

1. Consider the following statements: (A) Malachite ore contains magnesium. (B) Epsom salt contains calcium. Of these-

1) (A) Alone is correct  
 2) (B) Alone is correct  
 3) Both are correct  
 4) Both are wrong

2. Match the following:

a) Impulse	1) Amp-sec
b) Latent heat	2) Ohm-m
c) Charge	3) J/kg
d) Specific resistance	4) $MLT^{-1}$

	a	b	c	d
A.	3	1	2	4
B.	2	1	4	3
C.	4	3	2	1
<input checked="" type="checkbox"/> D.	4	3	1	2

3. The vector quantity among the following is:

1) Pressure  
 2) Energy  
 3) Speed  
 4) Impulse

4. Match the following:

a) Equation of continuity	1) Surface tension
b) Bernoulli's theorem	2) Viscosity
c) Capillarity	3) Conservation of energy
d) Stoke's law	4) Conservation of mass

	a	b	c	d
A.	3	1	4	2
<input checked="" type="checkbox"/> B.	4	3	1	2
C.	4	3	2	1
D.	4	1	3	2

5. When a cube of ice floating in a beaker of water melts, the level of water in the beaker-

1) Increases  
 2) Decreases  
 3) Remains the same  
 4) Increases initially but then falls down

6. In the nitrogen family, which one of the following has more metallic property?

1) Bismuth  
 2) Arsenic  
 3) Phosphorus  
 4) Nitrogen

7. The oxidation number of sulphur in  $S_8$  is:

1) 1  
 2) 2  
 3) 8  
 4) 0

8. Aluminothermic process is used in the metallurgy of which one of the following metals?

- 1) Sodium
- 2) Chromium
- 3) Potassium
- 4) Niobium

9. Where are Thylakoids found?

- 1) Chloroplast
- 2) Golgi complex
- 3) Ribosome
- 4) Endoplasmic reticulum

10. Match the following:

a) Excess vitamin A	I) Scurvy
b) Excess vitamin D	II) Keratomalacia
c) Vitamin C deficiency	III) Kidney damage
d) Vitamin A deficiency	IV) Liver poisoning

	a	b	c	d
<input checked="" type="checkbox"/> A	IV	III	I	II
B	II	I	IV	III
C	IV	II	I	III
D	II	III	IV	I

11. The target organ for the luteinizing hormone from the pituitary are-

- 1) Graafian follicle
- 2) Primordial follicle
- 3) Primary follicle
- 4) Secondary follicle

12. Arrange the following Green house gases in ascending order according to their capacity of trapping heat from the atmosphere. 1. Methane 2. Carbon-di-oxide 3. Nitrous oxide 4. Hydrocarbons

- 1) 1 2 4 3
- 2) 4 2 1 3
- 3) 2 3 4 1
- 4) 3 4 1 2

13. Find the missing number in the place of "?"

A.	3 3 4		
<input checked="" type="checkbox"/> B.	3 4 3		
C.	4 1 3		
D.	4 3 4		

14. Find the value of  $100 - (99 - (98 - (97 - (\dots - (2 - 1)))) \dots$

- 1) 30
- 2) 40
- 3) 50
- 4) 52



23.

List - I		List - II	
a) Rajaḡa		1) Elementary Tamil Grammar	
b) Dr. G V Pope		2) Swatantra party	
c) Thiru.vi-ka		3) Kudumpa vilaku	
d) Bharathidasan		4) Desabakthan	

Codes

	a	b	c	d
A.	2	3	4	1
<input checked="" type="checkbox"/> B.	2	1	4	3
C.	1	3	4	2
D.	3	4	2	1

24. Which among the following is NOT correctly matched?

- 1) Lord Hastings - Pindaris  
 2) Warren Hastings - Masterly Inactivity Policy  
 3) Dalhousie - Doctrine of Lapse  
 4) Lord Wellesly - Subsidiary System

25.

List - I		List - II	
a) Khasis		1) Assam	
b) Kukis		2) Manipur	
c) Kols		3) Chota Nagpur	
d) Khoks		4) Odisa	

Codes

	a	b	c	d
A.	1	3	2	4
B.	2	3	1	4
<input checked="" type="checkbox"/> C.	1	2	3	4
D.	1	2	4	3

26. Which one of the following is correctly matched?

- 1) E.V. Ramasamy - Alagin Sirippu  
 2) Umaru Pulavar - Revolt  
 3) Dr. Caldwell - History of Nellai District  
 4) Kavimani Desigavi Nayagam Pillai - Seerapuram

27. Consider the following statements. I. Henry Vivian Derozio started the young Bengal movement. II. Veeresalingam started the social reform association. III. Ishwar Chandra Vidyasagar established Servants of India society. IV. The Theosophical society was established in the year 1885. Of these statements.

- 1) I, II and III are correct  
 2) I and II are correct  
 3) I alone is correct  
 4) All are correct

28. The Britishers established their first museum in Madras Presidency at \_\_\_\_\_.

- 1) Madras  
 2) Golconda  
 3) Travancore  
 4) Hyderabad

29. Match List - I with List - II, of birth of the political parties given below. Choose the correct answer using the codes

List - I		List - II	
a) Janata Party		1) 1924	
b) Communist Party of India		2) 1949	
c) Dravida Munnetra Kazhagam		3) 1972	
d) All India Anna Dravida Munnetra Kazhagam		4) 1977	

Codes:

	a	b	c	d
A	2	1	4	3
B	3	2	1	4
<input checked="" type="checkbox"/> C	4	1	2	3
D	1	4	3	2

30. Which of the following is correctly matched? I. Financial Emergency - Art 366 II. Emergency due to war - Art 352 III. Failure of Constitutional machinery of the States - Art 360 IV. Failure due to armed rebellion - Art 356

- 1) I  II  
 3) III 4) IV

31. Match the following states and their years of coming into being as states.

State	Year
a) Himachal Pradesh	I) 1971
b) Manipur	II) 1960
c) Kerala	III) 1970
d) Maharashtra	IV) 1956

	a	b	c	d
A.	I	II	III	IV
<input checked="" type="checkbox"/> B.	III	I	IV	II
C.	IV	I	II	III
D.	III	II	IV	I

32. Judicial Activism refers to-  
 Expansion of jurisdiction of courts 2) Loss of jurisdiction of courts  
 3) Activity of Judges 4) Orders issued by the courts

33. PIL is the litigation undertaken for the purpose of redressing. A) Public injury B) Enforcing public duty C) Protecting social rights D) Vindicating public interest  
 Choose the correct options

- 1) Only (A) and (B) are true 2) Only (B) and (C) are true  
 3) (A), (B) and (C) only are true  (A), (B), (C) and (D) only are true

34. Assertion (A): The phrase 'equal protection of laws' is a positive concept. Reason (R) : The phrase 'equality before law' is a negative concept.

- 1) Both (A) and (R) are correct and (R) explains (A)  Both (A) and (R) are correct, but (R) is NOT the correct explanation of (A)  
 3) (A) is correct but (R) is incorrect 4) (A) is incorrect but (R) is correct



41. Match the schedules with the subject they deal with.

Schedule	Subject
A) Eighth	I) Municipalities
B) Tenth	II) Panchayati Raj
C) Eleventh	III) Languages
D) Twelfth	IV) Anti-defection law

	A	B	C	D
<input checked="" type="checkbox"/> A	III	IV	II	I
B	III	IV	I	II
C	III	I	II	IV
D	III	II	I	IV

42. What is the sectoral growth rate of service sector during Tenth plan?

- 1) 7.87 %  
 2)  9.28 %  
 3) 10.12 %  
 4) 13.50 %

43. The Planning Commission of India recently announced the poverty use as- A) ₹ 42 per person per day for urban area. B) ₹ 26 per person per day for rural area. C) ₹ 32 per person per day for urban area. D) ₹ 32 per day per person for rural areas.

- 1) A and C  
 2)  B and C  
 3) A and D  
 4) C and D

44. Disinvestment is the process in rough which privatisation could take place.

- True  
 2) False  
 3) True in some situations  
 4) All of these

45. More than 90% of the coal production in India is of-

1) Coking coal  
 2)  Non-coking coal  
 3) Turbine oil  
 4) None of these

46. Net capital in flow is the difference between-

- Net domestic capital formation and net domestic savings  
 2) Gross capital formation and gross savings  
 3) Net export and net import  
 4) None of these

47. State the order of the appointment of the following as Chairman of Finance Commission. A) K.C. Neogy b) K. Brahmanand Reddy c) N.K.P. Salve d) A.K. Chand

- 1) a, c, b, d  
 2)  a, d, b, c  
 3) a, c, d, b  
 4) a, b, d, c

48. During the Tenth Five Year Plan some of the following things were experienced: I. Service sector witnessed the highest growth rate II. Agriculture experienced the lowest growth rate III. Rate of growth in the industrial sector was negative. Which of the above said statements are correct?

- 1) I and III are correct  
 2)  I and II are correct  
 3) II and III are correct  
 4) I, II, III are correct

49. According to the provisional figure for 2011 census, which of the following states has the lowest child sex ratio?
- 1) Haryana  
 2) Uttar Pradesh  
 3) Kerala  
 4) Jammu and Kashmir
50. Find the odd one out from the following.
- 1) Have lock  
 2) Out ram  
 3) Neil  
 4) Godeheau
51. When was Subhas Chandra Bose elected as the President of the National Congress for the first time?
- 1) 1941  
 2) 1939  
 3) 1938  
 4) 1940
52. The word "Swadeshi" was first used by-
- 1) Swami Dayanand  
 2) Swami Vivekananda  
 3) M.G. Ranade  
 4) G.V. Joshi
53. D. Rungiah Naidu and P. Ananda Charlu organised \_\_\_\_\_.
- 1) The Madras Mahajana Sabha  
 2) Madras Native Association  
 3) Dharma Sanga Nesavuchalai  
 4) The Hindu Mahasabha
54. The first Indian National Congress leader who suggested Hindi should be the National Language of India was \_\_\_\_\_.
- 1) B.G. Tilak  
 2) Gandhiji  
 3) Jawaharlal Nehru  
 4) Sardar Vallabhai Patel
55. How many states agreed to incorporate themselves with India on 13 August 1947?
- 1) 135  
 2) 136  
 3) 137  
 4) 142
56. An amount of ₹ 9000 is to be divided among A, B and C in the proportion of 2:3:5. Then the amount C gets more than that of A is:
- 1) ₹ 2000  
 2) ₹ 3000  
 3) ₹ 2500  
 4) ₹ 2700
57. The difference between simple Interest and compound Interest for 2 years at 5% is ₹ 225. Find the sum.
- 1) ₹ 45,000  
 2) ₹ 90,000  
 3) ₹ 95,000  
 4) ₹ 80,000
58. The surface area of a cube is 2400 sq.cm. Then its volume is :
- 1) 6000 cm<sup>3</sup>  
 2) 8000 cm<sup>3</sup>  
 3) 7200 cm<sup>3</sup>  
 4) 9600 cm<sup>3</sup>





65. An alloy contains copper and zinc in the ratio of 5 : 4 and another alloy contains copper and tin in the ratio of 8 : 5. If equal amount of both the alloys are melted together, find the weight of tin in the resulting alloy per kg.
- ✓ 1) 192.3  
3) 186.5
- 2) 173.8  
4) 187.8
66. A sum of money doubles itself at compound interest in 10 years. The number of years in which the amount becomes four times is:
- 1) 10  
✓ 2) 20
- 2) 40  
4) 30
67. A shopkeeper gives a discount of 10% on the marked price of a watch but he gains 10%. If the marked price is ₹ 330, what is the cost price?
- ✓ 1) ₹ 270  
3) ₹ 280
- 2) ₹ 300  
4) ₹ 250
68. A copper sphere of diameter 18 cm is drawn into a wire of diameter 18 cm. Then the length of the wire is:
- ✓ 1) 12 cm  
3) 20 cm
- 2) 18 cm  
4) 14 cm
69. In a competitive examination, a student scores 2 marks for every correct answer and loses 1 mark for every wrong answer. If he attempts all 50 questions and scores 70 marks, the number of questions he attempts correctly is:
- 1) 10  
✓ 2) 40
- 2) 30  
4) 45
70. A \_\_\_\_\_ is the collection of fields.
- 1) Data  
3) Dataware house
- 2) Database  
✓ 4) Record
71. Virtual classroom is the online learning spece meant for-
- ✓ 1) Learning from home using computers through internet  
3) Listening to pre-recorded audio comments to enhance knowledge
- 2) Working from home and then learning  
4) Going to school and learning
72. In Tamil Nadu, the Plan Expenditure for 2014-15 has been set at-
- 1) ₹ 32185 crore  
✓ 2) ₹ 42185 crore
- 2) ₹ 52185 crore  
4) ₹ 65185 crore
73. Who is the Director General of WTO?
- ✓ 1) Roberto Azevedo  
3) Paul Krugman
- 2) Ulrich Spiesshofer  
4) Paul Samuelson
74. 163 year old India's Telegram service had come to an end in-
- 1) June 2013  
3) January 2013
- ✓ 2) July 2013  
4) August 2013
75. Where was WTO's 9th ministerial conference held?
- 1) Delhi, India  
3) Manila, Philippines
- ✓ 2) Bali, Indonesia  
4) Colombo, Srilanka

76. **Nirbheek means-**  
 1) India's first gun for women  
 2) China based satellite  
 3) Anti biotic medicine  
 4) Indian satellite
77. **Who was the Chief Guest at India's 65th Republic Day celebrations?**  
 1) Jigme Khesar  
 2) Mr. Shinzo Abe  
 3) Angela Merkel  
 4) Yingluck Shinawatra
78. **The first woman head of National Police Academy in 65 years of Indian history-**  
 1) Ms. Janet Yellen  
 2) Ms. Aruna Bahuguna  
 3) Ms. Arundhati Battacharya  
 4) Ms. Nisha Desai
79. **Which country is NOT the worst contribution of Global warming?**  
 1) China  
 2) Russia  
 3) India  
 4) Srilanka
80. **28th member of the European union in 2013 is:**  
 1) Croatia  
 2) Bulgeria  
 3) Turkey  
 4) Uruguay
81. **In the latest annual ranking (Jan 2014), \_\_\_\_\_ tops IT outsourcing location in the world.**  
 1) London  
 2) New York  
 3) Dublin  
 4) Bengaluru
82. **The first Indian President to visit Bangladesh is:**  
 1) Mr. Radha Krishnan  
 2) Mr. K. Narayanan  
 3) Mr. A.P.J Abdul Kalam  
 4) Mr. Pranab Mukherjee
83. **Where the United Nations court has defined the maritime boundary between peru and chile?**  
 1) Geneva  
 2) Hague  
 3) Colombo  
 4) Juba
84. **Who is the author of the famous book "Playing to win"?**  
 1) Saina Nehwal  
 2) Aditya Joshi  
 3) Stanislas Wawrinka  
 4) Monica Seles
85. **Sahitya Academi winner 2013 Mr. Chinu Modi is a-**  
 1) Gujarati poet  
 2) Bengali poet  
 3) Punjabi poet  
 4) Telugu poet
86. **The Chief Guest at India's 65th Republic Day Celebration is:**  
 1) Shinzo Abe  
 2) Richard Quest  
 3) Janet Yellen  
 4) Wang Chuck
87. **The world's newest state is:**  
 1) Tunisia  
 2) Syria  
 3) South Sudan  
 4) Estonia

88. **March 15 is observed as-**  
 1) World day for water  
 2) World Forestry Day  
 3) International Women's Day  
 4) World Consumer Rights Day
89. **Who is the President of Ukraine?**  
 1) Viktor Yanukovich  
 2) Justin Bieber  
 3) Erdogan  
 4) Mykola Azarov
90. **After 18 years of negotiations, which country joins the World Trade Organisation?**  
 1) Russia  
 2) Italy  
 3) Germany  
 4) Holland
91. **The first Indian Chief of Naval Staff who resigned from his office during service in the year 2014 was-**  
 1) Admiral Suresh Mehta  
 2) Admiral Arun Prakash  
 3) Admiral Devendra Kumar Joshi  
 4) Admiral Sushil Kumar
92. **The principal energy currency of the cell is:**  
 1) NADP  
 2) FAD  
 3) ATP  
 4) ADP
93. **Which of the following is a saprophyte?**  
 1) Cuscuta  
 2) Venus flytrap  
 3) Santalum  
 4) Agaricus
94. **An important constituent of proteins, nucleic acids, porphyrins and alkaloids is**  
 1) Mg  
 2) N  
 3) S  
 4) Ca

95. Match the local winds with their type

I) Norwester	a) Convection wind
II) Bora	b) Hot wind
III) Dust Devil	c) Depression wind
IV) Gibli	d) Cold wind

	I	II	III	IV
A.	b	d	a	c
B.	d	a	c	b
C.	a	c	d	b
D.	c	d	b	a

96. **The Salinity of Black Sea is relatively low due to-**  
 1) Less rate of evaporation  
 2) Low rainfall  
 3) Fastly blowing wind  
 4) Fresh water from many rivers
97. **Consider the following statements: I. Black soil is found around the rocks like Gneiss and Granite II. Black soil is produced in the drought prone regions. Which of the two statements is/are correct?**  
 1) I only  
 2) II only  
 3) Both  
 4) None

98. Which of the following statements about Tropical Evergreen Forests are correct? I. Forests are found in areas receiving more than 150 cms of rainfall annually. II. Forests are less dense and easily accessible III. Trees are multi layered IV. Trees shed their leaves during dry season

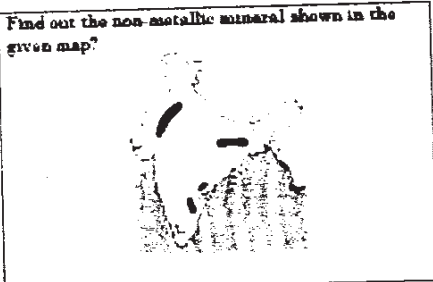
1) I and IV

I and III

2) II and IV

4) III and IV

99. Find out the non-metallic mineral shown in the given map?



A	Limestone
<input checked="" type="checkbox"/>	Mica
C	Diamond
D	Gypsum

100. Consider the given map. Match List I with List II

List - I	List - II
I	1) Godavari
II	2) Cauveri
III	3) Narmada
IV	4) Tapti



	I	II	III	IV
A.	2	4	3	1
<input checked="" type="checkbox"/> B.	3	4	1	2
C.	1	3	4	2
D.	3	2	1	4