Nehru b) Saifuddin Kitchlew
c) Mohamed Ali d) None of the above
2. Which Act introduced provincial Autonomy?
a) 1858 Act b) Indian Councils Act 1909
c) Government of India Act, 1919 d) Government of India Act, 1935
3. Who defeated Pattabhi Sitaramaya, Gandhi's candidate, and became the president of Congress in 1939?
a) Rajendra Prasad b) Jawaharlal Nehru
c) Subhas Chandra Bose d) Maulana Abulkalam Azad
4. The first Round Table conference was held at London in _____.
a) 1930 b) 1931 c) 1932 d) 1933
5. The Indian constitution gives to its citizens.
a) Double Citizenship b) Single Citizenship
c) Single Citizenship in some states and double in others
d) None of the above
6. Human Development Report of the world is prepared and released by
a) UNDP b) UNEP c) IBRD d) ADB
7. Tamil Nadu leads in the poverty Alleviation programmes during
a) 2000-2003 b) 2003-2007 c) 2007-2010 d) 2014-2017

II. Fill in the blanks: 5x1=5

8. _____ established congress radio underground during the Quit India Movement.
9. The Civil Disobedience Movement in North West Frontier province was led by _____.
10. After the salt Satyagraha Gandhi, was arrested and sent to _____ Jail.
11. Fundamental duties have been given to the citizen of India under Article _____.
12. _____ is the value of currency expressed in terms of the amount of goods and services that one unit of money can buy.

III. Match the following: 5x1=5

- | | | |
|--------------------------------|---|------------------|
| 13. Rowlatt Act | - | M.N Roy |
| 14. Communist Party of India | - | 1955 |
| 15. Public Distribution System | - | 2013 |
| 16. National Food Security Act | - | Black Act |
| 17. Citizenship Act | - | Subsidized rates |

IV. Answer any two of the captions: 2x4=8

18. Constructive programme of Gandhi
a) What is constructive programme?
b) What did Gandhi exhort the congressmen to do?
c) How did Gandhi try to bring about Hindu Muslim unity?
d) What is the contribution of Gandhi towards abolition of untouchability?
19. Khilafat Movement:
a) When did the First world war come to an end?
b) Who was the head of Muslims all over the world?
c) By whom was Khilafat movement started?
d) Why did Gandhi support the Khilafat movement?
20. Simon Commission:
a) How many members were there in the Simon Commission?
b) Why was Simon Commission boycotted?
c) Why were the Indians angered or why was it an insult to the Indians?
d) How was Simon Commission greeted?

V. Answer any six of the following in brief: 6x2=12

21. Describe the Jallianwala Bagh Massacre.
22. What was the conflict between Swarajists and No-changers?
23. What are the terms of the Poona Pact?
24. By whom was the congress socialist party formed?
25. What is a writ?
26. List out the three heads of the relations between the centre and the states.
27. What is the role of FCI in Green Revolution?
28. Write a note on Differential Universal PDS and Targeted PDS.
29. Write three names of the nutrition programmes in Tamil Nadu.

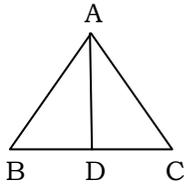
VI. Answer any two in detail: 2x4=8

30. Discuss the reasons behind the partition of India.
31. Examine the factors that led to the transformation of Gandhi into a mass leader.
32. Mention the differences between Fundamental Rights and Directive principles of state policy.
33. Discuss about the Multi-dimensional poverty Index India and Tamil Nadu.

VI. Draw a Time Line: 5x1=5

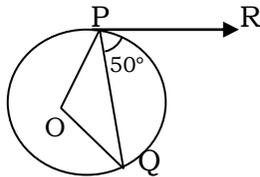
34. Write any five important events between 1920 to 1940

I. Choose the correct answer: 10x1=10
 1. In the adjacent figure, $\angle BAC=90^\circ$ and $AD \perp BC$ then



- a) $BD \cdot CD = BC^2$ b) $AB \cdot AC = BC^2$ c) $BD \cdot CD = AD^2$ d) $AB \cdot AC = AD^2$

2. If PR is a tangent to the circle at P and O is the centre of the circle then $\angle POQ$ is _____.



- a) 120° b) 100° c) 110° d) 90°

3. If ΔABC is an isosceles triangle with $\angle C=90^\circ$ and $AC=5\text{cm}$, then AB is _____.
 a) 2.5cm b) 5cm c) 10cm d) $5\sqrt{2}$ cm
4. A frustum of a right circular cone is of height 16cm with radii of its ends as 8cm and 20cm. Then the volume of the frustum is _____.
 a) $3328\pi\text{cm}^3$ b) $3228\pi\text{cm}^3$ c) $3240\pi\text{cm}^3$ d) $3340\pi\text{cm}^3$
5. If the radius of the base of a cone is tripled and the height is doubled then the volume is _____.
 a) made 6 times b) made 18 times
 c) made 12 times d) made 15 times
6. The volume (incm^3) of the greatest sphere that can be cut off from the cylindrical log of wood of base radius 1cm and height 5cm is _____.
 a) $\frac{4}{3}\pi$ b) $\frac{10}{3}\pi$ c) 5π d) $\frac{20}{3}\pi$
7. The C.S.A of a right circular cylinder of radius 1cm and height 1cm its _____.
 a) πcm^2 b) $2\pi\text{cm}^2$ c) $3\pi\text{cm}^2$ d) 2cm^2
8. If surface area of a sphere is $100\pi\text{cm}^2$ then its radius is _____.
 a) 25cm b) 100cm c) 5cm d) 10cm
9. If the radius of the sphere is 2cm then the CSA of a sphere is equal to _____.
 a) $8\pi\text{cm}^2$ b) $16\pi\text{cm}^2$ c) $12\pi\text{cm}^2$ d) 16cm^2
10. The height of the right circular cone whose radius is 5cm and slant height is 13cm will be _____.
 a) 12cm b) 10cm c) 13cm d) 5cm

II. Answer any six of the following: 6x2=12

11. a) The difference between the C.S.A and T.S.A of a cone is _____.
 b) The centre of the great circle is at the _____ of the sphere.
12. If the ratio of the radii of two spheres is 4:7, then find the ratio of their volumes.
13. Find the maximum volume of cone that can be carved out of a solid hemisphere of radius 'r' units.
14. The number of solid sphere each of radius 3cm that can be made by melting a solid metal cylinder. If the height is 45cm and the diameter 4cm is _____.
15. a) The relationship between height and radius of the hemisphere is _____.
 b) The volume of a sphere is the product of its surface area and _____.
16. If circumference of the conical wooden piece is 484cm then find its radius when its height is 105cm.
17. Check whether AD is the bisector of A of ΔABC if $AB=4\text{cm}$, $AC=6\text{cm}$, $BD=1.6\text{cm}$ and $CD=2.4\text{cm}$.
18. In ΔABC , D and E are the points on the side AB and AC respectively, such that $DE \parallel BC$. If $\frac{AD}{DB} = \frac{3}{4}$ and $AC=15\text{cm}$. Find AE.

III. Answer any six of the following: 4x5=20

19. ABCD is a quadrilateral in which $AB=AD$, the bisector of $\angle BAC$ and $\angle CAD$ intersects the circles BC and CD at the points E and F respectively. Prove that $EF \parallel BD$.
20. A right circular cylindrical container of base radius 6cm and height 15cm is full of ice cream. The ice cream is to be filled in cones of height 9cm and base radius 3cm having a hemispherical cap. Find the number of cones needed to empty the container.
21. If the C.S.A of a solid hemisphere is 2772sq.cm then find its T.S.A
22. A right circular cylinder just enclose a sphere of radius 'r' units. Calculate.
 i) the surface area of the sphere.
 ii) the curved surface area of the cylinder
 iii) the ratio of the areas obtained in (i) and (ii)
23. A vessel is in the form of a hemispherical bowl mounted by a hollow cylinder. The diameter is 14cm and the height of the vessel is 13cm. Find the capacity of the vessel.
24. State and prove Angle Bisector theorem.
- IV. Answer the following: 1x8=8
25. Construct a ΔPQR in which $QR=5\text{cm}$, $\angle P=40^\circ$ and the median PG from P to QR is 4.4cm. Find the length of the altitude from P to QR.

I. Choose the correct answer: 6x1=6

1. Which of the following is correct?
 - a) Rate of change of charge is electrical power.
 - b) Rate of change of charge is current.
 - c) Rate of change of energy is current
 - d) Rate of change of current is charge
2. The ratio of the potential difference to the current is known as _____.
 - a) Resistance
 - b) Conductance
 - c) Voltage
 - d) Power
3. The frequency which is audible to the human ear is _____.
 - a) 50 KHz
 - b) 20 KHz
 - c) 1500 KHz
 - d) 10000KHz
4. _____ is the value of speed of sound in iron.
 - a) 1324ms^{-1}
 - b) 331ms^{-1}
 - c) 5950ms^{-1}
 - d) 2324ms^{-1}
5. Rapid back and forth motion of a particle about its mean position is called _____.
 - a) vibration
 - b) longitudinal wave
 - c) oscillation
 - d) all the above
6. In a domestic household circuit, how many circuits are used?
 - a) 4
 - b) 3
 - c) 2
 - d) 1

II. Answer any five in short: 5x2=10

7. Define electric power.
8. The work done in moving a charge of 10C across two points in a circuit is 100J. What is the potential difference between the points?
9. Why is tungsten metal used in bulbs, but not in fuse wires?
10. Mention two cases in which there is no Doppler effect in sound.
11. Match the following:

a) Infrasonic	-	Compressions
b) Echo	-	22KHz
c) Ultrasonic	-	10Hz
d) High Pressure region-		ultrasonography

12. What is stage?

13. Define horse power.

III. Answer any five in brief: 5x4=20

14. What connection is used in domestic appliances and why?

15. The resistance of a wire of length 10m is 2 ohm. If the area of cross section of the wire is $2 \times 10^{-7}\text{m}^2$, determine its
i) resistivity ii) conductance

16. How many electrons are passing per second in a circuit in which there is a current of 5A?

17. What is meant by rarer and denser medium?

18. A source producing a sound of frequency 90Hz is approaching a stationary listener with a speed equal to $(\frac{1}{10})$ of the speed of sound. What will be the frequency heard by the listener?

19. What is Doppler effect?

20. State four uses of ultrasonic vibrations.

IV. Answer any two of the following in detail: 2x7=14

21. What is meant by reflection of sound?

Explain: a) reflection at the boundary of a rarer medium.
b) reflection at curved surfaces.

22. a) Three resistors of resistances 5 ohm, 3 ohm and 2 ohm are connected in series with 10V battery. Calculate their effective resistance and the current flowing through the circuit.

b) A torch bulb is rated at 3V and 600 mA. Calculate it's
a) power b) resistance
c) energy consumed if it is used for 4 hour.

23. A source of sound is moving with a velocity of 50ms^{-1} towards a stationary listener. The listener measures the frequency of the source as 1000 Hz. What will be the apparent frequency of the source when it is moving away from the listener after crossing him? (velocity of sound in the medium is 330ms^{-1})

I. Choose the most appropriate synonym of the underlined word:

1. Women's accomplishments are tremendous in many fields.
a) awful b) enormous c) feeble d) marginal
2. The floor was strewn with twigs and straw.
a) spattered b) passed over c) imposed d) emptied

II. Choose the most appropriate antonym of the underlined word:

3. We kept posting pictures of delicacies like golgappas and cakes.
a) softness b) beauties c) eyesore d) elegance
4. I left our ancestral house, twenty-nine years ago.
a) traditional b) familial c) non-inheritance d) hereditary
5. Fill in the blanks with sub-ordinating conjunction (in spite of, on the event of, due to)

We played the match _____ the drizzle.

III. Spot the error in the following sentences:

6. I told him I can come.
7. I am absent yesterday.

IV. Do as Directed:

8. Which of the words given below can be placed after 'fast' to form a compound word?
a) mark b) port c) good d) food
9. Add a prefix to the word national to complete the sentence:
An _____ national conference is to be held next year.
a) Co b) Sub c) Inter d) Hyper

10. Attach a suffix to the underlined word to complete the sentence:

It is an exception _____ case.

- a) ment b) al c) ance d) ful

11. Fill in the blanks with suitable phrasal verb.

I don't _____ weight easily.

- a) build up b) put on c) keep up

12. Identify the clause and classify it accordingly.

My brother visits my father whenever he comes to Chennai.

13. Identify the phrase and classify it accordingly.

The girl in blue saree is my sister.

Part - II (12 marks)

V. Answer any three of the following questions: 3x2=6

14. Who were Aditya's ancestors?
15. Where does Sasanka stay?
16. Why did Aditya decide to visit his ancestral home?
17. What sort of training did the crew undergo before their expedition?
18. How long were they trained to undertake this voyage?

VI. Read the lines and answer the following questions: 2x2=4

19. She's a lionless; don't mess with her
She'll not spare you if you're a prankster.

- a) Pick out the line that has a metaphor in it.
- b) What is meant by 'mess with'?

20. "Not I!

My heart was so light

That I sang day and night

For all nature looked gay

“You sang, sir, you say?”

a) Pick out the rhyming words in the above line.

b) Who does ‘I’ refer to?

VII. Rearrange the words in the correct order to make meaningful sentences: 2x1=2

21. your/today/put on/new/since/is/birthday/dress/the

22. Teaches/not/English/Science/but/Jaya/also/only

Part - III

VIII. Answer any four of the following questions (Q.No.28 is compulsory) 4x5=20

23. Highlight the theme of the poem ‘The Ant and the Cricket’.

24. Aditya had undergone a change and determined to return the silver medal to Mr. Sanyal’ What made him to do so?

25. Prepare an advertisement using the hints given below:
Adonasi academy - admission open - Carnatic vocal, - Veena
- Violin - Guitar - Keyboard Classes - drawing and art
classes - Contact - no: Duration of course - fees

26. Sherin/Suhail wanted to write a letter to her friend Riya/Reehan to ask her/him if she/he could spend her/his pongal holidays with her/him. She/He had started the letter but had not completed. Help Sherin/Suhail to complete the letter in about 100 words.

27. You are a secretary in Resident Welfare Society, Sundar Nagar, Chennai. Draft a notice, which could be sent to all the members of the society to discuss the frequent power cuts and water supply and the ways how to overcome from this situation.

You are Blessy/Blesson.

28. Write the second stanza of the poem

‘I am Every Woman’.

(The summer no fear!)

Part - IV

1x5=5

29. Write a paragraph using the following outlines in about 100 words:

Chinese emperor - one member - family - join - army -
Mulan - teen girl trained in Kung fu - joins - disguise -
boy - wins battles - General - Sick - doctor - reveals identify -
emperor forgives - reunites family - six horses and swords.

I. Choose the correct answer: 7x1=7

- Gandhi was introduced to the works of _____.
a) Allaho Akbar b) Smats and Gandhi
c) Saifuddin Kitchlew and Satyapal d) Tolstoy and John Ruskin
- The Khilafat Committee meeting in Allahabad was held on _____.
a) 14 April 1922 b) 13 June 1930
c) 9 June 1920 d) 5 May 1925
- _____ united the different political parties in India.
a) Simon boycott b) Nehru report
c) Jinnah boycott d) Hindu - Muslim unity
- The concept of _____ has continuously evolved over the last five decades.
a) food security b) food production c) food supply d) food grains
- The _____ had built huge storage godowns and built buffer stocks.
a) HCI b) ICI c) MSP d) PDS
- Dr. B.R Ambedkar described these principles as _____ of the Indian constitution.
a) Habeas Corpus b) Novel features c) Certiorari d) Novel features
- The president under _____ can declare emergency.
a) Articles 360 b) Articles 357 c) Articles 352 d) Articles 15

II. Fill in the blanks: 5x1=5

- Rights against exploitation is about prohibition of _____ in human being.
- On returning to _____ Gandhi's attempt to practice in Bombay failed.
- On his journey from _____ to Pretoria, at the Pietermaritzburg railway station he was physically thrown out the first class compartment.
- _____ of food is the ability to biologically utilise the food consumed.
- Tamil Nadu leads in the poverty alleviation programmes during _____.

III. Match the following: 5x1=5

- | | | |
|---------------------------------|---|---------------------|
| 1. Kerala | - | Dyarchy |
| 2. Non-Cooperation movement | - | 1955 |
| 3. Government of India act 1919 | - | Surrender of titles |
| 4. Citizenship act | - | 1962 |
| 5. National Emergency | - | Least poor region |

IV. Answer the following captions: 2x4=8

1. Simon Commission:

- How many members were there in the Simon Commission?
 - Why was Simon Commission boycotted?
 - Why were the Indians angered or why was it an insult to the Indians?
 - How was Simon Commission greeted?
2. Subhas Chandra Bose and INA
- How did Subhas Chandra Bose reach Japan?
 - Who headed the women wing of Indian National Army?
 - How did Subhas Chandra Bose reorganize the INA?
 - Name the Slogan provided by Subhas Chandra Bose.

V. Answer any six of the following: 6x2=12

- What is Poorna Swaraj?
- Write a note on Bhagat Singh.
- Explain "Ship to Mouth" phenomenon.
- What are the main reasons for the new Agricultural policy?
- How many types of fundamental rights are listed by the Indian Constitution?
- Write a note on the Khilafat Movement.
- Write a note on Differential Universal PDS and targeted PDS?
- List out the three heads of the relations between the centre and the states.
- Write a short note on state emergency (Act 356).

VI. Answer any two of the following in detail: 2x4=8

- Mention the differences between fundamental rights and directive principles of state policy.
- Write briefly some of the important objectives of India's agricultural policy.
- Critically examine the civil disobedience movement as the typical example of Gandhian movement.
- Briefly explain the nutritional and health status of Tamil Nadu.

VII. Draw a Time Line: (5)

- Write any five important events between 1930-1950

I. பலவுள் தெரிக: 7x1=7

1. தமிழ் கடலோடு ஒத்திருத்தலை இரட்டுற மொழிந்தவர் _____.
அ) பாரதியார் ஆ) தமிழகனார் இ) கம்பர் ஈ) பாரதிதாசன்
2. தமிழன்னைக்கு அணிகலன்களாக அமைந்தவை _____.
அ) ஐம்பெருங்காப்பியங்கள் ஆ) சிற்றிலக்கியம்
இ) ஐஞ்சிறுங்காப்பியம் ஈ) சங்க இலக்கியம்
3. விழிகளை இழக்க நேரிட்டால் கூட தாய்த் தமிழினை இழந்து விடக் கூடாது என்று எண்ணியவர் _____.
அ) திருவள்ளுவர் ஆ) கபிலர்
இ) இளங்குமரனார் ஈ) பாவாணர்
4. செய்யுளியை அளபெடையின் மறுபெயர் _____.
அ) இன்னியை அளபெடை ஆ) சொல்லியை அளபெடை
இ) உயிரளபெடை ஈ) இசைநிறை அளபெடை
5. 'பொன் ஏர் பூட்டுதல்' நிகழும் மாதம் _____.
அ) சித்திரைத் திங்கள் ஆ) வைகாசித் திங்கள்
இ) மார்ச்சுத் திங்கள் ஈ) தைத் திங்கள்
6. இரண்டாம் இராசராச சோழனின் அவைக்களப் புலவர் _____.
அ) புகழேந்தி ஆ) ஒட்டக்கூத்தர் இ) கம்பர் ஈ) பரணர்
7. சிலப்பதிகாரம் காட்டும் கைத்தொழில் வல்லுநர் _____.
அ) உணவு தயாரிப்பவர் ஆ) உப்பு விற்பவர்
இ) நெசவாளர் ஈ) பரதவர்

II. சுருக்கமான விடையளிக்க: 5x1=5

8. அழியா வண்ணம் - இலக்கணக் குறிப்பு தருக.
9. மதிலைச் சுற்றி வளைத்தல் எவ்வகை திணை.
10. நானிலம் - தொகைச் சொல்லை விரித்தெழுதுக.
11. நிறுத்தற்குறியிடுக.
* வரகு காடைக்கண்ணி குதிரைவாலி முதலிய சிறுகூலங்கள் தமிழ் நாட்டிலன்றி வேறெங்கும் விளைவதில்லை.

12. விடைக்கேற்ற வினா அமைக்க:

* தமிழில் சொல்லாய்வுக் கட்டுரைகளைப் பாவாணர் எழுதினார்.

III. கீழ்க்காணும் வினாக்களுள் எவையேனும் நான்கனுக்கு விடையளி: 4x2=8

13. மன்னும் சிலம்பே! மணிமே கலை வடிவே!
முன்னும் நினைவால் முடிதாழ வாழ்த்துவமே!
இவ்வடிகளில் இடம் பெற்றுள்ள காப்பியங்களைத் தவிர எஞ்சியுள்ள ஐம்பெருங்காப்பியங்களின் பெயர்களை யாவை?
14. தாவரத்தின் நுனிப் பகுதிகளைக் குறிக்கும் சொற்கள் யாவை?

15. இரட்டுற மொழிதல் என்றால் என்ன?

16. திசைபாலர் எண்மர் யாவர்?

17. உழவர் நண்பரை அழைத்துக் கூறுவது யாது?

18. மதில் போர் பற்றிய புறத்திணைகள் யாவை?

IV. கீழ்க்காணும் வினாக்களுள் எவையேனும் மூன்றனுக்கு விடையளி: 3x3=9

19. கெட்டுப்போன காய்க்கும் கனிக்கும் தமிழகத்தில் வழங்கப்படும் சொற்கள் எழுதுக?

20. தொழிற்பெயருக்கும், வினையாலணையும் பெயருக்கும் உள்ள வேறுபாடுகள் யாவை?

21. தெரிந்த - பகுபத உறுப்பிலக்கணம் தருக.

22. மருவூர்ப்பாக்கத் தெருக்களில் வணிகம் செய்தவர்கள் யாவர்?

23. தும்பைத்திணை, வாகைத் திணை விளக்குக?

V. கீழ்க்காணும் வினாக்களுள் எவையேனும் மூன்றனுக்கு விடையளி:

(25- வினாவிற்குக் கட்டாயமாக விடையளிக்கவும்)

3x5=15

24. 'முதல் மழை விழுந்ததும்' என்னவெல்லாம் நிகழ்வதாகக் கு.ப.ராஜகோபாலன் கவிபாடுகிறார்?

25. அன்னை மொழியே! எனத் தொடங்கும் பாடலை அடிபிறழாமல் எழுதுக.

26. ம.பொ.சியின் கல்வி அறிவு வளர்ச்சிக்கு அன்னை எவ்வாறு உதவினார்?

27. பாடலைப் படித்து வினாக்களுக்கு விடையளி:

முத்தமிழ் துய்ப்பதால் முச்சங்கம் கண்டதால்

மெத்த வணிகலமும் மேவலால் - நித்தம்

அணைகிடந்தே சங்கத் தவர்க்காக ஆழிக்கு

இணை கிடந்த தேதமிழ் ஈண்டு

வினாக்கள்:

அ) இப்பாடல் இடம் பெற்ற நூல் எது?

ஆ) இப்பாடலின் ஆசிரியர் யார்?

இ) முச்சங்கம் - தொகைச் சொல் எழுதுக.

ஈ) ஆழி - என்பதன் பொருள் கூறுக.

உ) இப்பாடலில் அமைந்துள்ள எதுகைச் சொற்களை எடுத்தெழுதுக.

VI. கீழ்க்காணும் வினாக்களுள் எவையேனும் ஒன்றனுக்கு விரிவான விடையளி: 1x6=6

28. மனோன்மணியம் சுந்தரனாரின் தமிழ்த்தாய் வாழ்த்துப் பாடலையும் பெருஞ்சித்திரனாரின் தமிழ் வாழ்த்தையும் ஒப்பிட்டு மேடைப் பேச்சு ஒன்றை உருவாக்குக.

29. தமிழக எல்லைகளை மீட்டெடுத்ததைப் பற்றிய கருத்துகளைத் தொகுத்தெழுதுக.

30. உரைநடையின் அணிநலன்கள் என்ற தலைப்பிலுள்ள துணைப்பாடத்தைச் சுருக்கி எழுதுக.