1. The six one pillars of scientific temper is ———

(A) Scientific Research

(B) Scientific Action

(C) Scientific Movement

(D) Scientific Attitude

(E) Answer not known

2. Which of the following petroleum product act as rust inhibitor additives?

(A) Alkyl nitrates

(B) Amino alkyl phosphates

(C) Zinc dithio phosphates

(D) Ethylene glycol

(E) Answer not known
3. Which of the following act as amphiprotic ions?

(A) $\text{H}_2\text{CO}_3$  
(B) $\text{S}^2-$  
(C) $\text{PO}_4^{3-}$  
(D) $\text{HS}^-$  
(E) Answer not known

4. Which of the following are correct?
The condition at which the amplifier behaves as an oscillator is

(i) Amplifier should have a positive feedback
(ii) $A\beta = 1$
(iii) $A\beta = 0$
(iv) Amplifier should have a negative feedback

(A) (i) and (ii) are correct  
(B) (i) and (iii) are correct  
(C) (ii) and (iv) are correct  
(D) (iii) and (iv) are correct  
(E) Answer not known
5. The colours exhibited in soap bubbles due to the ________ of light.
(A) Reflection
(B) Refraction
(C) Interference
(D) Diffraction
(E) Answer not known

6. Which among the following is known as “Terror of Bengal”?
(A) Algal Bloom
(B) Eichhornia Plant
(C) Increased BOD
(D) Eutrophication
(E) Answer not known
7. ______ is the dynamic process by which an organism maintains and controls its internal environment despite disturbances from external forces.

(A) Hemostasis

(B) Peristasis

(C) Homeostasis

(D) Peristalsis

(E) Answer not known

8. The excess quantities of _______ leads to cause of Breast Cancer in our body.

(A) Melatonin

(B) Diapause

(C) Serotonin

(D) Adrenin

(E) Answer not known
9. Which of the following statement is/are incorrect?

(i) Pyramids of energy shape is always upright.
(ii) Nilgiris bireserve covering Tamil Nadu, Kerala and Karnataka States.
(iii) Namdapha bireserve is located in Andhra Pradesh.
(iv) Nandadevi bireserve is located in Uttar Pradesh.

(A) (i) and (ii) only  
(B) (iii) only  
(C) (iv) only  
(D) (ii) and (iii) only  
(E) Answer not known

(i) நீரில் பெருந்துவையாய் தொடர்ந்த கல்லும்பை.
(ii) கன்னியாவார் சாலமன்ன துள்ளுமலை, கோயம், காக்கும் உயிரிய மாகிலவளில் பால் காணலாம்.
(iii) சுமார் விளிவான சாலமன்ன துள்ளுமலை பரிவாரம் பால் காணலாம்.
(iv) தீமர செந்தல் விளிவான சாலமன்ன துள்ளுமலை உயிரிய எல்லாசைந்தாம்.

(i) மழுமை (ii) மழுமை  
(iii) மழுமை  
(iv) மழுமை  
(ii) மழுமை (iii) மழுமை
10. 'Thinking out of box' is related to
   (i) Logical Thinking
   (ii) Creative Thinking
   (iii) Critical Thinking
   (iv) Analyzing Ability

   பாதுகாற்று மரபில் கருத்துக்களை செய்துள்ள ஓர் பணிச்செய்வாள்?
   (i) கருத்து மறைச்சத்துக்களை
   (ii) பணிப்பாளர்கள் கருத்துக்களை
   (iii) குறுகிய கருத்துக்களை
   (iv) பந்தூர்புகள் கருத்துக்களை

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

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

   (E) Answer not known

11. Ammonia is prepared by

   அம்மோனியா செய்யப்படும் வழிகள் என்பதோடு?

   (A) Solvay's process
   (B) Haber's process
   (C) Deacon process
   (D) Mulliken process

   (E) Answer not known
12. India’s first fertilizer plant was setup at
(A) Ballarpur
(B) Sindri
(C) Belagola
(D) Rajahmundry
(E) Answer not known

13. Kepler’s second law of planetary motion is also known as
(A) law of unequal velocity
(B) law of equal momentum
(C) law of equal area
(D) law of inertia
(E) Answer not known
14. **Assertion (A):** Light incident on a surface at a polarising angle 40° will have the same angle of incidence 40°.

**Reason (R):** Polarising angle is the angle of incidence for which the reflected light is completely plane polarised.

- **(A)** is true but (R) is false
- **(B)** (A) is False; (R) is True
- **(C)** Both (A) and (R) are true; and (R) is the correct explanation of (A)
- **(D)** Both (A) and (R) are False
- **(E)** Answer not known

15. The binary number 110000111101 corresponds to a hexadecimal number.

- **(A)** CFD₁₆
- **(B)** D₃C₁₆
- **(C)** DBF₁₆
- **(D)** C₃D₁₆
- **(E)** Answer not known
16. The first Old Stone Age tool was discovered at Pallavaram in Tamil Nadu by

(A) Robert Bruce Foote  
(B) Alexander Flemming

(C) Joseph Prestwich  
(D) Henry Geoghegan

(E) Answer not known

17. Where a large number of polished stone cults are found in Tamil Nadu.

(A) Paiyampalli  
(B) Pudukkottai

(C) Tirunelveli  
(D) Tiruvannamalai

(E) Answer not known

18. _______ travelled to Soviet Union and was admired by its speedy progress through five year plans and through the application of modern science and technologies.

(A) Singaravelu  
(B) Jeevanandand

(C) Pandit Jawaharlal Nehru  
(D) E.V. Ramaswamy

(E) Answer not known
19. Find the compound interest on Rs. 3,200 at 2.5% p.a. for 2 years, compounded annually
(A) Rs. 148 (B) Rs. 162
(C) Rs. 157 (D) Rs. 165
(E) Answer not known

20. What number will represent A in the following pattern?
2, 5, 11, 23, A
2, 5, 11, 23, A – என்று காண்போம் A என்று என்று என்று என்று என்று என்று?
(A) 43 (B) 45
(C) 47 (D) 49
(E) Answer not known
21. The Editor of Desabhaktan was

(A) V.O. Chidambaram  
(B) S. Satyamurthi

(C) Thiru Vi. Ka  
(D) Bharathiyar

(E) Answer not known

22. Dr. Muthulakshmi was the first woman legislator in India because of

(A) Minto Morley Reforms

(B) Montague Chelmsford Reforms

(C) Resolution of 1921

(D) Government of India Act of 1935

(E) Answer not known
23. ________ was a doctor who organised the underground activities and even operated a wireless station during Quit India Movement.

(A) Ammu Swaminathan
(B) Krishna Bai Nimbkar
(C) Devaki Ammal
(D) Manjubashini Subramaniam
(E) Answer not known

24. Vira Pandiya Kattabomman was the one who fought against the British, hanged to death at

(A) Kayattaru
(B) Nagalapuram
(C) Pudukottai
(D) Panchalankurichi
(E) Answer not known
25. Match the following and choose the correct answer from the codes given below:

(1) Neelakanda Brammachari (a) Ananda Vikadan
(2) G.A. Natesan (b) Suryodhyam
(3) R. Krishnamoorthy (c) Thinamani
(4) T.S. Chokalingam (d) Indian Review

(A) (a) (b) (c) (d)
(B) (b) (d) (a) (c)
(C) (b) (a) (d) (c)
(D) (b) (d) (c) (a)

(E) Answer not known

---

15  GENERAL STUDIES-3.5.2023
[Turn over
26. “Even weak ones mightily prevail, ————
—————, ———— offence”

What is the advice of Thiruvalluvar even a weak king to conquer his enemies?

(A) To a mass gold and money

(B) To find appropriate place and protect

(C) To charity, meditate/penance

(D) To remove weakness to be an ambassador

(E) Answer not known

General Studies-3.5.2023 16
27. Serathu iyalvathu naadu..

What are the 3 evils that pester the people who live according to the Kural that ends like this:

'செல்வது இவ்வளவு நல்லத்' - ஸ்ராவ முந்தி நல்லத் பாறும் என்கிறார் வாழ்குதள வாழ்களுக்கு முன்னிலச்சாக வாழ்கொள்வார் கையிலே பாலை?

(A) Poverty, Illiteracy, Unemployment
விட்டல், கற்கிள்கம், வெள்வலிப்பால்

(B) Hunger, Starvation, Famine
மாணி, பாணாணி, பதிவு

(C) Hunger, Disease, Enmity
மாணி, இரத்தி, பாசன

(D) Rain, Sun, Frost
வாழ்வு, வெள்ளை, பாசு

(E) Answer not known
விளை உறுப்பினை விளக்கம்

28. Thiruvalluvar says one should never do the deed that sages condemn in any circumstance.

What is the circumstance referred to here?

சாத்யமான புடைப்பு விலகம் குறித்துசிவிளையாட்டு விளம்பின் காலங்கள் மாலைகள் முன்னிலச்சாக விளையாட்டுகள்?

(A) When suffering under diseases
சுருக்கினர் வாழ்க மாலைகள்

(B) When not able to study
செந்தி குள் வாழ்க மாலைகள்

(C) When not able to earn money
மாலைகள் பெற முடியாத மினைகள்

(D) When your mother is starving
தம் பிறந்தத் மாலை காயற்றி

(E) Answer not known
விளை உறுப்பினை விளக்கம்
29. According to Thiruvalluvar which one of the following saves us from all disasters?

(A) Education
(B) Knowledge
(C) Gold
(D) Wealth
(E) Answer not known

30. What is the meaning of ‘Aaru’ in Aatruppadai literature?

(A) One who guides others
(B) River
(C) Gift
(D) Patron
(E) Answer not known
31. "Peyakandu Nanjundu amaivar nayathakka
Nāgarigam Vendubavar"
These lines occur in

(A) Nattrinai
(B) Akananuru

(C) Kurunthogai
(D) Purananuru

(E) Answer not known

32. What does “Oppuravu” (Duty to society) in Thirukkural mean?

(A) Cleanliness (Thooyimai)
(B) Comparatives (Uvamai)

(C) Integrity (Vaaimai)
(D) Aide (Udhavi)

(E) Answer not known

19 GENERAL STUDIES-3.5.2023 [Turn over
33. Falsehood may take the place of truthful word,
As per the above Thirukkural when can falsehood be considered to take the place of truthful word.

(A) when falsehood can produce blameless good
(B) when it does nothing good
(C) when it does evil
(D) when falsehood is uttered in anger
(E) Answer not known

34. ‘Nanba Unakku Oru Venba’ – what is the meaning of this line by Vairamuthu?

(A) AIDS Awareness
(B) Significance of love
(C) Social upliftment
(D) Significance of friendship
(E) Answer not known
35. Who is the author of the play “Baliyaadugal”?

“பாலியாகுடுல்” காலத் தொகுதி சொற்றையார் என்ன?

(A) Pralayan

(B) Mangai

(C) Veli. Rengarajan

(D) K.A. Gunasekaran

(E) Answer not known

36. Choose the correctly matched pairs:

தொகுதி கூற்று தொகுதி முறை செய்யும் எண் எண்கள்களை தரும்:

(1) Bharathidasan

(A) (1) and (2) are correct

(B) (1) and (4) are correct

(C) (2) and (3) are correct

(D) (2) and (4) are correct

(E) Answer not known

(2) Thiru Vi. Kalyana Sundaram

(3) Subramaniya Siva

(4) Jeevanandam

– Kuyil Pattu

– The Navasakthi

– Editor of Swedeshamitran

– Mookkandi

பதக்கி

பதக்கி

பதக்கி
37. Choose the right pairs:

(1) Colonel Maxwell – Maruthu Brothers
    மாக்லோய் மார்டூர்வ்

(2) Collector W.C. Jackson – Kattabomman
    கேட்டர் W.C. காட்டொம்சன்

(3) Colonel Agnew – Gopal Nayak
    கேலோன் அக்நுஸ்

(4) Colonel Innes – Velu Nachiyar
    கேலோன் இன்னேஸ்

(A) (1) and (2) are correct
    (1) மின்னுடின் (2) திரு

(B) (3) and (4) are correct
    (3) மின்னுடின் (4) திரு

(C) (2) and (3) are correct
    (2) மின்னுடின் (3) திரு

(D) (1) and (4) are correct
    (1) மின்னுடின் (4) திரு

(E) Answer not known
    இல்லை குறிப்பிட்டிருக்கும்
38. Which are the correct statements about Jeevanandam?

(i) Jeevanandam founded an ashram Unmai Vilakka Nilayam.

(ii) He did not participated in the temple entry struggle at Susindram

(iii) Jeevanandam did not establish Gandhi ashram in Siruvayal

(iv) He was involved in Vaikkom Struggle

(A) (i) and (ii) only

(B) (iii) and (iv) only

(C) (ii) and (iii) only

(D) (i) and (iv) only

(E) Answer not known
39. Match the following with regard to Self Respect Movement:

<table>
<thead>
<tr>
<th></th>
<th>Gudiyatham Self Respect Meeting</th>
<th>1. R. Chinnain</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>2nd Self Respect Conference</td>
<td>2. Altonshalash</td>
</tr>
<tr>
<td>3</td>
<td>Christian Conference</td>
<td>3. Abdul Khareem Shahib</td>
</tr>
<tr>
<td>4</td>
<td>Satyagraha Committee</td>
<td>4. MR. Jayakar</td>
</tr>
</tbody>
</table>

(A) (c) (d) (b) (a)  
(B) (a) (c) (d) (b)  
(C) (c) (b) (a) (d)  
(D) (a) (d) (b) (c)  
(E) Answer not known

- Answer: (B)
40. In 1925, E.V. Ramaswamy started the self respect movement.

The aim of the movement was the promotion of rational thinking, self-respect and self-confidence in the people.

It enabled them to enjoy the benefits of political and social freedom.

Which statement is correct?

(A) (i)  (B) (ii)  
(i)  (ii)  
(C) (i) and (ii)  (D) None of the above
(i) மற்றும் (ii)  
(E) Answer not known

41. Name the person who established on Ashram in Nandhi Hills after his political participation.

(A) Sir Sankaran  
(B) Nilakanda Brahmachari  
(C) S.S. Chidambaram  
(D) Sathiya Moorthi  
(E) Answer not known
42. Which one of the following is not a part of Thirukkural?

(A) Not to drink liquor  (B) Sin

(C) Poverty  (D) The word ‘Tamil’

(E) Answer not known

43. Name the person who presided over the nineth conference of the Madras constituency of the All India Women’s Conference of the year 1934.

(A) Dr. Muthulakshmi Reddy  (B) Mrs. Margaret Cousins

(C) Begum Shareegah Hamid Ali  (D) Mrs. Annie Besant

(E) Answer not known
44. Find out the False Statement regarding Gupta Art.

1. Gupta Artists were normal and natural
2. There was a keen sense of aesthetic culture
3. Nudity is entirely eliminated
4. Not based on religious and spiritual ideals

(A) (1), (2) and (3) are True, (4) is False
(B) (2) is True, (1), (3) and (4) are False
(C) (3) is True, (1) (2) and (4) are False
(D) (4) is True, (1), (2) and (3) are False
(E) Answer not known

45. What is the First Explanatory writer among the four for the book Thirukkural?

(A) Dharmar
(B) Parimezhakkar
(C) Mu.Va.
(D) Manakkudavar
(E) Answer not known
46. A tender flower (Anitcha) withers when one breaths even Identify the meaning for the term “Anitcham” from the following:

“அந்தை கூட்டது அடிக்கள்...”

திக்கமியா அனிச்சம் சரவா வி஭ா குழா.

(A) A Fruit
(B) An unripe fruit
(C) A Tender Flower
(D) Flower
(E) Answer not known

47. “The term “virtue” has got eight different meanings in Tamil”. Find out the author of the statement.

‘அர்வு’ சரவா நூற்றையுற்று தொட்டிய பண்டய மாற்றா பார்க்கார் மூவா

(A) Thirukkural Munusami
(B) Mu. Varatharajan
(C) K.T. Thirunaavukkarasu
(D) Kavingnar Vairamuthu
(E) Answer not known

48. What is the Tamil Name for “Haikku” poem?

சந்தா காவியம் சீரம் வைப்பா என்ன?

(A) Seyyul
(B) Pudhukkavithai
(C) Kurumpaa
(D) Vasanakavithai
(E) Answer not known

GENERAL STUDIES-3.5.2023 28
49. Who is the Author of the Novel “Malarum Sarukum”?

(A) Agilan
(B) D. Selvaraj
(C) N. Parthasarathy
(D) Jayakanthan
(E) Answer not known

50. According to Thirumoolar one should control his five senses like a

(A) Lion
(B) Elephant
(C) Tortoise
(D) Earthworm
(E) Answer not known
51. On what basis did this case arise?
“Yaayaiyum Paadi Kovai Paadu”
(Sing all the songs then sing Kovai)
“பாடலையும் பாடசல் வையது பாடு”
-வானை வாழிக் கைத்துப்பயிரில் வருங்கையும்?

(A) Uyarvana Ilakkiyam (High class literature)

(B) Kadavulodu Thodarbupaduthuvathu (Communication with God)

(C) Kadina Ilakkiya Vagai (The genre of hard literature)

(D) Payirchi Iruthal Veandum (Practice is must)

(E) Answer not known

52. Who sang the Holy verse “Paavai Padia Vaayaal Kovai”?
(The singing mouth of woman changes to sing on God)

‘பாவை பாட்டா வாயைல் கோவை’ பாடுமலொ பார்த்து;

(A) Thirugnana Sambanthar

(B) Thirunavukkarasrar

(C) Sundharar

(D) Manickkavasakar

(E) Answer not known
53. Srilankan tamil professor K. Sivathambi says the characteristics of Semmozhi (Classical Tamil Language) are _________, _________, _________

(தேசியத்துரை குறிப்பிட்டு பொருளியல் ந. சீபதம்பி சோமோசூரியப் பல்வேளாக குறிப்பிட்டு)

(A) Antiquity, Continuity, Richness
(B) Antiquity, excellence, individuality
(C) Antiquity, naturalness, individuality
(D) Antiquity, continuity, excellence
(E) Answer not known

54. “Vaiyagam panippa valanerbu valaiip”
– Which Pathupattu song begins with this line?

(unfailing clouds climbed to the right...)

‘ஆப்துப் பதயப் பாணைய் பாணைய்’

(A) Nedunalvaadai
(B) Kurunchippattu
(C) Mullaiappattu
(D) Pattinappalai
(E) Answer not known
55. Identify from the following one head ornament of the women wear on the hair during the Sangam Period.

(56) Toyyakam
(57) Pullakam
(58) Vayantakam
(59) Valampuri
(E) Answer not known

56. The type of drought which lead to a famine, widespread disease and death from starvation is

(A) Meteorological drought
(B) Hydrological drought
(C) Agricultural drought
(D) Socio economic drought
(E) Answer not known
57. Which Government has established the Tamil Nadu Slum Clearance Board as an autonomous body?

(A) DMK  
(B) AIADMK

(C) Janata Party  
(D) Congress

(E) Answer not known

58. Match the following:

(a) Women’s Liberation Movement  
(b) Indian National Freedom Movement  
(c) Anti-Hindi Movement  
(d) Hare Krishna Movement

(1) Utopian Movement  
(2) Reform Movement  
(3) Revolutionary Movement  
(4) Resistance Movements

(A) (1) (2) (3) (4)  
(B) (4) (1) (2) (3)  
(C) (4) (3) (2) (1)  
(D) (4) (1) (3) (2)  
(E) Answer not known
59. Match the following Industry Clusters in Tamil Nadu.

<table>
<thead>
<tr>
<th>Option</th>
<th>Industry Cluster</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>(a)</td>
<td>Thiruchengode</td>
<td>(1)</td>
</tr>
<tr>
<td>(b)</td>
<td>Salem</td>
<td>(2)</td>
</tr>
<tr>
<td>(c)</td>
<td>Rajapalayam</td>
<td>(3)</td>
</tr>
<tr>
<td>(d)</td>
<td>Karur</td>
<td>(4)</td>
</tr>
</tbody>
</table>

(A) (3) (1) (4) (2)  
(B) (3) (2) (4) (1)  
(C) (3) (4) (1) (2)  
(D) (2) (1) (4) (3)  
(E) Answer not known

60. According to NITI Aayog Health Index of 2021 of Tamil Nadu stands ________ among the Indian States.

(A) First  
(B) Third  
(C) Second  
(D) Eighth  
(E) Answer not known
61. The Government of India established the 'National Policy of Child Labour' in

(A) August 1987  
(B) August 1985

(C) August 1947  
(D) August 1975

(E) Answer not known

62. The First State Finance Commission was constituted in

(A) 1990  
(B) 1992

(C) 1993  
(D) 1994

(E) Answer not known
63. Choose the right matches from the following pairs:

(i) Reform Movement – Women’s Liberation Movement
(ii) Revolutionary Movement – Brahmo Samaj
(iii) Resistance Movement – Anti-Hindi Movement
(iv) Utopian Movement – The Sarvodaya Movement

(A) (i) and (iii) are correct
(B) (i) and (ii) are correct
(C) (ii) and (iii) are correct
(D) (iii) and (iv) are correct
(E) Answer not known

64. __________ is the Infant Mortality rate of (per thousand live births) Tamil Nadu in the year 2018.

2018-இல் தமிழ்நாட்டின் குழந்தை விளையாட்டு விளையாட்டு (1000 குழந்தைகள் விளையாட்டு)

(A) 15
(B) 14
(C) 34
(D) 44
(E) Answer not known
65. The aim of Operation Digital Board (ODB) is

(A) To provide two smart classrooms for every Secondary Schools in all states by March 2023

(B) To stop smart classrooms in all states

(C) To provide smart classrooms by March 2025

(D) To provide two smart classrooms in Colleges

(E) Answer not known

66. Why the E-Challan system introduced by the Tamil Nadu home department?

(A) To increase the revenue

(B) To monitor and reduce the traffic violations

(C) To monitor and control the law and order

(D) To reduce the crime rate

(E) Answer not known
67. B.M. Birla Planetarium, Periyar Science and Technology is located in

(A) Tanjavur

(B) Madurai

(C) Dindigul

(D) Chennai

(E) Answer not known

68. The town “Sivakasi” was fondly called as “Little Japan” by

(A) Mahatma Gandhi

(B) Jawaharlal Nehru

(C) Indira Gandhi

(D) Moraji Desai

(E) Answer not known

69. Which one of the following is wrongly matched?

(A) Magnesite – Salem

(B) Molybdenum – Karadikuttam

(C) Iron Ore – Kajamalai

(D) Lignite – Kaniyakumari

(E) Answer not known
70. Where does the “Export promotion Industrial Park” is located in Tamil Nadu?

(A) Gummipoondi (B) Chengalpet

(C) Tambaram (D) Ambattur

(E) Answer not known

71. ________ district in Tamil Nadu has the lowest child sex ratio in 2011 census.

(A) Theni (B) Cuddalore

(C) Dharmapuri (D) Ariyalur

(E) Answer not known
72. Home Based Care for Young Child (HBYC) was implemented in Tamil Nadu, in the following Districts under Phase I?

(A) Ramanathapuram & Chennai
(B) Virudhunagar & Chennai
(C) Ramanathapuram & Salem
(D) Virudhunagar & Ramanathapuram
(E) Answer not known

73. The unconscious sorting of an arrangement of facts and ideas learnt after a period of time is called

(A) Association
(C) Reminiscence
(E) Answer not known

(B) Consolidation
(D) Perseveration

(E) Answer not known
74. ———— Scheme to provide integrated support and assistance to women affected by violence, both in Private and Public space under a roof.

(A) 'SAKTHI'
(B) 'SAKHI'
(C) 'SHANTAM'
(D) 'SANTHOSM'
(E) Answer not known

75. E.V.R. Maniammaiayar Ninaivu Marriage Assistance Scheme is implemented to help,

(A) Orphan girls
(B) Intercaste married couples
(C) Widows to remarry
(D) Daughters of poor widows
(E) Answer not known
76. Which of the following schemes was funded by World Bank?

(A) Pudhu Vazhvu Scheme
(B) Amma Scheme
(C) Cradle baby Scheme
(D) Meetpu Scheme
(E) Answer not known

77. What is the “App” used for the agriculturist to disseminating technological information?

(A) Kavalan
(B) Uzhavan
(C) Farmer
(D) Vellalar
(E) Answer not known
78. **Assertion (A):** The prime objective of the Government is the overall development of the tribal community.

**Reason (R):** Proper and effective implementation of schemes is of paramount importance.

**Correct Answer:** Both (A) and (R) are true and (R) is the correct explanation of (A).

(A) Both (A) and (R) are true and (R) is the correct explanation of (A).
(B) Both (A) and (R) are true and (R) is not the correct explanation of (A).
(C) (A) is true but (R) is false.
(D) (A) is false but (R) is true.
(E) Answer not known.

79. The percentage of reservation given to Backward Class Muslims is _______ in Tamil Nadu.

---

(A) 7  (B) 5.5  (C) 6  (D) 3.5  (E) Answer not known
80. Which was the first state to establish Third Gender Welfare Board?

(A) Tamil Nadu  
(B) Karnataka  
(C) Kerala  
(D) Maharashtra  
(E) Answer not known

81. The statutory body which is constituted to deal with the cases related to crime against women is

(A) State Resource Centre for Women  
(B) State Commission for Women  
(C) One Stop Crisis Centre  
(D) Mahila Sakthi Kendra  
(E) Answer not known

82. Resistance Movements are mainly focus on

(A) being traditional  
(B) being modern  
(C) being others  
(D) resist to change  
(E) Answer not known

GENERAL STUDIES-3.5.2023  44
83. Indices of Human Development Index are:

(i) Income
(ii) Education
(iii) Industrial
(iv) Health
(v) Infrastructure

(A) (iii), (iv), (v)  
(B) (ii), (iii), (iv)
(C) (i), (ii), (iii)  
(D) (i), (ii), (iv)

(E) Answer not known

தெரியாதது (E)
84. The food security has the following three components:
(i) Accessibility
(ii) Allocation
(iii) Availability
(iv) Absorbtion
அனைத்துப் பாதுகாப்பு, வரையறை குறிப்பிட்டல் வரையறை குறிப்பிட்டல் வரையறைக்கிளை.
(i) அவற்றை
(ii) குறிக்கிற
(iii) கிளை
(iv) மறுக்கிற
(A) (i), (ii) & (iii)  (B) (i), (iii) & (iv)
(C) (ii), (iii) & (iv)  (D) (i), (ii) & (iv)
(E) Answer not known

85. Three-tier health infrastructure of Tamil Nadu comprise
தமிழ்நாடு ஊர்க்குறிக்க வளர்த்த ஆரோக்கிய கலாபராசம் அளவிப்படுகை
(A) Hospitals, Primary Health Centres, Community Health Centres
மருத்துவமனைகள், பொது மருத்துவமனைகள், சமூகக்கூட்டங்கள்
(B) Industries, Hospitals, Schools
இயற்பியல், மருத்துவமனைகள், பள்ளிகள்
(C) Colleges, Hospitals, Banks
கல்லூரிகள், மருத்துவமனைகள், தமிழ்
(D) Hospitals, Medical Colleges, Banks
மருத்துவமனைகள், மருத்துவ கல்லூரிகள், தமிழ்
(E) Answer not known

GENERAL STUDIES-3.5.2023 46
86. Find the missing number :

4, 27, 16, 125, 36, ————, 64

(A) 343  (B) 256  
(C) 144   (D) 121  
(E) Answer not known

87. Find the value of ‘x’

3, 7, 14, 23, 36, 49, x

‘x’ யான மேற்கு நிற்கவும் காலநாள் வாயல்

3, 7, 14, 23, 36, 49, x

(A) 64  (B) 65  
(C) 66   (D) 67  
(E) Answer not known

88. In a Certain Code RANGE is coded as 12345 and RANDOM is coded as 123678, then the code for the word MANGO would be

 RANGE அல்லது 12345 அல்லது RANDOM

 அல்லது 123678 அல்லது மான்மூலாம் MANGO அல்லது பார்வத்கரணம் கால்

(A) 82346  (B) 82347  
(C) 82357   (D) 84563  
(E) Answer not known
89. In a certain code ALGEBRA as BKHDCQB then GEOMETRY is coded as

(தி புரித்து சதிவை ALGEBRA ல் குற்றா BKHDCQB ல் குற்றா GEOMETRY ல் குற்றாக சார்ந்து)

(A) HDPLFUSX  (B) HDPLFSSX
(C) HFPLFUSX  (D) HFPLFUSZ
(E) Answer not known

90. How many 2 digit natural numbers contain the number 7?

(7 ஒன்று இருந்து முதல் எண்கள் இன்றாக இருப்பது எண்கள் எளியவகை எண்கள் ?)

(A) 10  (B) 18
(C) 19  (D) 20
(E) Answer not known

91. If $5^7 + 5^7 + 5^7 + 5^7 + 5^7 = 5^y$ then $y$

($5^7 + 5^7 + 5^7 + 5^7 + 5^7 = 5^y$ என்றா என்றா)$

(A) 5  (B) 7
(C) 8  (D) 9
(E) Answer not known
92. 'A' can do a work in 45 days. He works at it for 15 days and then, 'B' alone finishes the remaining work in 24 days. Find the time taken to complete 80% of the work, if they work together

A ஒரு நாள் ஒரு வேகத்தில் 45 நாட்களில் முடித்து. அவ்வுடன் 15 நாட்களில் அவ்வுடன் செய்து வேர்க்கல். பின்னர் 'B' ஒரு நாள் ஒரு வேகத்தில் 24 நாட்களில் முடித்து. 80% உடைய வேகத்தில் செய்து வேர்க்கல் எதுவும் தெரியாது.

(A) 20 days  
20 நாட்கள்  
(B) 24 days  
24 நாட்கள்  
(C) 16 days  
16 நாட்கள்  
(D) 36 days  
36 நாட்கள்  
(E) Answer not known

93. 10 men can complete a piece of work in 15 days and 15 women can complete the same work in 12 days. If all the 10 men and 15 women work together, in how many days will the work get completed?

10 பெண்கள் ஒரு ஒரு ஒரு வேகம் 15 நாட்களில் முடித்து. 15 வெள்ளிகள் ஒரு ஒரு ஒரு நாட்களில் முடித்து. 10 பெண்கள் ஒரு ஒரு வேகம் இருக்கும் ஒரு ஒரு வேகம் முடியும் எதுவும் தெரியாது?

(A) 6  
(B) 6\(\frac{1}{3}\)  
(C) 6\(\frac{2}{3}\)  
(D) 7\(\frac{2}{3}\)  
(E) Answer not known

49  
GENERAL STUDIES-3.5.2023  
[Turn over
94. An aircraft can accommodate 280 people in 2 trips. It can take _______ trips to take 1400 people.

280 பேர் ஒரு நிகழ்வில் 2 மற்றும் பேராக முழுமையாய் நிகழ்வில், 
அது நிகழ்வில் 1400 பேர் ஒரு நிகழ்வில் _______ பேராக முழுமையாய்.

(A) 8  (B) 9  (C) 10  (D) 12  (E) Answer not known

95. A garden roller whose length is 3 m long and whose diameter is 2.8 m is rolled to level a garden. How much area will it cover in 8 revolutions?

மீட்டு 3 மீ எண்ணம் நில்லாம் 2.8 மீ எண்ணம் வரைப்பட்டு உருவாக்கப்பட்ட வரையில் 
உட்கொண்டு வரைப்பட்டு பயன்படுத்தாமல் 8 ரோள் நில்லாம் பன்னாட்டு உறையா 
எண்ணம் கூட்டப்பட்டு?

(A) 211.02 m²  (B) 211.2 m²
211.02 m²  211.2 m²
(C) 211 m²  (D) 212 m²
211 m²  212 m²
(E) Answer not known

96. Find the number of lead balls each 1 cm in diameter that can be made from a sphere of diameter 12 cm

12 செ.மீ நில்லாம் என்று நில்லாம் நில்லாம் கொள்ளுவதால் 1 செ.மீ நில்லாம் என்று 
நில்லாம் எழுத்தாக்காதோ?

(A) 1726  (B) 1728
1726  1728
(C) 1626  (D) 1736
(E) Answer not known

GENERAL STUDIES-3.5.2023  50
97. The bacteria in a culture grows by 5% in the first hour, decreases by 8% in the second hour and again increases by 10% in the third hour. Find count of bacteria at the end of 3 hours if its initial count was 10,000

A. 13,000  
B. 13,500  
C. 12,626  
D. 10,626  
E. Answer not known

98. Find the difference in C.I. and S.I. for P = ₹ 8000, r = 5% p.a. n = 3 years

A. ₹ 60  
B. ₹ 20  
C. ₹ 21  
D. ₹ 61  
E. Answer not known

99. Which is the highly populated race in the states of Nagaland and Megalaya?

A. Meladia  
B. Aryans  
C. Mongoloid  
D. Turko  
E. Answer not known
100. What sum of money will earn ₹ 500 as simple interest in 1 year at 5% per annum?

(A) 50000  (B) 30000
(C) 10000  (D) 5000
(E) Answer not known

101. If Meena gives an interest of Rs. 45 for one year at 9% rate. What is the sum she has borrowed?

(A) 1000  (B) 1500
(C) 500   (D) 1200
(E) Answer not known

102. In three vessels of 10L capacity mixture of milk and water is filled the ratio of milk and water are 2:1, 3:1 and 3:2 in the respective vessels. If all the three vessels are emptied into a single large vessel, find the ratio of milk and water in the resultant mixture.

(A) 121 : 41  (B) 117 : 22
(C) 127 : 41  (D) 121 : 59
(E) Answer not known
103. If \((x + 1) : 8 = 3.75 : 7\), then the value of \(x\) is
\[ x + 1 : 8 = 3.75 : 7 \]
\[ \text{Answer} \]
(A) \(\frac{1}{7}\)  
(B) \(\frac{2}{7}\)
(C) \(\frac{3}{7}\)
(D) \(\frac{4}{7}\)
(E) Answer not known

104. A heater uses 3 units of electricity in 40 min. How many units does it consume in 2 hours?

\[ \text{தொடரான 40 மினட்டில் 3 அலகு எண்ணற்றுதல் பட்டியல்} \]
\[ \text{தொடரான 2 மணிக்கு எண்ணற்றுதல் பட்டியல்} \]

(A) 10 units  
10 புலியாட்சன்
(B) 9 units  
9 புலியாட்சன்
(C) 8 units  
8 புலியாட்சன்
(D) 11 units  
11 புலியாட்சன்
(E) Answer not known

105. Find the LCM of: \(9a^3b^2, 12a^2b^2c\)

\(\text{தொடரான} \ 9a^3b^2, 12a^2b^2c\)

(A) \(36abc\)  
(B) \(12a^2bc\)
(C) \(24a^2b^2c\)  
(D) \(36a^3b^2c\)
(E) Answer not known

\[ \text{தொடரான} \ \text{எதிர்பியல்} \]
106. Find the LCM of: $4x^2y$, $8x^3y^2$

(A) $4x^2y$  (B) $8x^3y^2$
(C) $8x^2y$  (D) $32xy$
(E) Answer not known

107. Find the H.C.F of $(m^2 - 3m - 18)$ and $m^2 + 5m + 6$

(A) $m + 3$  (B) $m - 6$
(C) $m + 2$  (D) $m - 3$
(E) Answer not known

108. If $(x - 6)$ is the HCF of $(x^2 - 2x - 24)$ and $(x^2 - Kx - 6)$ then the value of $K$ is

$(x^2 - 2x - 24)$ divides $(x^2 - Kx - 6)$ so that $x - 6$ divides $K$ as well

(A) 3  (B) 5
(C) 6  (D) 8
(E) Answer not known
109. If \( x\% \) of \( x = 25 \), then \( x = \)
\[ x \text{ இது} x\% 	ext{நூற்றாண்டு} 25 	ext{ நூற்றாண்டு, } x 	ext{ நூற்றாண்டு} \text{ -- தேன்} \]

(A) 50  
(B) 25  
(C) 55  
(D) 20  
(E) Answer not known

110. 30% of a 3-digit number is 190.8 what will be 125% of that number?

\[ 	ext{30% ஒன்று} 190.8. 	ext{ஆன் 125% ஒன்று} \text{என்ன?} \]

(A) 636  
(B) 795  
(C) 975  
(D) 735  
(E) Answer not known

111. Arrange the following events in chronological order

(i) British India society was founded by Dadabhai Naoroji

(ii) Dadabhai Naoroji was elected to the British House of commons

(iii) President of the 22nd Calcutta congress session

(iv) President of the 9th Lahore congress session

(A) (iii), (ii), (i), (iv)  
(B) (i), (iii), (iv), (ii)  
(C) (ii), (iii), (i), (iv)  
(D) (i), (ii), (iv), (iii)  
(E) Answer not known
112. Which of the following statements is/are correct about the objectives of the All India Muslim League?

(A) (i) and (ii) are correct  
(B) (ii) and (iv) are correct

(i) Immediate reforms should be introduced in Frontier provinces and Baluchistan

(ii) To promote the interests and safeguard the political rights of the Muslims

(iii) To promote against friendly feelings between the muslims and other communities in India to the extent possible

(iv) To promote among Indian Muslim feelings of loyalty towards the British Government

(A) (i) and (ii) are correct  
(B) (ii) and (iv) are correct

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

(E) Answer not known

General Studies-3.5.2023 56
113. The name ‘Pakistan’ or ‘Pak-stan’ was coined by a Punjabi student at Cambridge who was he?

‘பாசியான்’ (A) ‘பாக-ஷன்’ எனும் பெயர் பாசியான தெலைவிகளின் பதவிகுறிப்பிட்டது பெயரால் பாக-சன் எனும் பெயர். அதன் பெயரால்

(A) Mohammed Ali Jinnah
(B) Asaf Soukath Ali
(C) Choudhry Muhamad Ali
(D) Choudhry Rahmat Ali
(E) Answer not known

114. Who led the civil Disobedience movement after Mahatma Gandhi’s arrest is 1930?

1930இல் மாத்ம ராஜ பூண்யத்தேவார்க்கு போராட்டத் தொற்று காரணி காற்றென இல்லம்பூண்யம்

(A) Jawaharlal Nehru
(B) Abbas Tyabji
(C) Sarojini Naidu
(D) Subhash Chandra Bose
(E) Answer not known

57 GENERAL STUDIES-3.5.2023
[Turn over
115. Which among the following, was not suggested by the Nehru report?

(A) Proposed Dominion status for India

(B) A committee of defence was proposed at the centre

(C) Fundamental Rights were to be incorporated in the Constitution

(D) Abolition of dyarchy in the provinces

(E) Answer not known

116. The Organisation formed by Indian students residing in Germany during first world war (1914-1918) was

(A) Indian National Committee

(B) Indian Independence Committee of Nationalists

(C) Indian Independence committee

(D) Indian National Forum of Germany

(E) Answer not known
117. British Journalists ridiculed ________ as the, "Kindergarten stage of Revolution".

________ பார்வைக்குறியாக், "மாதிரியாக பாதிப்பு வெளியும் பார்வையாக" என்று பார்வைக்குறியாக கொண்டது.

(A) Dandi March

(B) Non Cooperation Movement

(C) Quit India Movement

(D) Bardoli Sathyagraha

(E) Answer not known

118. Who put forward the fourteen points programme in the Muslim League meeting held at Delhi?

ஏனையர் தொண்டிப் பிரெச்சயின் கொன்று காரணமாக, பிரெஸ்டின் அரச் சிறந்த பார்வையில் பார்வையாகப் பார்வையாக பார்வை?

(A) Abul Kalam Azad

(B) Muhammad Ali Jinnah

(C) Muhammad Iqbal

(D) Asadullah Khan

(E) Answer not known
119. How did Slogan Inquilab Zindabad was very popular?
‘இந்தியாவின் இன்பத்து’ என்று எப்போது எப்போது பொருள்பட்டு?

(A) Voice of the Indians
(B) Slogan of the teachers
(C) Slogan of the workers
(D) Voice of Bhagat Singh
(E) Answer not known

120. Who exploded bombs on the Central Legislative Assembly in 1929?
1929 ஆம் ஆண்டில் சுந்தராந்திரியின் பொடி எப்போது எப்போது பொருள்பட்டு?

(A) Rajguru and Jai Gopal
(B) Bhagat Singh and Batukesvar Datta
(C) Udham Singh and Bhagat Singh
(D) Sukhdeva and Yatindranath
(E) Answer not known
121. Arrange the following events in chronological order:

(i) Vaikkom Satyagraha
(ii) Cheranmahadevi Gurukulam Controversy
(iii) Anti Hindi Agitation
(iv) Individual Satyagraha

(A) (ii), (iii), (i), (iv)  (B) (i), (ii), (iv), (iii)
(C) (iv), (iii), (ii), (i)  (D) (iii), (i), (iv), (ii)
(E) Answer not known

122. In the year A.D. 1817 Raja Ram Mohan Roy, Radhakanta dev and others founded Mahapatsala at

(A) Bombay
(B) Delhi
(C) Kolkatta
(D) Bengal

(E) Answer not known
123. Match the following congress session with the respective year

<table>
<thead>
<tr>
<th>(a) Calcutta Session</th>
<th>(1) 1885</th>
</tr>
</thead>
<tbody>
<tr>
<td>(b) Allahabad Session</td>
<td>(2) 1886</td>
</tr>
<tr>
<td>(c) Madras Session</td>
<td>(3) 1887</td>
</tr>
<tr>
<td>(d) Bombay session</td>
<td>(4) 1888</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>(a)</th>
<th>(b)</th>
<th>(c)</th>
<th>(d)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1885</td>
<td>1886</td>
<td>1887</td>
<td>1888</td>
</tr>
</tbody>
</table>

(A) (2) (4) (3) (1)
(B) (1) (2) (3) (4)
(C) (2) (3) (1) (4)
(D) (1) (4) (3) (2)

(E) Answer not known

**GENERAL STUDIES-3.5.2023**
124. Choose the wrong matches:

Which of the following are incorrectly paired?

(i) British Indian Association — 1851
(ii) Land Holders society — 1838
(iii) Madras Native Association — 1883
(iv) Indian Association — 1816

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

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

(E) Answer not known
125. Who was the president of 1887 Indian National congress conference that was held in Madras?

(A) Dadabhai Naoroji
(B) Pheroshah Mehta
(C) Badruddin Tyabji
(D) W.C. Bannerji
(E) Answer not known

***

GENERAL STUDIES-3.5.2023
126. How is IMR (Infant Mortality Ratio) is calculated?

IMR என்ன விளக்கம் வருகிறது என்று எள்ளியாளர்கள்?

(A) Birth of 100 child and number of deaths in below 1 year in a particular period of time

(B) Birth of 1000 child and number of deaths in below 1 year in a particular period of time

(C) Birth of 2000 child and number of deaths in below 1 year in a particular period of time

(D) Birth of 3000 child and number of deaths in below 1 year in a particular period of time

(E) Answer not known

கீழ் தொன்றிசோல்
127. Which one of below is related to poverty alleviation programmes?

(i) The Nehru Rozgar Yojana
(ii) National social Assistance programme
(iii) Jawahar Gram Samridhi Yojana
(iv) Swarna Jahanthi Shahari Rozgar Yojana

(A) (i) is correct
(B) (iii) is correct
(C) (i) and (ii) is correct
(D) (i), (ii), (iii) and (iv) are correct
(E) Answer not known

128. Which stage of demographic transition is characterised by “Low birth rate and low Death rate”?

(A) Stage I
(B) Stage II
(C) Stage III
(D) Stage IV
(E) Answer not known
129. Which is the correct criteria for declaring an enterprise as “Micro”?

(i) The investment in plant and Machinery does not exceed Rs. 25 lakh

(ii) The enterprise should fall in the category of manufacturing sector and not service sector

Select correct answer by using the code given below:

(A) (i) only       (B) (ii) only

(C) Both (i) and (ii)       (D) Neither (i) nor (ii)

(E) Answer not known

67  GENERAL STUDIES-3.5.2023  
[Turn over
130. Consider the following statement

(i) Mahalwari system, was introduced by William Bentick

(ii) Mahalwari system was introduced in the year 1833

(iii) The owner of the land is Government in Mahalwari system

(iv) The Village committed was held responsible for collection of taxes in Mahalwari system

From there which are correct statement?

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

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

(E) Answer not known

(Answer: (C))
131. Green Revolution has been most successful in which of the following pairs of crops?

(A) Wheat and Rice
(B) Wheat and Oil seeds
(C) Sugarcane and cotton
(D) Wheat and pulses
(E) Answer not known

132. Which of the following is/are related to the land reforms programmes in India?

(i) Ceiling on land holdings
(ii) Consolidation of holdings
(iii) Cooperative farming
(iv) Zamindari abolition

(A) (i) only
(B) (i) and (iv) only
(C) (i), (ii) and (iv) only
(D) (i), (ii), (iii) and (iv)
(E) Answer not known
133. Indian Constitution makes a clear division of fiscal powers between the states and the centre government under which Articles?

(A) Article 462 and 392  
(B) Article 642 and 932
(C) Article 264 and 293  
(D) Article 426 and 329
(E) Answer not known

134. The population growth rate during 1911-21 was negative due to epidemics like

(i) Cholera  
(ii) Plague  
(iii) Influenza  
(iv) Famines

(A) (i), (ii), (iii), (iv)  
(B) (ii), (iii), (i), (iv)
(C) (i), (ii), (iv), (iii)  
(D) (ii), (i), (iv), (iii)
(E) Answer not known
135. Consider the following statement

(i) Reserve Bank of India is a custodian of forex
(ii) Reserve Bank of India was formed on April 1, 1934
(iii) Reserve Bank of India also called “Lender of first Resort”
(iv) Reserve Bank of India collects receipts of funds and makes payments as behalf of the Government out of these, which are correct statement?

(A) (ii) and (iv)  (B) (i) and (iv)
(ii) மறு (iv)  (i) மறு (iv)
(C) (i) and (ii)  (D) (ii) and (iii)
(i) மறு (ii)  (ii) மறு (iii)
(E) Answer not known

136. Who is the chairman of central board of directors of RBI?

(A) RBI Governor
(B) Finance Minister
(C) Prime Minister
(D) Home Minister
(E) Answer not known

71  GENERAL STUDIES-3.5.2023
[Turn over
137. Nehru Mahalanobis model was based on

(i) a high rate of savings so as to boost investment to a higher level
(ii) It preferred a heavy industry bias to develop the industrial base of the economy
(iii) It opted for the protectionist path so as to safeguard infant industry
(iv) It encouraged import substitution so as to achieve self reliance

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

(i) சுத்து (ii) பெரும்  (ii) மாலரா (iii) மாற்று

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

(ii) மாலரா (iv) மாற்று  (i), (ii), (iii) மாலரா (iv) மாற்று

(E) Answer not known

விளை குறிப்பிட்டது
138. Why was the NITI Aayog formed?

NITI Aayog - என்ன உருவாக்கப்பட்டது?

(i) to promote co-operative federation

(ii) to decentralize the planning

(iii) to control the population growth

(iv) to settle inter-sectoral/ Inter state conflicts

(A) (ii) and (iii) only

(B) (i) and (ii) only

(C) (i) and (iv) only

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

(E) Answer not known

---

[Turn over]
139. Which of the following dimensions are used in the concept of multidimensional poverty index?

(A) (ii) and (iv)  
(B) (i), (ii) and (iii) only  
(C) (ii), (iii) and (iv) only  
(D) (i), (iii) and (iv) only  
(E) Answer not known

140. ‘Garibi Hatao’ and ‘Growth with social justice’ related to which five year plan in India?

(A) Second five year plan  
(B) Third five year plan  
(C) Fourth five year plan  
(D) Fifth five year plan  
(E) Answer not known
141. Which of the following statements about the time limit to get the Information is/are true?

(i) 30 days from the date of application
(ii) 48 hours for information concerning the life or liberty of a person
(iii) 5 days shall be added to the above response time in case the application for information in given to APIO

(A) (i) only
(B) (i) and (ii) only
(C) (ii) and (iii) only
(D) (i), (ii) and (iii)
(E) Answer not known
142. Which of the following statements are true about prime Minister’s office?

(i) Assisting the prime minister in respect of his overall responsibilities

(ii) Maintaining liaison with president, Governors and foreign Representatives in the country

(iii) Settles disputes between the ministries

(A) (i) only  
(B) (ii) and (iii) only  
(C) (i) and (ii) only  
(D) (i) and (iii) only  
(E) Answer not known

GENERAL STUDIES-3.5.2023 76
143. Which of the following statements are true about Balwant Raj Mehta Committee?

(i) Establishment of three-tier panchayati Raj system

(ii) Village Panchayath should be constituted with directly elected representatives

(iii) The district collector should not be the chairman of the Zila Parishad

(A) (i) only
(B) (i) and (iii) only
(C) (i) and (ii) only
(D) (ii) and (iii) only
(E) Answer not known
144. Assertion (A): Corruption emanates at the top political and administrative levels.

Predicate (A): வர்த்தக்கோட்ட குறுப்புக்கள வேறுபுற விளக்க முற்பகுதிகளை விளக்குவிக்கின்றன.

Reason (R): The Top level involvement makes eradication of corruption nearly impossible.

Predicate (R): வர்த்தக்கோட்ட விளக்ககுப்புகள வேறுபுற விளக்க முற்பகுதிகளை விளக்குவிக்கின்றன.

(A) (A) is true but (R) is false

(B) Both (A) and (R) are true and (R) is the correct explanation of (A)

(C) (A) is false (R) is true

(D) Both (A) and (R) are true but (R) is not correct explanation of (A)

(E) Answer not known
145. The state in India were re-organised on which of the following the basis of
(A) Cultural and lingual homogeneity
(B) Administrative convenience
(C) Culture and traditions
(D) Language of the people
(E) Answer not known

146. The Slogan, “Voice of people may be the voice of God” is suitably associated with
(A) Popular Sovereignty
(B) Citizen participation
(C) Democratic Decentralization
(D) Prevention of corruption
(E) Answer not known
147. Consider the following statements.
Choose the correct answer

(i) Protection of Human Rights Act was passed in 1993

(ii) Protection of Human Rights Act was Amended in the year 2003

(iii) Human Rights courts in the district can be set up by the concurrence of the Governor of the State

(iv) An Advocate of seven years experience may be appointed as a special public prosecutor for a Human Rights court

(A) (i) and (iii) only

(B) (i) and (iv) only

(C) (iii) and (i) only

(D) (ii) and (iii) only

(E) Answer not known

Options: (A), (B), (C), (D), (E)
148. Which of the following is incorrectly paired?

(i) Santhanam committee – Anti corruption
(ii) Balwantrai Mehta Committee – Local government
(iii) S.R. Das Commission – District Administration
(iv) Sarkaria Commission – Inquiry commission on corruption

(A) (i) and (iii) only  (B) (i) and (ii) only
(C) (iii) and (iv) only  (D) (ii) and (iii) only
(E) Answer not known

149. The Lokpal bill was introduced for the first time in Loksabha in the year

(A) 1968  (B) 1971
(C) 2011  (D) 2013
(E) Answer not known
150. Match correctly the writs with their meanings

(a) Mandamus
(b) Habeas corpus
(c) Certiorary
(d) Prohibition

(1) To Stop
(2) To certify
(3) To command
(4) To have the body

(a) (b) (c) (d)
(A) (3) (4) (1) (2)
(B) (3) (4) (2) (1)
(C) (4) (2) (1) (3)
(D) (1) (4) (3) (2)

(E) Answer not known

151. __________ is responsible for the preparation of electoral rolls for a parliamentary/assembly constituency.

(A) Chief Electoral Officer
(B) Returning Officer
(C) Electoral registration Officer
(D) Presiding Officer

(E) Answer not known
152. Read the following, choose the correct option given below.
Assertion (A): The Constitution of India is not an absolute Federal Constitution.

(D) Both (A) and (R) are correct, (R) is the correct explanation of (A)

(A) (A) is true (R) is false
(B) (R) is true (A) is false
(C) Both (A) and (R) are correct, (R) is not correct explanation of (A)

153. The Executive Officer of the Cantonment Board is appointed by

(B) District Collector

(A) Mayor

(C) Home Ministry

(E) Answer not known
154. Match the following

(a) Article 156  
(b) Article 155  
(c) Article 157  
(d) Article 161

(1) Pardoning power of the Governor  
(2) Term of office of the Governor  
(3) Appointment of the Governor  
(4) Qualification for appointment as Governor

(A) (2) (3) (4) (1)  
(B) (1) (2) (3) (4)  
(C) (4) (3) (2) (1)  
(D) (3) (4) (2) (1)  
(E) Answer not known

155. Estimates committee of Parliament consists of members

(A) 20  
(B) 12  
(C) 27  
(D) 30  
(E) Answer not known
156. Who described Directive Principle of State policy as a ‘novel feature’ of Indian Constitution?

(A) Dr. B.R. Ambedkar  
(B) Mahatma Gandhi  
(C) Pylee  
(D) Mountbatten  
(E) Answer not known

157. Which one of the statements is correct regarding the Subramaniam Siva?

1. He started dharma Paripana Samajam at Trivandrum

2. He participated the Coral Mill Strike at Tuticorin

3. He started “Gnana panu”, a monthly journal at Chennai in 1913

4. He started “Bharatha Asiramam” in Karaikudi in 1921

(A) 1, 2, 3 are correct 4 only incorrect  
(B) 1, 2, 3, 4 are correct  
(C) 1, 3, 4 are correct 2 only incorrect  
(D) 1, 2, 3, 4 not correct  
(E) Answer not known
158. Which of the following statements are true about secular democracy?

(i) State will not be controlled by any religion

(ii) Discrimination will be shown by the state against any person on account of his/her religion

(iii) State guarantees to everyone the right to profess whatever religion one chooses to follow

(A) (i) and (iii) only
(B) (i) and (ii) only
(C) (ii) and (iii) only
(D) (i) only
(E) Answer not known

SA_தீர்மானத்தாள்
159. Which of the following statement is true about the last line of the Preamble of the Indian Constitution?

(A) Do hereby adopt, Enact and give to the nation this Constitution

(B) Do hereby adopt, Enact and give to ourselves this Constitution

(C) Do hereby adopt, Enact and dedicate to the country this Constitution

(D) Do hereby adopt, Enact and dedicate to the nation this Constitution

(E) Answer not known

"தமிழில் கூறுவதற்கு சுட் விளக்க, தமிழில் ஆசிரியர் ஆசம்பங் சமித்திய நூலின் கலை விளக்கம்."

"தமிழில் ஆசிரியர் ஆசம்பங் சமித்திய நூலின் கலை விளக்கம்."

"தமிழில் ஆசிரியர் ஆசம்பங் சமித்திய நூலின் கலை விளக்கம்."

"தமிழில் ஆசிரியர் ஆசம்பங் சமித்திய நூலின் கலை விளக்கம்."

"தமிழில் ஆசிரியர் ஆசம்பங் சமித்திய நூலின் கலை விளக்கம்."

"தமிழில் ஆசிரியர் ஆசம்பங் சமித்திய நூலின் கலை விளக்கம்."

"தமிழில் ஆசிரியர் ஆசம்பங் சமித்திய நூலின் கலை விளக்கம்."
160. Of the following three statements identify the true statement(s) on Indian Constitution.

(i) Indian Constitution is a socially constructed document
(ii) Indian Constitution is unwritten customs and practices
(iii) Indian Constitution is a text subject to interpretative practices of both parliament and judiciary

(A) (i) only
(B) (i) and (iii) only
(C) (i) and (ii) only
(D) (ii) and (iii) only
(E) Answer not known

161. “The Music of India is the finest in the World” Who said this?

(A) Amir Khusrau
(B) Aurangzeb
(C) Minhaj Us Siraj
(D) Barani
(E) Answer not known
162. Kalibangan is situated on the banks of River
கறிவாரத்தில் எந்த நீர்வாய்க்குறிக்கு அமைந்துள்ளது?
(A) Ravi ராவி
(B) Sutlej சுதலேஜ்
(C) Beas பெங்கல்
(D) Ghaggar காகக்கர்
(E) Answer not known முன்னாள் குறிப்பிட்டுக

163. Choose the right answer.
சீட்டான பாதுகாக்கி விளக்கத்தொகுதிகளில்.

Which of the following statements are true about Qutub-ud-din
நரீந்திரப் புத்தம் பெருந்து குரல் கைவலை செய்த காலம்காலம்?

(i) He was the real founder of the Turkish dominion in India
அவர் தரை தருமையில் தருமையுள்ள தருமையில் வெள்ளாண்டி ராஜாவரும்.

(ii) He organised the 'Group of Forty'
அவர் கருனாய் டார்ப்பில்கர் குன்று தோர்ப்பிட்டு

(iii) He started the construction of Qutub Minar
அவர் 'குறுப்பில்கர்' ராஜாவின் வெளிப்பு பலிக்கும் குறுப்பில்கரம்

(A) (i) only
(i) மட்டும்

(B) (i) and (ii) only
(i) மட்டும் (ii) மட்டும்

(C) (ii) and (iii) only
(ii) மட்டும் (iii) மட்டும்

(D) (i) and (iii) only
(i) மட்டும் (iii) மட்டும்

(E) Answer not known
சீட்டான குறிப்பிட்டுக
164. Reason and Assertion type

 Assertion (A) : Akbar introduced the Mansabdari system.

 Reason (R) : This system was borrowed from Iran.

 (A) ✔ (A) is true (R) is false

 (B) Both (A) and (R) are true, and (R) is the correct explanation of (A)

 (C) (A) is false (R) is true

 (D) Both (A) and (R) are true, but (R) is not the correct explanation of (A)

 (E) Answer not known

165. Which foreign traveller mention that “The circumference of the Vijaya Nagar city was sixty miles”

 “அர்கை என்று கூறுகிறார் கர்த்தர் அருப்பா பத்தையும்” செய்ய உரோமியின் சேரிக்கையில் பம்புயர்?

 (A) Edoardo Barbosa

 (B) Nicolo Conti

 (C) Abdur Razzaq

 (D) Damingos Poes

 (E) Answer not known
166. Assertion (A): A foreigner can practice his own religious faith in India.

Reason (R): The freedom of religion is guaranteed by the Constitution not only for the Indians but also for the foreigners.

(A) (A) is true but (R) is false
(B) Both (A) and (R) are true and (R) is correct explanation of (A)
(C) (A) is false but (R) is true
(D) Both (A) and (R) are true but (R) is not the correct explanation of (A)
(E) Answer not known

167. Indian traders sailed to the region stretching from Burma to Indonesia called

(A) Suvarnabhumī
(B) Land of silver
(C) Land of Precious stones
(D) Land of Diamond
(E) Answer not known
168. Choose the wrong statement

Survival of Indus cultural features on modern Indian society

(A) Models of cart as toys remains in India

(B) Foot-wheel pottery remains in North-west India

(C) The Indus technology of making beads from semi-precious stones remains today

(D) The citadel system of town planning remains today

(E) Answer not known

169. Alla Sani Peddana was the greatest and he was often described as

(A) Andhra Bhoja
(B) Andra Kavita - Pitamaha
(C) Hasan Gangu
(D) Gajabentakara
(E) Answer not known
170. The most famous Calligraphist at Akbar's court was Muhammad Husain Kashmiri and he was given _______ title

<table>
<thead>
<tr>
<th>Option</th>
<th>Tamil Translation</th>
</tr>
</thead>
<tbody>
<tr>
<td>(A) Zarin Qalam</td>
<td>சிற்பாசிரியர் தலாய்</td>
</tr>
<tr>
<td>(B) Abul Fazl</td>
<td>அபுல் பாடல்</td>
</tr>
<tr>
<td>(C) Ustad Ahmad</td>
<td>உச்சதை ஆஹ்மாத</td>
</tr>
<tr>
<td>(D) Abdur Rahim</td>
<td>அப்஦ுல் ராஹிம</td>
</tr>
<tr>
<td>(E) Answer not known</td>
<td>தொடர்பில் முடிவு இல்லை</td>
</tr>
</tbody>
</table>

171. Arrange the successors of Shivaji in Chronological order

| (i) Sahu – I        | சாரு – இ பொழியம் |
| (ii) Shivaji – II   | சிவாஜி – இ பொழியம் |
| (iii) Raja Ram – I  | ராஜா ராம் – இ பொழியம் |
| (iv) Sambhaji       | சம்பாஜி |
| (v) Ram Raja        | ராம் ராஜா |

<table>
<thead>
<tr>
<th>Option</th>
<th>Tamil Translation</th>
</tr>
</thead>
<tbody>
<tr>
<td>(A) (iv), (iii), (ii), (i), (v)</td>
<td>சம்பாஜி, ராஜா, சிவாஜி, சாரு, ராமாஜா</td>
</tr>
<tr>
<td>(B) (ii), (i), (v), (iii), (iv)</td>
<td>சிவாஜி, சாரு, ராமாஜா, சம்பாஜி, சிவாஜி</td>
</tr>
<tr>
<td>(C) (v), (iv), (ii), (i), (iii)</td>
<td>ராமாஜா, சம்பாஜி, சிவாஜி, சாரு, ராஜா</td>
</tr>
<tr>
<td>(D) (i), (ii), (iii), (v), (iv)</td>
<td>சாரு, சிவாஜி, சம்பாஜி, ராமாஜா, சிவாஜி</td>
</tr>
<tr>
<td>(E) Answer not known</td>
<td>தொடர்பில் முடிவு இல்லை</td>
</tr>
</tbody>
</table>
172. The agriculture department Diwan-i-Kohi was constituted by

(A) Ghiyas-ud-din Tughlak
(B) Muhammad-bin Tughlak
(C) Firoz Tughlak
(D) Ghazi Mohammad
(E) Answer not known

173. Assertion (A) : The Gupta period is rightly called the 'Golden Age' of literature and art.

Reason (R) : There was deterioration in the position of women, decline of the urban centres, increase in social disorder and subinfeudation in the later Gupta times.

(A) Both (A) and (R) are correct and (R) Explains (A)
(B) Both (A) and (R) are correct but (R) does not explains (A)
(C) Only (A) is correct
(D) Only (R) is correct
(E) Answer not known

GENERAL STUDIES-3.5.2023 94
174. The most important evidence of trade with Afghanistan comes from an isolated Harappan trading outpost at

(A) Hajjar

(C) Oman Penninsula

(E) Answer not known

(B) Shortughai

(D) Hissar

175. Until A.D. 1425 ———— served as the capital of Bhamani state.

(A) Golconda

(C) Bidar

(E) Answer not known

(B) Gulbarga

(D) Ahmednagar

176. As a renewable source, air replenishes by ———— process

(A) Respiration

(C) Climate

(E) Answer not known

(B) Weather

(D) Tides
177. Assertion (A): Recent study shows that pregnant women and the foetus can be affected indirectly by pesticides exposed in the environment.

Reason (R): The children between 0-9 years whose parent had occupational exposure to pesticides, developed Acute Lymphoblastic Anaemia [ALA].

(A) (A) is true, but (R) is false
(B) Both (A) and (R) are true and (R) is the correct explanation of (A)
(C) (A) is false but (R) is true
(D) Both (A) and (R) are true but (R) is not the correct explanation of (A)
(E) Answer not known
178. Match the relevant statements

<table>
<thead>
<tr>
<th>List I</th>
<th>List II</th>
</tr>
</thead>
<tbody>
<tr>
<td>(a) Earthquakes</td>
<td>(1) Harbour wave</td>
</tr>
<tr>
<td>(b) Soil erosion</td>
<td>(2) Measured in Richter scale</td>
</tr>
<tr>
<td>(c) Flood</td>
<td>(3) Top soil removed by running water, flowing wind or moving ice at faster rate</td>
</tr>
<tr>
<td>(d) Tsunami</td>
<td>(4) Water borne diseases</td>
</tr>
</tbody>
</table>

(A) (2) (4) (3) (1)  
(B) (3) (2) (1) (4)  
(C) (2) (4) (1) (3)  
(D) (2) (3) (4) (1)  
(E) Answer not known

179. Hindi language is belongs to

- (A) The Indo-European family
- (B) The Dravidian family
- (C) Austric family
- (D) Sino-Tibetan family
- (E) Answer not known
180. Assertion (A): Areas of high density of population in India are well watered, arable how lands of fertile soils and easy transportation.

குறிப்பிட்டு (A): என்பதால் இந்தியக் கண்டடங்கள் புற்றியில் வாழ்ந்தது. வெப்பநோட்டுவற்றும் வேளை வெள்ள நிறைந்துகொண்டு வருமதில் தோற்றிட்டு வருவாதுவரை வாழ்ந்தவர் எளிதாக வசரப்படுகின்றன.

Reason (R): High density areas also contain old settlements

கருத்து (R): என்பதால் வாழ்ந்தவர் பழுமையுடன் பெருந்தோன்றிய குட்டிப்பக்கள் வாழ்ந்தவர் எளைந்தெய்யாது.

(A) Both (A) and (R) are true and (R) is the correct explanation of (A)

(B) Both (A) and (R) are true but (R) is not correct explanation of (A)

(C) (A) is true but (R) is false

(D) (A) is false but (R) is true

(E) Answer not known

181. The world’s lightest satellite launched by India with 64 gms of weight is

64 மில்லியன் எண்ணிக்கைக்கு வெள்ள இது பெருந்தோன்றிய எண்ணிக்கை இந்தியப் பெருந்தோன்றிய எண்ணிக்கை

(A) Kalpanasat

(B) Kalamsat

(C) Kaviyansat

(D) Kesansat

(E) Answer not known
182. One of the following state do not come under ChotaNagpur Industrial Belt
(A) Jharkhand
(C) Odisha
(E) Answer not known

183. Wind Energy potentials in TamilNadu are
(i) Palghat Pass, Coimbatore
(ii) Shencottai Pass, Tirunelveli
(iii) Aralvoymozhi Pass, Kanniyakumari
(iv) Arupukottai Pass, Virudhunagar

Choose the correct one
(A) (i), (ii), (iv) 
(C) (ii), (iii), (iv) 
(E) Answer not known
184. The length of the Son River is

(A) 843 Km  
(B) 784 Km

(C) 719 Km  
(D) 900 Km

(E) Answer not known

185. The tributary which is not in connection with Kaveri

(A) Herangi  
(B) Shimsa

(C) Kabani  
(D) Kolar

(E) Answer not known

186. India signed MOU with United Nations World food programme to hand over wheat to

(A) Tajikistan  
(B) Afghanistan

(C) Pakistan  
(D) Turkmenistan

(E) Answer not known
187. The Covaxin vaccine was manufactured by which Research Laboratory?

(A) Serum Institute, Pune
(B) Bharat Biotech, Hyderabad
(C) Rajiv Gandhi Centre for Biotechnology, Trivandrum
(D) Institute of Life Sciences, Bhubaneshwar
(E) Answer not known

188. Vinisha Umasankar is related to

(A) 5G Telecommunication
(B) Waste Management
(C) Solar Ironing Cart
(D) Wind Energy Technology
(E) Answer not known

189. According to the NCRB report, 2022 _______ city is topped in drunken-drive fatalities of the year 2021.

(A) Ludhiana
(B) Chennai
(C) Delhi
(D) Mumbai
(E) Answer not known
190. Which of the following is incorrect?

<table>
<thead>
<tr>
<th>Option</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>(A)</td>
<td>(i) and (ii)</td>
</tr>
<tr>
<td>(B)</td>
<td>(i), (iii) and (iv)</td>
</tr>
<tr>
<td>(C)</td>
<td>(ii) and (iii)</td>
</tr>
<tr>
<td>(D)</td>
<td>(i) and (iii)</td>
</tr>
<tr>
<td>(E)</td>
<td>Answer not known</td>
</tr>
</tbody>
</table>

191. India also joined other nations in announcing a net zero emissions target by the year

<table>
<thead>
<tr>
<th>Option</th>
<th>Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>(A)</td>
<td>2070</td>
</tr>
<tr>
<td>(B)</td>
<td>2030</td>
</tr>
<tr>
<td>(C)</td>
<td>2050</td>
</tr>
<tr>
<td>(D)</td>
<td>2060</td>
</tr>
<tr>
<td>(E)</td>
<td>Answer not known</td>
</tr>
</tbody>
</table>

GENERAL STUDIES-3.5.2023 102
192. Assertion (A): The AMRUT 2.0 scheme has been approved till 2025-26, inorder to provide water supply and sanitation services to urban households.

Reason (R): One of the aims of Atmanirbhar Bharath is to make the cities water secure.

(A) (A) is true but (R) is false

(B) Both (A) and (R) are true and (R) is the correct explanation of (A)

(C) (A) is false but, (R) is true

(D) Both (A) and (R) are true but, (R) is not the correct explanation of (A)

(E) Answer not known
193. The third Y20 Indonesia Pre-Sommit forum on the issue of a sustainable and Livable Planet continues on 22/05/2022, Sunday with discussions on the circular economy. Based on AV. Kneese, 1988 the concept of circular economy is to

 Tamil: Y20 டுவருக்குச் செய்யப்பட்ட ஒரு மூலமைப்பு வளையம் கூடுதல்களை
விளம்போற்றும் முயன்று வளையமைப்பு கிளைய பூட்டு விளங்குகிறது அர்ப்பந்தங்களை (22/05/2022) வளை போற்று வளையமைப்பு முயன்று விளங்குகிறது அர்ப்பந்தங்களை. AV. கிளைய, 1988 அர்ப்பந்த விளங்கும் வளை விளங்குகிறது

(A) Alleviate poverty
வேதம் நீர்மப்படுத

(B) Reduce Famine
போத்தம் குறையப்படாத

(C) Enhance youth employment
முழுமையாக்கி வலையமைப்பாறாத்து வைமை

(D) Use and reuse efficiently the resources
வலையமை விளையாடும் பாப்புத்தை முயன்று மூட் வலையமை குறை

(E) Answer not known
பிரித்து நீர்மப்படுத
194. The political party founded by Shri Jayaprakash Narayan in 1977 was
(A) Praja Socialist party
(B) Bharathiya Janatha party
(C) Rashtriya Janatha dal
(D) Janatha Party
(E) Answer not known

195. Which was the last book written by Stephen Hawking?
(A) The Grand Design
(B) Brief answers to Big Questions
(C) A Brief History of time
(D) George and the Big Bang
(E) Answer not known
196. Nehru Yuva Kendra Sangathan (NYKS) was launched in
(A) 1970  (B) 1971  (C) 1972  (D) 1973  (E) Answer not known

197. A Buddhist Monastery, dating back to 2nd and 4th century A.D. was excavated at ________ city of Gujarat State by the Archaeology department
(A) Vadodra  (B) Ahmedabad  (C) Surat  (D) Vadnagar  (E) Answer not known

198. Modern Odisha was formed in the year
(A) 1932  (B) 1934  (C) 1936  (D) 1938  (E) Answer not known
199. National centre for Antarctic and Ocean Research is situated in

(A) Mumbai
(B) Goa
(C) Kochi
(D) Vizag

(E) Answer not known

200. Gram Panchayat Development Plan Award was introduced during the year

(A) 2016
(B) 2017
(C) 2018
(D) 2019

(E) Answer not known