

# TNPSC

## GROUP I PRELIMS - 2015

1. Match the following :

- |                 |   |
|-----------------|---|
| (a) Krebs cycle | 1. Occurs in cytoplasm                    |
| (b) Ubuquinone  | 2. Diffuse from cytoplasm to mitochondria |
| (c) Glycolysis  | 3. Mobile carrier                         |
| (d) Acetyl-CoA  | 4. Occurs in mitochondrial matrix         |

- |              |          |          |          |
|--------------|----------|----------|----------|
| (a)          | (b)      | (c)      | (d)      |
| <b>(A) 4</b> | <b>3</b> | <b>1</b> | <b>2</b> |
| (B) 3        | 1        | 4        | 2        |
| (C) 1        | 4        | 2        | 3        |
| (D) 4        | 1        | 3        | 2        |

2. The purines present in nucleic acids are :

- I. Adenine and Cytosine  
 II. Guanine and Thymine  
 III. Adenine and Guanine  
 IV. Cytosine and Uracil
- (A) IV **(B) III**  
 (C) II (D) I

3. Find out the correct match/es :

- I. Enzymes - Biological catalysts  
 II. DNA - Nucleic acid  
 III. Insulin - Hormone  
 IV. Vitamin E - Water soluble vitamin
- (A) II only (B) I only  
 (C) I, II and IV **(D) I, II and III**

4. The number of generalized co-ordinates required to describe the position of a simple pendulum is

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

5. If  $g$  is the acceleration due to gravity and  $R$  is the radius of the earth, then escape velocity is given by the relation

- (A)  $V_e = \sqrt{2g}$  (B)  $V_e = 2\sqrt{g}$   
**(C)  $V_e = \sqrt{2Rg}$**  (D)  $V_e = 2\sqrt{Rg}$

6. The relation connecting Young's modulus ( $E$ ), Bulk modulus ( $K$ ) and Rigidity modulus ( $N$ ) is

- (A)  $\frac{9}{E} = \frac{3}{N} + \frac{1}{K}$**  (B)  $\frac{9}{N} = \frac{3}{E} + \frac{1}{K}$   
 (C)  $\frac{9}{N} = \frac{1}{E} + \frac{3}{K}$  (D)  $\frac{9}{E} = \frac{1}{N} + \frac{3}{K}$

7. The S.I unit of gravitational constant  $G$  is

- (A)  $N\ kg^{-2}$  (B)  $Nm\ kg^{-1}$   
 (C)  $Nm^2\ kg^{-1}$  **(D)  $Nm^2\ kg^{-2}$**

8. Choose the correct answer :

The itai-itai disease of Japan was caused due to

- I. Arsenic pollution  
 II. Cyanide pollution  
 III. Cadmium pollution  
 IV. Lead pollution
- (A) I and II (B) II and III  
**(C) III only** (D) IV only

9. Match the following :

- |                  |  |
|------------------|--|
| (a) Sericulture  | 1. Farming of aquatic organisms        |
| (b) Horticulture | 2. Culture of honey bees               |
| (c) Aquaculture  | 3. Rearing of silk worms               |
| (d) Apiculture   | 4. Cultivation and maintaining gardens |
- |              |          |          |          |
|--------------|----------|----------|----------|
| (a)          | (b)      | (c)      | (d)      |
| <b>(A) 3</b> | <b>4</b> | <b>1</b> | <b>2</b> |
| (B) 2        | 3        | 4        | 1        |
| (C) 1        | 2        | 3        | 4        |
| (D) 4        | 3        | 2        | 1        |

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- 10.** Expand FAT
- |                                  |              |          |          |          |
|----------------------------------|--------------|----------|----------|----------|
|                                  | (a)          | (b)      | (c)      | (d)      |
| (A) First Allocation Type        | (A) 1        | 2        | 4        | 3        |
| (B) File Allocation Type         | (B) 1        | 2        | 3        | 4        |
| (C) First Allocation Table       | (C) 3        | 2        | 4        | 1        |
| <b>(D) File Allocation Table</b> | <b>(D) 4</b> | <b>2</b> | <b>1</b> | <b>3</b> |
- 11.** Which of the following is used to store large amounts of data?
- (A) Primary memory  
**(B) Auxiliary storage**  
 (C) Cache memory  
 (D) Random access memory
- 12.** Give the value of Terabyte.
- (A)  $2^{10}$     (B)  $2^{20}$     (C)  $2^{30}$     **(D)  $2^{40}$**
- 13.** 'Bluetooth' technology is
- (A) Satellite communication  
 (B) Wired communication between devices  
**(C) Wireless communication between devices**  
 (D) communication between landline to mobile phone
- 14.** The plant type which colours the ocean surface water red is
- (A) **Dinoflagellates**  
 (B) Golden algae  
 (C) Green algae  
 (D) Red algae
- 15.** Match List I with List II and select the correct answer :
- | List I (Climate)                                  | List II (Reason)                   |
|---|------------------------------------|
| (a) Chennai is warmer                             | 1. Distance from Sea than Kolkatta |
| (b) Snowfall in Himalayas                         | 2. Altitude                        |
| (c) Rainfall decreases from West Bengal to Punjab | 3. Western Disturbance             |
| (d) Winter Rainfall                               | 4. Latitude                        |
- 16.** Which of the following is not a planetary wind?
- (A) Westerlies  
 (B) Trade winds  
**(C) Monsoon**  
 (D) Polar easterlies
- 17.** The place of India which does not have tropical evergreen forest is
- (A) Eastern part of Western Ghats**  
 (B) Western part of Western Ghats  
 (C) Andhaman and Nicobar islands  
 (D) Eastern part of subtropical Himalayas
- 18.** Consider the following statements and choose the correct answer from the given options.
- I. Shompens is a tribal inhabitant of Nicobar Island.  
 II. As per 2011 census, their population is 229.
- (A) I only true  
 (B) II only true  
**(C) I and II are true**  
 (D) I and II are false
- 19.** Choose the correct sequence of the following using the codes given below :
- I. Qutbuddin Aibak, Iltutmish, Raziya, Balban  
 II. Jahangir, Humayun, Akbar, Shahjahan  
 III. Balaji Voswanath, Balaji Baji rao, Baji Rao I, Shivaji
- (A) I and II only                      (B) II and III only  
**(C) I only**                                (D) III only

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20. Which of the following were among the main exports of Indus valley people. Select the correct answer from the codes given below :

- I. Wheat  
 II. Barley  
 III. Cotton  
 IV. Gold
- (A) I, II and III                      (B) II and III  
**(C) I and II**                              (D) III and IV

21. Match List I with List II correctly and select answer :

- | List I                  |  | List II |  |
|-------------------------|--|---------|--|
| (a) Santhal's Rebellion |  | 1. 1923 |  |
| (b) Maplah Rebellion    |  | 2. 1929 |  |
| (c) Vizag Revolution    |  | 3. 1921 |  |
| (d) Bardoli Satyagraha  |  | 4. 1855 |  |
| (a) (b) (c) (d)         |  |         |  |
| (A) 1 3 2 4             |  |         |  |
| (B) 4 1 2 3             |  |         |  |
| <b>(C) 4 3 1 2</b>      |  |         |  |
| (D) 2 3 1 4             |  |         |  |

22. Match List I with List II correctly and select answer :

- | List I             |  | List II              |  |
|--------------------|--|----------------------|--|
| (a) Dupleix        |  | 1. Nawab of Bengal   |  |
| (b) Anwar-ud-din   |  | 2. British Admiral   |  |
| (c) Shuja-ud-Daula |  | 3. French Governor   |  |
| (d) Pollock        |  | 4. Nawab of Carnatic |  |
| (a) (b) (c) (d)    |  |                      |  |
| (A) 3 2 4 1        |  |                      |  |
| (B) 1 2 3 4        |  |                      |  |
| <b>(C) 3 4 1 2</b> |  |                      |  |
| (D) 1 3 4 2        |  |                      |  |

23. Match List I with List II of the following with suitable options :

- | List I             |  | List II      |  |
|--------------------|--|--------------|--|
| (a) Kural          |  | 1. Rishabham |  |
| (b) Thutham        |  | 2. Shadjam   |  |
| (c) Kaikilai       |  | 3. Madhyamam |  |
| (d) Vuzhai         |  | 4. Gandharam |  |
| (a) (b) (c) (d)    |  |              |  |
| <b>(A) 2 1 4 3</b> |  |              |  |
| (B) 1 2 3 4        |  |              |  |
| (C) 1 3 2 4        |  |              |  |
| (D) 4 2 3 1        |  |              |  |

24. Match List I with List II of the following with suitable options :

- | List I             |  | List II                   |  |
|--------------------|--|---------------------------|--|
| (a) Brahmanas      |  | 1. Forest Texts           |  |
| (b) Sama veda      |  | 2. Guide Book for Priests |  |
| (c) Aranyakas      |  | 3. Ritual Texts           |  |
| (d) Yajur Veda     |  | 4. Book of Chants         |  |
| (a) (b) (c) (d)    |  |                           |  |
| (A) 4 3 1 2        |  |                           |  |
| <b>(B) 3 4 1 2</b> |  |                           |  |
| (C) 3 1 4 2        |  |                           |  |
| (D) 1 2 3 4        |  |                           |  |

25. Which of the following is/are not correct? Minto-Morley reforms of 1909 introduced the following.

- I. The system of direct election was introduction in provinces  
 II. The act did not enfranchise women  
 III. It introduced dyarchy in provinces  
 IV. Communal electorate was introduced
- (A) I only  
**(B) I and III**  
 (C) II and III  
 (D) III only

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- 26.** Who bestowed the title Sardar on Vallabhai Patel?
- (A) Dadabhai Naoroji  
(B) Jawaharlal Nehru  
**(C) Mahatma Gandhi**  
(D) Rajendra Prasad
- 27.** During 1857 revolt which army remained loyal to the British?
- (A) Bombay Army  
(B) Bengal Army  
**(C) Madras Army**  
(D) Avadh Army
- 28.** Pick out the wrong statement.
- (A) Veerappa, the Zamindar of Koppal rose against the Nizam of Hyderabad in 1819  
(B) Gadkaris were military classes who garrisoned Maratha forts  
(C) Chakra Bisoi was the khonds leader  
**(D) Sindhu and Kanhu were the leaders of the Kols**
- 29.** Match the following :
- |                                   |         |  |
|-----------------------------------|---------|--|
| (a) Simon Commission              | 1. 1928 |  |
| (b) Nehru Report                  | 2. 1932 |  |
| (c) Second Round Table Conference | 3. 1927 |  |
| (d) Communal Award                | 4. 1931 |  |
- (a) (b) (c) (d)
- (A) 1 4 3 2  
**(B) 3 1 4 2**  
(C) 3 1 2 4  
(D) 2 4 1 3
- 30.** Identify the statement, which is not the cause for the failure of Quit India Movement
- (a) British Government arrested key leaders in anticipation to the movement  
(b) Nehru and Rajaji disbelieved in Direct Action  
**(c) Hindu Mahasabha and Muslim League supported the movement**  
(d) British Government suppressed the movement
- (A) (a) alone  
(B) (a) and (b) alone  
(C) (c) alone  
(D) (a), (b) and (d) alone
- 31.** Among the 50 students in a class, what percentage of students like biology and chemistry?
- | Subjects         | No. of students |
|------------------|-----------------|
| Mathematics      | 6               |
| Physics          | 12              |
| Chemistry        | 15              |
| Biology          | 8               |
| Computer science | 9               |
- (A) 64% **(B) 46%**  
(C) 23% (D) 77%
- 32.** For any n observations of data, what is the value of  $(\sum x) - n\bar{x}$  ?
- (A)  $n(\sum x)$  (B)  $(n - 2)\bar{x}$   
(C)  $(N - 1)\bar{x}$  **(D) 0**
- 33.** Simplify :  $\frac{0.728 \times 0.728 - 0.272 \times 0.272}{0.456}$
- (A) 0.456 **(B) 1**  
(C) 0.728 (D) 0.272

34. If  $\frac{x}{y} = \frac{3}{5}$ , then  $\frac{5x+2y}{5x-2y}$  is equal to  
 (A) 3 (B) 5 (C)  $\frac{2}{5}$  (D)  $\frac{5}{2}$
35. A person's present age is two-fifth of the age of his mother. After 8 years, he will be one half of the age of his mother. How old is the mother at present?  
 (A) 42 (B) 40 (C) 45 (D) 48
36. Find the value of  $\frac{1.2 \times 1.2 \times 1.2 - 0.2 \times 0.2 \times 0.2}{1.2 \times 1.2 + 1.2 \times 0.2 + 0.2 \times 0.2}$   
 (A) 1.2 (B) 1 (C) 0.2 (D) 1.4
37. A bicycle marked at Rs. 1,500 is sold for Rs. 1,350. What is the percentage of discount?  
 (A) 12 (B) 15 (C) 11 (D) 10
38. Which one of the following is the smallest ratio?  
 7 : 13, 17 : 25, 7 : 15, 15 : 23  
 (A) 7 : 13 (B) 17 : 25  
 (C) 7 : 15 (D) 15 : 23
39. In a mixture of 60 litres, the ratio of milk and water is 2 : 1. If this ratio is to be 1 : 2, then what is the quantity of water to be further added?  
 (A) 20  $\tau$  (B) 30  $\tau$  (C) 50  $\tau$  (D) 60  $\tau$
40. Two numbers are in the ratio 3 : 5. If 9 be subtracted from each, then they are in the ratio 12 : 23. Find the second number  
 (A) 52 (B) 53 (C) 54 (D) 55
41. Sum of squares of three positive numbers is 608 and they are in the ratio 2 : 3 : 5. Then, find the numbers  
 (A) 6, 9, 15 (B) 8, 12, 20  
 (C) 10, 15, 25 (D) 14, 21, 35
42. If 30% of A = 0.25 of B =  $\frac{1}{5}$  of C, then find the ratio A : B : C  
 (A) 15 : 12 : 10 (B) 12 : 15 : 10  
 (C) 10 : 12 : 15 (D) 10 : 15 : 12
43. What is the third proportional to 0.34 and 0.50?  
 (A) 0.74 (B) 0.75  
 (C) 0.76 (D) 0.77
44. In a cylinder, if radius is doubled and height is halved then what happens to the curved surface area?  
 (A) Halved  
 (B) Doubled  
 (C) Does not change  
 (D) Four times
45. The length of side of a rhombus is 5 m and one of its diagonal is 8 m. Then what is the length of other diagonal?  
 (A) 5 m (B) 7 m (C) 6 m (D) 8 m
46. A, B and C can complete a piece of work in 24, 6 and 12 days respectively. If they work together, in how many days they will complete the same work?  
 (A) 1/24 day (B) 7/24 day  
 (C) 24/7 days (D) 24/11 days



47. 12 men complete the 2400 sq.m ploughing work in 10 days. How many men are required to complete 3600 sq.m ploughing work in 18 days?  
**(A) 10 men** (B) 15 men  
 (C) 18 men (D) 20 men
48. 2 men and 7 boys can do a piece of work in 14 days, 3 men and 8 boys can do the same in 11 days. In how many days, 3 times the work can be completed by 8 men and 6 boys?  
**(A) 21 days** (B) 18 days  
 (C) 24 days (D) 36 days
49. The length, breadth and height of a hall are 8 m, 10 m, 4 m respectively and the hall has one door of area 3 m x 1.5 m. Find the cost of painting the walls at the rate of Rs. 200 per square metre.  
 (A) Rs. 28,800 (B) Rs. 59,900  
**(C) Rs. 27,900** (D) Rs. 60,800
50. If the capacity of a cylindrical tank is 1848 m<sup>3</sup> and the diameter of its base is 14 m, then find the depth of the tank?  
**(A) 12 m** (B) 14 m (C) 15 m (D) 18 m
51. The length of a chain used as the boundary of a semicircular park is 72 m. What is the area of the park?  
 (A) 77 m<sup>2</sup> (B) 91 m<sup>2</sup>  
**(C) 126 m<sup>2</sup>** (D) 308 m<sup>2</sup>
52. Find the least number which when divided by 5, 6, 7 and 8 leaving a remainder 3, but when divided by 9 leaves no remainder.  
 (A) 1677 **(B) 1683**  
 (C) 2523 (D) 3363
53. Find the next number in the following series  
 4, 6, 9, 13 $\frac{1}{2}$   
**(A) 20 $\frac{1}{4}$**  (B) 22 $\frac{3}{4}$  (C) 19 (D) 17 $\frac{1}{2}$
54. Consider the following statements :  
 Assertion (A) : Scholars distinguished a culture midway between Palaeolithic and Neolithic called Mesolithic  
 Reason (R) : The chief characteristics mesolithic were the stone implements used were extremely small and made up of Chalcedony and silicate instead of quartzite.  
 Select your answer according to the coding scheme below :  
 (A) Both (A) and (R) are false  
 (B) Both (A) and (R) are true but (R) is not the explanation for (A)  
**(C) Both (A) and (R) are true and (R) is the correct explanation for (A)**  
 (D) (A) is true but (R) is false
55. Match the following :  
 (a) Na and K 1. Obtained by electrolysis of fused salt  
 (b) Cu and Ag 2. Occur only in native state  
 (c) Au and Pt 3. Occur both native and combined state  
 (d) Na and Ca 4. Reducing agent in metallurgy  
 (e) Al and Mg 5. Occur only in combined state.  
**(A) (a) - 5 (b) - 3 (c) - 2 (d) - 1 (e) - 4**  
 (B) (a) - 4 (b) - 1 (c) - 2 (d) - 3 (e) - 4  
 (C) (a) - 2 (b) - 3 (c) - 5 (d) - 4 (e) - 1  
 (D) (a) - 3 (b) - 2 (c) - 1 (d) - 5 (e) - 4

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56. Which of the following is/are wrong?

- I.  $Mg_2C_3$  on hydrolysis gives acetylene  
 II.  $Be_2C$  on hydrolysis gives methane  
 III.  $Al_4C_3$  on hydrolysis gives allylene  
 (A) I and II (B) II and III  
**(C) I and III** (D) I, II and III

57. For the Daniel cell  $E^0 = 1.10$  V. The value of equilibrium constant (K) for the reaction (at 298 K) is

- $$Zn_{(s)} + Cu_{(aq)}^{2+} \rightarrow Zn_{(aq)}^{2+} + Cu_{(s)}$$
- (A)  $4.36 \times 10^{39}$  (B)  $2.79 \times 10^{41}$   
 (C)  $6.53 \times 10^{35}$  **(D)  $1.55 \times 10^{37}$**

58. Agricultural unemployment may be classified into

- I. Seasonal unemployment  
 II. Disguised unemployment  
 III. Chronic unemployment  
 Which is the correct answer?

- (A) I and II only  
 (B) II and III only  
 (C) I and III only  
**(D) I, II and III**

59. Fill up the blanks :

National population policy adopted in 2000 with a view to encourage \_\_\_\_\_ and aim at stabilizing the population by \_\_\_\_\_.

- (A) Two child norm, 2020  
 (B) One child norm, 2030  
**(C) Two children norm, 2046**  
 (D) One child norm, 2030

60. Match the following and select the correct answer

- |                          |                                    |
|--------------------------|------------------------------------|
| (a) Tax revenue          | 1. Provident funds                 |
| (b) Capital receipts     | 2. Taxes on income and expenditure |
| (c) Non-plan expenditure | 3. Sales tax                       |
| (d) Value added tax      | 4. Interest payments               |
- |            |          |          |          |          |
|------------|----------|----------|----------|----------|
|            | (a)      | (b)      | (c)      | (d)      |
| (A)        | 4        | 3        | 2        | 1        |
| (B)        | 1        | 3        | 4        | 2        |
| <b>(C)</b> | <b>2</b> | <b>1</b> | <b>4</b> | <b>3</b> |
| (D)        | 2        | 3        | 4        | 1        |

61. The National Statistical Commission of India was headed by

- (A) Monteck Singh Ahluwalia  
**(B) C. Rengarajan**  
 (C) Raghuram Rajan  
 (D) V. K. R. V. Rao

62. The structure of Indian Financial System does not include

- (A) Industrial finance  
 (B) Agricultural finance  
 (C) Development finance  
**(D) Deficit finance**

63. The MGNREGS differs from other poverty alleviation measures in the following respects

- I. It focuses on income generation to the targeted poor.  
 II. It is built around the notions of citizenship and entitlement.  
 III. It facilitates disclosure by means of regular and social audit.  
 IV. It operates as per the directions of the State/Central Governments.
- (A) I and II **(B) II and III**  
 (C) I and IV (D) II and IV

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64. Justice D.P. Wadhwa committee was appointed by the Supreme Court to examine
- (A) Insurance schemes  
(B) The level of black money in the country  
(C) The functioning of rural development programmes  
**(D) The Public Distribution System**
65. The Nutrient Based Subsidy (NBS) policy for fertilizers was implemented in India in
- (A) 1966 (B) 1977  
(C) 1991 **(D) 2010**
66. Which Indian city has been declared as the cleanest city in the 'Swachh Bharat' ranking 2015?
- (A) Kochi  
(B) Thiruvananthapuram  
(C) Bengaluru  
**(D) Mysuru**
67. Who is the chairman of the 20<sup>th</sup> law commission of India?
- (A) Justice. Ajit Prakash Shah**  
(B) Justice. Srikrishna  
(C) Justice. Katju  
(D) Justice. K. Balakrishnan
68. Recently Union Government has decided to develop a city as spiritual capital of the country. Which among the following is this city?
- (A) Ujjain (B) Varanasi  
(C) Nasik **(D) Bodhgaya**
69. India's largest telecom operator is
- (A) TATA **(B) Bharati Airtel**  
(C) Reliance (D) Aircel
70. Which corporation in Tamil Nadu was awarded the best corporation award for the year 2015?
- (A) Chennai (B) Vellore  
**(C) Madurai** (D) Tirunelveli
71. Every year 13<sup>th</sup> of August is observed as
- (A) Voluntary Blood donation day  
(B) World Hepatitis day  
(C) Swachh Bharat day  
**(D) Organ donation day**
72. 'International Day of the Disappeared' observed by United Nations Organization every year falls on
- (A) November 30  
(B) December 26  
**(C) August 30**  
(D) October 25
73. The President of Sri Lanka as on June 2015
- (A) Maithripala Sirisena**  
(B) Ravi Karunanayake  
(C) Mahinda Samarasinghe  
(D) Mahinda Amaraweera
74. Sunhak Peace Prize was won by
- (A) Ms. Zhanna Nemtsova  
(B) Zaina Erhain  
**(C) Dr. Modadugu Vijay Gupta**  
(D) Mr. Zia Haider Rahman
75. Which gas has been recently discovered in planet mars?
- (A) Hydrogen Sulphide (B) Ammonia  
**(C) Methane** (D) Ethane



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76. Which Indian Temple was awarded 'Award of Excellence' for conservation by UNESCO in the year 2015, in Bangkok?
- (A) Guruvayoor Temple, Guruvayoor  
**(B) Vadakkunnathan Temple, Thrissur**  
 (C) Padmanabhaswamy Temple, Trivandrum  
 (D) Tirumala Temple, Tirupati
77. Which country devalued its own currency in August 2015?
- (A) India (B) Japan  
 (C) Germany **(D) China**
78. The 50<sup>th</sup> Anniversary of 1965 Indi- Pak war was observed on
- (A) 27 August 2015  
 (B) 30 July 2015  
 (C) 30 August 2015  
**(D) 28 August 2015**
79. Match the Android OS versions with their names:
- | OS version      | Name     |          |          |    |
|-----------------|----------|----------|----------|----|
| (a) Android 6.0 | 1.       | 2.       | 3.       | 4. |
| (b) Android 5.0 | 1.       | 2.       | 3.       | 4. |
| (c) Android 4.4 | 1.       | 2.       | 3.       | 4. |
| (d) Android 4.3 | 1.       | 2.       | 3.       | 4. |
| (a)             | (b)      | (c)      | (d)      |    |
| (A) 4           | 2        | 3        | 1        |    |
| (B) 4           | 3        | 1        | 2        |    |
| <b>(C) 4</b>    | <b>2</b> | <b>1</b> | <b>3</b> |    |
| (D) 3           | 1        | 2        | 4        |    |
80. Government of Tamilnadu awards Dr. A.P.J. Abdul Kalam award for a Tamilian for his/her contribution to
- (A) Development of rural health services  
**(B) Scientific, art and literature development, humanities and student welfare**  
 (C) Tamil literature development  
 (D) Development of Sports
81. Identify from the options the name of the Central government portal for students looking for educational loans
- (A) Vidya Vikas (B) Edu Care  
**(C) Vidya Lakshmi** (D) Shodhganga
82. Which of the following day is observed as the National Statistics Day?
- (A) June, 8 **(B) June, 29**  
 (C) July, 1 (D) October, 5
83. 'Pay Zapp' a mobile application to make digital payments was started by which Bank?
- (A) SBI (B) ICICI  
**(C) HDFC** (D) HSBC
84. In the Australian Federal elections 2015 for the Prime Minister of Australia, who emerged as winner?
- (A) Tony Abbot  
 (B) Kevin Rudd  
**(C) Malcolm Turnbull**  
 (D) Julia Gillard
85. 2020 Olympic games will be held at
- (A) Beijing (B) New York  
 (C) Chicago **(D) Tokyo**

86. Nobel Prize 2015 in Physics was given for the discovery of

- (A) Path of electrons in electro magnetic waves
- (B) Path of neutrons in magnetic fields
- (C) Proton oscillation

**(D) Neutrino oscillation**

87. In October 2015 Russia's Sergey Karjakin won the World cup for

- (A) Table Tennis
- (B) Chess**
- (C) Golf
- (D) Polo

88. The Administrative Reforms Commission of India was set up on 5 Jan. 1966 under the Chairmanship of

- (A) K. Hanumanthaiya
- (B) H.C. Mathur
- (C) G.S. Pathak

**(D) Morarji R. Desai**

89. "The Supreme Court in the Indian union has more powers than any other Supreme Court in any part of the world" - Who said so?

- (A) S.M. Sikri
- (B) Sir Alladi Krishnaswamy Ayyar**
- (C) M.C. Setalwad
- (D) Justice Kania

90. Consider the following two statements consisting of Assertion (A) and Reason (R) and select your answer using the codes given below.

Assertion (A) : The administrative reforms commission recommended Lokpal and Lokayukta

Reasoning (R) : These are for the Redressal of Citizens grievances

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

- (B) Both A and R are correct but R is not the correct explanation of A
- (C) A is True but R is false
- (D) A is False but R is correct

91. Which one of the following is not correctly matched?

- (A) Article 153 - Office of the Governor
- (B) Article 156 - Term of the Governor
- (C) Article 154 - Executive authority of Governor

**(D) Article 155 - Removal of Governor**

92. Which one of the following statement is/are true with regard to formulation of the Government?

- (A) There is a Rule in the Business of the Government which mentions that single largest party that gets majority will form the government

**(B) There is no written rules on inviting the single largest party by the 2<sup>nd</sup> largest party to form the government. It is a convention**

- (C) There is a provision in Part I of the Constitution
- (D) Representation of Peoples Act provides for inviting the longest party to form the government

**93.** Match List - I with List - II :

Laws	Years
(a) The Banking Companies Ordinance	1. 1966
(b) Special Bearers Bonds Ordinance	2. 1980
(c) Unlawful activities Prevention ordinance	3. 1984
(d) Terrorist affected areas ordinance	4. 1981

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

**94.** The Protection of Civil Rights Act came into force on

- (A) 19<sup>th</sup> December 1974
- (B) 19<sup>th</sup> November 1976**
- (C) 19<sup>th</sup> December 1975
- (D) 19<sup>th</sup> November 1977

**95.** Who one of the following persons is the ex-officio chairman of the Rules Committee, General Purpose Committee and Business Advisory Committee?

- (A) The Speaker**
- (B) A member elected by the house
- (C) The Deputy Speaker
- (D) A member of Ruling Party

**96.** Match the following - Establishment of states and choose the correct one :

	States
(a) 36 <sup>th</sup> Amendment	1. Goa
(b) 13 <sup>th</sup> Amendment	2. Manipur and Tripura
(c) 27 <sup>th</sup> Amendment	3. Sikkim
(d) 56 <sup>th</sup> Amendment	4. Nagaland

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

**97.** Which of the following are major features of the constitutions of Lokpal and Lokayukta as recommended by the Administrative Reforms commission?

1. They should be demonstrably independent and impartial
2. They should compare with the highest judicial functionary in the country
3. They should be directly accountable to parliament
4. Their appointments should as far as possible be non-political

- (A) 1 and 4
- (B) 1, 2 and 4**
- (C) 1, 2, 3 and 4
- (D) None of the above (or) 1, 2 and 3

- 98.** Identify the numbered substances in steps of Glycolysis  
 Glucose → (1) → (2) → Fructose 1, 6 biphosphate  
 (A) (1) is Phruvate (2) is citrate  
 (B) (1) is Glucose-6-phosphate (2) is pyruvate  
**(C) (1) is Glucose-6-phosphate (2) is Fructose-6-phosphate**  
 (D) (1) is phosphoglycerate (2) is Glyceric acid
- 99.** Consider the following pairs :
- |   |  |
|---|--|
| I. Thallophyta - Algae and Fungi        |  |
| II. Tracheophyta - All vascular plants  |  |
| III. Bryophyta - Liver worts and Fungi  |  |
| IV. Pteridophyta - Mosses and Mushrooms |  |
- Which of the pair given above is/are correct?  
 (A) III and IV                      **(B) I and II**  
 (C) I and IV                         (D) II and III
- 100.** Which of the following statements about 'Glycolysis' is/are True?  
 I. Glycolysis is also known as Pentose phosphate pathway  
 II. The substrate of Glycolysis is Glucose  
 III. The final product of Glycolysis is Glycogen  
 IV. Glycolysis is also known as Glyoxylate cycle  
 (A) I and III                         (B) II only  
 (C) III and IV                       **(D) IV and II**
- 101.** Arrange the following common units of classification in ascending order :  
 I. Family  
 II. Order  
 III. Species  
 IV. Variety  
 V. Genus  
 (A) II, I, III, IV, V  
 (B) V, IV, III, II, I  
 (C) III, V, IV, II, I  
**(D) IV, III, V, I, II**
- 102.** If the time taken by a cup of tea to cool from 85 °C to 75 °C is 1 minute, then the time taken by it cool from 65°C to 55 °C is  
 (A) 50 seconds  
 (B) Exactly 1 minute  
**(C) More than 1 minute**  
 (D) 30 seconds
- 103.** The rest mass of a photon is  
 (A) **Zero**  
 (B) Infinity  
 (C) Dependent on its wavelength  
 (D) Dependent on its velocity
- 104.** Which of the following sets have different dimensions?  
 (A) Pressure, Young's modulus, Stress  
 (B) Emf, Potential difference, Electric potential  
 (C) Heat, Work done, Energy  
**(D) Dipole moment, Electric flux, Electric field**

# TNPSC

## GROUP I PRELIMS - 2015

105. New elements and rare - earths are discovered and fixed in the periodic table using  
 (A) Bragg's law  
**(B) Moseley's law**  
 (C) Compton's law  
 (D) Bravaos lattices
106. Where is the head quarter of the Forest Survey of India (FSI) located?  
 (A) New Delhi  
**(B) Dehradum**  
 (C) Chennai  
 (D) Mumbai
107. Which among these sanctuaries is not present in Tamil Nadu?  
 (A) Anaimalai  
 (B) Point Calimer  
 (C) Mudanthurai  
**(D) Periyar**
108. If a colour blind woman marries a normal visioned man, they will produce  
 (A) Normal visioned sons and daughters  
**(B) Colour blind sons and normal visioned daughters**  
 (C) Normal sons and colour blind daughters  
 (D) Colour blind sons and daughters
109. Cretinism, my oedema and goitre are related to the disorders of the  
 (A) Parathyroid gland  
**(B) Thyroid gland**  
 (C) Adrenal gland  
 (D) Pituitary gland
110. Which one of the following NOT correctly matched  
**(A) Anopheles Stephensi- Leishmaniasis**  
 (B) Glossina Palpalis - Sleeping sickness  
 (C) Culex Pipiens - Filariasis  
 (D) Aedes Aegypti - Dengue fever
111. The List of coded instruction in computer is called  
**(A) Program** (B) Algorithm  
 (C) Flow chart  
 (D) Application software
112. Choose the correct match
- | List I         | List II            |
|----------------|--------------------|
| (A) Fault      | 1. Stromboli       |
| (B) Fold       | 2. San - Andreas   |
| (C) Earthquake | 3. Himalayan Range |
| (D) Volcano    | 4. Epicentre       |
|                | 5. Weathering      |
|                | 6. Exfoliation     |
- (A) P-1 Q -2 R -5 S- 6  
 (B) P-5 Q -6 R -1 S- 2  
**(C) P-2 Q -3 R -4 S- 1**  
 (D) P-4 Q -3 R -1 S- 6
113. The major temperature fluctuations in surface waters of the tropical Eastern Pacific ocean is called as  
 (A) Temperature  
 (B) Convection  
 (C) Thermo cline  
**(D) El Nino and La Nina**



114. The portion of incident radiation reflected back to space from the planet is called  
 (A) Atmospheric windows  
**(B) Albedo**  
 (C) Rayleigh scattering  
 (D) Law of scattering
115. A major diamond mining centre in Belgium is  
 (A) Aalberg  
 (B) Aberdeen  
 (C) Aabenraa  
**(D) Antwerp**
116. Rank the given soils of India in descending order in terms of their area/ extent  
 (A) Red soil, Alluvial soil, Literate soil, Black soil  
 (B) Alluvial soil, Red soil, Literate soil, Black soil  
 (C) Red soil, Black soil, Alluvial soil, Literate soil  
**(D) Alluvial soil, Red soil, Black soil, Literate soil**
117. The planet which is known as the 'God of War'  
 (A) Mercury (B) Venus  
**(C) Mars** (D) Jupiter
118. The ice crystal theory to explain precipitation was propounded by  
**(A) Tor Bergeron**  
 (B) E.G. Boven  
 (C) Richl  
 (D) Davis
119. Consider the following about scientific dating of the pre historic period : choose the correct code  
 I. The technique of radio - carbon dating is based on measuring the loss of carbon in organic materials over a period of time.  
 II. Another dating method is known as dendro - chronology  
 III. Palaeo Botany is the analysis of prehistoric plants  
 IV. Palaeography is the study of ancient writing  
 (A) **I, II and III only**  
 (B) I, II, III and IV  
 (C) II and III only  
 (D) III and IV only
120. Which among the following correctly matched ?  
**(A) Kol - Madhya Pradesh**  
 (B) Chhutia - Nilgiris (Tamil Nadu)  
 (C) Kotas - Little Andaman  
 (D) Jarawas - Assam
121. Give the correct chronological order  
 I. Pitt's India Act  
 II. Minto - Morely Act  
 III. Regulating Act  
 IV. Montague - Chelmsford Act  
 (A) II, I, III, IV  
 (B) IV, II, III, I  
**(C) III, I, II, IV**  
 (D) I, II, III, IV

- 122.** Who was known as the Father of Library movement in Tamil Nadu?  
**(A) Thiru. T.K. Avindashilingam**  
(B) Thiru. M.P.Periyasamy  
(C) Thiru . M. Bhaktavatsalam  
(D) Thiru. Muthiah Chettiar
- 123.** Identify the correct of events of Muhammad - bin - Tughluq  
(A) Transfer of capital, conquest of Nagarkot, Reform of Token currency, Taxation of the Doab  
(B) Reform of Token currency, Transfer of capital, Taxation of the Doab, conquest of Nagarkot.  
**(C) Taxation of the Doab, Transfer of capital, Reform of Token currency, conquest of Nagarkot.**  
(D) Conquest of Nagarkot, Reform of Token currency, Taxation of the Doab, Transfer of the capital
- 124.** Consider the following relating to Babur  
I. The Autobiography of Babur is Babur Namah  
II. It was originally written in Persian  
**(A) Only I is true**  
(B) Only II is true  
(C) Both I and II are true  
(D) Both and II are false
- 125.** In which Indian state the women, except Brahmin and Bania community, terminate their marriage relationship through the custom called "Chudi Pahanana"  
(A) Andhra Pradesh  
**(B) Chattisgrah**  
(C) Jharghand  
(D) Uttaranchal
- 126.** Which of the following statements about Mother Teresa is /are True?  
I. She founded a new congregation named Missionaries of charity  
II. She did not accept the citizenship of India  
III. In 1929 A.D. she came to Madras as a Missionary  
**(A) I and III correct**  
(B) II and IV correct  
(C) I and IV correct  
(D) I, III and IV correct
- 127.** The Dravidian Mahajana Sabha was founded by  
**(A) Pundit Iyothee Thoss**  
(B) C.S. Srinivasa Raghava Iyengar  
(C) P. Theagaraya Cheety  
(D) C. Natesa Mudaliar
- 128.** In which Indian National Congress session, Mahatma Gandhi was made its President?  
(A) Nagpur (B) Gaya  
**(C) Belgaum** (D) Kanpur

# TNPSC

## GROUP I PRELIMS - 2015

**129.** Match the list I and list II and choose the correct code given below

List I		List II	
(a) Amrit Bazaar patrika		1. Dadabhai Naoroji	
(b) Indian Mirror		2. Sisir Kumar Gosh	
(c) Voice of India		3. G. Varma	
(d) Advocate		4. N.N. Sen	
(a)	(b)	(c)	(d)
<b>(A) 2</b>	<b>4</b>	<b>1</b>	<b>3</b>
(B) 3	2	4	1
(C) 4	3	1	2
(D) 4	2	3	1

**130.** Which Act is called as Black Act by the Indians?

- (A) Vernacular Press Act
- (B) Indian Arms Act
- (C) Rowlatt Act**
- (D) Opium Act

**131.** Identify the statement which is wrong

- (A) The modern method of writing with coma, semicolon, and full stop are the contribution of the missionaries
- (B) Robert De Nobili and Caldwell enriched Tamil language
- (C) The missionaries introduced printing press
- (D) The missionaries spread the gospel only through English language.**

**132.** Consider the following Reason and Assertion and choose the correct answer from the codes given below:

Reason (R): The diet of the early Tamils was not very different from of modern times. Ghee played a conspicuous part in the diet of all, it fetched a high price.

Assertion (A): Ghee was used freely both by vegetarian and non vegetarian Avur Mulankilar and Purattinal Nannaganar spoken of the use of ghee.

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

(B) (R) and (A) are correct but (A) is not the correct assertion of (R)

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

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

**133.** Choose the correct answer from the codes given below

Assertion(A): The Indian National Movement reached its crescendo in the non - co operation movement in 1920-22. It was in this context that there occurred a resurgence of working class activity in the years 1920 - 22. The working class created its own organisation to defend its class rights.

Reason (R) : Lokamanya Tilak was one of the moving spirits in the formation of AITUC. AITUC was formed in 1920.

**(A) Both (A) and (R) are correct**

(B)(A) alone is correct

(C)(R) alone is correct

(D)(A) is partly correct (R) wrong

134. What is the standard deviation of the first  $n$  natural numbers?

- (A)  $\sqrt{\frac{n^2-1}{12}}$  (B)  $\sqrt{\frac{n^2+1}{12}}$   
 (C)  $\sqrt{\frac{n(n+1)}{2}}$  (D)  $\sqrt{\frac{n(n+1)(2n+1)}{6}}$

135. In the series

6 4 1 2 2 8 7 4 2 1 5 3 8 6 2 1 7 1 4 1 3 2 8 6

How many pairs of alternate numbers have a difference of 2?

- (A) 2 (B) 4 (C) 6 (D) 8

136. If means  $\times$ ,  $\times$  means  $-$ ,  $\div$  means  $+$  and  $-$  means  $\div$  then what is the value of  $(175 - 25) \div (5+20) \times (3+10)$

- (A) 265 (B) 78  
 (C) 77 (D) 354

137. In a geometric series, if the fourth term is  $\frac{2}{3}$  and seventh term is  $\frac{16}{81}$  then what is the first term of the series?

- (A)  $\frac{2}{3}$  (B)  $\frac{4}{9}$  (C)  $\frac{8}{27}$  (D)  $\frac{9}{4}$

138. Find the percentage increase in the area of a triangle if its each side is doubled.

- (A) 100% (B) 200%  
 (C) 300% (D) 400%

139. The sequence follow a regular pattern. Find the correct letter for question mark, to complete the sequence CEIKOQ?

- (A) R (B) S (C) T (D) U

140. Find Least Common Multiple of

- $\frac{4}{5}, \frac{3}{10}$  and  $\frac{7}{15}$   
 (A)  $\frac{84}{5}$  (B)  $\frac{5}{84}$  (C)  $\frac{2}{15}$  (D)  $\frac{12}{15}$

141. Three numbers are in the ratio 1: 2 : 3. Their highest common factor is 12. Find the numbers

- (A) 12,24,36 (B) 24,48,72  
 (C) 12,24,48 (D) 48,60,72

142. If the two numbers are in the ratio of 2:3 and the product of their highest common factor and least common multiple is 150, then find the sum of the numbers.

- (A) 5 (B) 10 (C) 20 (D) 25

143. Alex invested an amount of Rs. 8,000 in a fixed deposit scheme for 2 years at compound interest rate 5% per annum. How much amount will Alex get on maturity of the fixed deposit?

- (A) Rs. 8,600 (B) Rs. 8,620  
 (C) Rs. 8,820 (D) Rs. 8,840

144. The difference between the compound interest and simple interest on a certain sum at 8% per annum for 2 years is Rs. 240 find the sum.

- (A) Rs. 35,000 (B) Rs. 35,700  
 (C) Rs. 37,500 (D) Rs. 40,000

145. If the rate of simple interest is 12% per annum, then find the amount that would get interest of Rs. 6, 000 per annum.

- (A) Rs. 82,000 (B) Rs. 50,000  
 (C) Rs. 72,000 (D) Rs. 45,000

146. Three solid metal cubes, whose edges are 6 cm. 8 cm and 10 cm are melted and a new cube is made. Find the length of edge of the new cube.

- (A) 12 cm (B) 24 cm  
 (C) 20 cm (D) 48 cm

- 147.** Find the number in the place of question mark :
- 21, 25, 34, 50, ?, 111, 160
- (A) 86      (B) 72      **(C) 75**      (D) 59
- 148.** A can do a work in 10 days and B can do the same work in 15 days. They earn Rs. 1,500 together. How will they share this amount?
- (A) Rs. 850 and Rs. 650  
**(B) Rs. 900 and Rs. 600**  
 (C) Rs. 950 and Rs. 550  
 (D) Rs. 1,000 and Rs. 500
- 149.** If 6 men and 8 boys can do a piece of work in 10 days while 26 men and 48 boys can do the same work in 2 days, then what is the time taken by 15 men and 20 boys to complete the same type of work?
- (A) 4 days**      (B) 5 days  
 (C) 6 days      (D) 7 days
- 150.** A plot of land is in the form of a quadrilateral where one of its diagonals is 100 m long. If two vertices on either side of this diagonals are 50 m away from the diagonal. Find the area of the plot of land
- (A) 5000 m<sup>2</sup>**      (B) 1000 m<sup>2</sup>  
 (C) 10000 m<sup>2</sup>      (D) 500 m<sup>2</sup>
- 151.** If "NOIDA" is written as 39658, how will "INDIA" be written?
- (A) 36568      **(B) 63568**  
 (C) 63569      (D) 65368
- 152.** Read the following statements :
1. Either A and B are of the same age or A is older than B
  2. Either C and D are of the same age or D is older than C
  3. B is older than C
- Which one of the conclusions can be drawn from the above statements?
- (A) A is older than C**  
 (B) D is older than C  
 (C) A is older than B  
 (D) B and D are of the same age
- 153.** The minute hand of a circular clock is 14 cm long and that of hour hand is 7 cm. Find how far does the tip of the minute and hour hand move in 30 minutes?
- (A) 88 cm, 3.66 cm  
 (B) 22 cm, 0.915 cm  
**(C) 44 cm, 1.83 cm**  
 (D) 1.83 cm, 88 cm
- 154.** A heap of paddy is in the form of a right circular cone whose diameter is 4.8 m and height 1.8 m. If the heap is to be covered exactly by a canvas to protect it from rain, find the area of the canvas required.
- (A) 22.6 m<sup>2</sup>**      (B) 27.2 m<sup>2</sup>  
 (C) 13.6 m<sup>2</sup>      (D) 11.3 m<sup>2</sup>
- 155.** If  $a^x = b$ ,  $b^y = c$ ,  $c^z = a$ , then what is the value of  $xyz$ ?
- (A) 3      (B) 4      (C) 9      **(D) 1**



**156.** Arrange the following in the order of increasing solubility in water

- (i)  $\text{NaHCO}_3$                       (ii)  $\text{KHCO}_3$   
(iii)  $\text{Mg}(\text{HCO}_3)_2$               (iv)  $\text{Ca}(\text{HCO}_3)_2$

- (A) (iv) < (iii) < (ii) < (i)  
**(B) (i) < (ii) < (iii) < (iv)**  
(C) (ii) < (iii) < (i) < (iv)  
(D) (iii) < (i) < (iv) < (ii)

**157.** Match the following :

Actinide element	Atomic number
(a) Plutonium	1. 102
(b) Curium	2. 100
(c) Fermium	3. 96
(d) Nobelium	4. 94
(a)    (b)    (c)    (d)	
(A) 1    2    3    4	
(B) 3    4    1    2	
(C) 3    4    2    1	
<b>(D) 4    3    2    1</b>	

**158.** Match the Number of electrons transferred (a) when one mole of  $\text{KMnO}_4$  is reduced to (b)

- (a) 1, 3, 4, 5  
(b)  $\text{Mn}_2\text{O}_3$ ,  $\text{MnO}_2$ ,  $\text{MnO}_4^{2-}$ ,  $\text{Mn}^{2+}$

- (A) 1-  $\text{MnO}_4^{2-}$ , 3-  $\text{MnO}_2$ , 4-  $\text{Mn}_2\text{O}_3$ , 5-  $\text{Mn}^{2+}$**   
(B) 1-  $\text{Mn}^{2+}$ , 3-  $\text{Mn}_2\text{O}_3$ , 4-  $\text{MnO}_2$ , 5-  $\text{MnO}_4^{2-}$   
(C) 1-  $\text{MnO}_2$ , 3-  $\text{MnO}_4^{2-}$ , 4-  $\text{Mn}^{2+}$ , 5-  $\text{Mn}_2\text{O}_3$   
(D) 1-  $\text{Mn}_2\text{O}_3$ , 3-  $\text{Mn}^{2+}$ , 4-  $\text{MnO}_4^{2-}$ , 5-  $\text{MnO}_2$

**159.** An example of commonly used herbicide is

- (A) p, p' - dichlorodiphenyl trichloroethane**  
(B) 2, 4 - dichloro phenoxy acetic acid  
(C) Benzene hexa chloride  
(D) Naphthalene

**160.** Match the following :

I	II	III
1. Thiamine	(a) Cheilosis	(i) Pellagra
2. Niacin	(b) Polyneuritis	(ii) Glossitis
3. Riboflavin	(c) Nicotinamide	(iii) Beri beri
4. Biotin	(d) Antipernic	(iv) Hyperestherin
5. Cyanacobalamine	(e) Coenzyme R	(v) Pernicious anaemia

- (A) (1) - (a) - (v) (2) - (b) - (iii)  
(3) - (c) - (i) (4) - (d) - (ii)  
(5) - (e) - (iv)  
**(B) (1) - (b) - (iii) (2) - (c) - (i)**  
**(3) - (a) - (ii) (4) - (e) - (iv)**  
**(5) - (d) - (v)**  
(C) (1) - (d) - (ii) (2) - (a) - (v)  
(3) - (b) - (iv) (4) - (c) - (iii)  
(5) - (e) - (i)  
(D) (1) - (c) - (iv) (2) - (e) - (ii)  
(3) - (d) - (v) (4) - (a) - (i)  
(5) - (b) - (iii)

**161.** The Indian Constitution describes Legislative Relations between Union and States in Article from

- (A) Articles 245 to 255**  
(B) Articles 256 to 263  
(C) Articles 264 to 267  
(D) Articles 268 to 276

- 162.** Which of the following is/are incorrectly matched? Select your answer using the codes given below
- |                            |                         |
|----------------------------|-------------------------|
| I. Credit creation         | - Reserve Bank of India |
| II. Commercial Bank        | - Accepting deposits    |
| III. Reserve Bank of India | - Control of credit     |
| IV. Quantitative Control   | - Scheduled Banks       |
- (A) I only                      (B) I and II  
(C) II and IV                  (D) I and IV
- 163.** The phase of rapid growth of population in India falls
- (A) between 1891 - 1921  
(B) between 1921 - 1951  
**(C) between 1951 - 1981**  
(D) between 1981 - 2001
- 164.** In which of the following states of India, Inland water transport is not important?
- (A) Kerala  
(B) West Bengal  
(C) Bihar  
**(D) Gujarat**
- 165.** Which kind of power accounts for the largest share of power generation in India?
- (A) Hydro - electricity  
**(B) Thermal**  
(C) Nuclear  
(D) Solar
- 166.** What is India's rank in the global production of milk in 2010-2011?
- (A) First                      (B) Second  
(C) Third                      (D) Fourth
- 167.** Industry which is reserved for public sector in New Economic Policy
- (A) Atomic Energy**  
(B) Cotton Industry  
(C) Sugar Industry  
(D) Tea Industry
- 168.** Arrange the following sectors in India descending order according to the commercial energy consumption
1. Household sector
  2. Agriculture
  3. Industries
  4. Transport
- (A) 4, 3, 1, 2                  (B) **3, 4, 1, 2**  
(C) 3, 4, 2, 1                  (D) 4, 1, 3, 2
- 169.** "Indradhanush" introduced by the Central Government in August 2015 aims at :
- (A) Establishing a separate ombudsman for private sector banks  
**(B) Reviving or revamping public sector banks**  
(C) Reviving non-banking financial institutions  
(D) Introducing new banks in rural India
- 170.** Which country was affected by "Typhoon Goni"?
- (A) Philippines**  
(B) Japan  
(C) Sri Lanka  
(D) Canada

# TNPSC

## GROUP I PRELIMS - 2015

171. Match List I with List II and select the correct option given below :

List I

List II

- |                              |   |                     |
|------------------------------|---|---------------------|
| (a) Abdul Kalam Award        | - | 1. G. Jothimani     |
| (b) Kalpana Chawla Award     | - | 2. S. Sampath Kumar |
| (c) Best Doctor Award        | - | 3. P. Simmachandran |
| (d) Best Social Worker Award | - | 4. N. Valarmathi    |

- |            | (a)      | (b)      | (c)      | (d)      |
|------------|----------|----------|----------|----------|
| (A)        | 4        | 2        | 1        | 3        |
| (B)        | 4        | 3        | 2        | 1        |
| <b>(C)</b> | <b>4</b> | <b>1</b> | <b>2</b> | <b>3</b> |
| (D)        | 4        | 2        | 3        | 1        |

172. Identify the correct statement from the following

- (A) Tiruchirapalli has been declared as the second cleanest city by Swachh Bharat in 2015**
- (B) Tiruchirapalli has been declared as the second cleanest city by UNESCO in 2015
- (C) Goa has been declared as the second cleanest city by Swachh Bharat in 2015
- (D) Mysuru has been declared as the first cleanest city by United Nations Organization in 2015

173. Nobel Prize for medicine in 2015 was awarded to

- I. Tu Youyou  
 II. Satoshi Omura  
 III. William Campbell  
 IV. Arun Bahl
- (A) I only  
 (B) I, III and IV  
 (C) II and III only  
**(D) I, II and III**

174. Which country has come forward to help clean India's River Ganga?

- (A) Iran **(B) Israel**  
 (C) Ireland (D) Italy

175. World . 'Car Free Day' is observed on

- (A) September 12 **(B) September 22**  
 (C) October 22 (D) October 18

176. Which court ruled that 'Eu-us data Transfer Pact' is invalid?

- (A) American Court, New York  
 (B) British Court, London  
**(C) European Court, Luxem bourg**  
 (D) International Court, New York

177. The Leader of the Congress Party in the Lok Sabha as on September 2015

- (A) Mallikarjuna Karge**  
 (B) Sonia Gandhi  
 (C) Ghulam Nabi Azad  
 (D) Rahul Gandhi

# TNPSC

## GROUP I PRELIMS - 2015

178. Which state government in India has started the 'Ladli Beti' scheme for the girl child?
- (A) Madhya Pradesh  
(B) Uttarakhand  
(C) Jharkhand  
**(D) Jammu & Kashmir**
179. Consider the following statements about Suraksha Hose :
1. The hose is made of rubber and is green - coloured
  2. The outer layer of the hose is fire resistant
  3. The middle layer of the hose is made of brass-coated high carbon steel wire mesh
- Which of the above statement is/are correct?
- (A) 1, 2 and 3 are correct  
**(B) Only 2 and 3 are correct**  
(C) Only 1 and 3 are correct  
(D) Only 3 is correct
180. The Union Urban Development Ministry has selected 98 towns/cities from all over the country to graduate into smart cities in five years. Select the town/cities not included in the list from the following
- (A) Coimbatore  
(B) Dindugul  
(C) Chidambaram  
**(D) Erode**
181. The country that has become the first defaulter, among developed nations, on debt of International Monetary Fund (IMF) on 30<sup>th</sup> June 2015
- (A) China**  
(B) Italy  
(C) Greece  
(D) Germany
182. The last movie for which late M.S. Viswanathan composed music is
- (A) Engirundho Vanthan  
**(B) Suvadugal**  
(C) Devadoss  
(D) Ninaithalae Inikkum
183. Who was awarded the Stockholm Water prize for the year 2015?
- (A) Amalendu Krishna  
**(B) Rajendra Singh**  
(C) Mansingh Rawat  
(D) Modadugu Vijay Gupta
184. Google's Alphabet Website is
- (A) alpgoogle.com  
(B) googlealbet.com  
(C) abc.com  
**(D) abc.xyz**
185. \_\_\_\_\_ organization slapped fine to the companies for not appointing women directors.
- (A) BSE** (B) BSI  
(C) SBI (D) BCCI
186. Tuyouyou of China has been awarded the Nobel Prize in medicine for developing a new drug called
- (A) Avermectin **(B) Artemisinin**  
(C) Ivermectin (D) Parasitin

# TNPSC

## GROUP I PRELIMS - 2015

- 187.** Article 25 of the Constitution of India guarantees  
**(A) Right to Religion**  
 (B) Right to Property  
 (C) Right to life  
 (D) Right to equality
- 188.** Which one of the following is not a formally prescribed device available to the members of Parliament?  
 (A) Question Hour  
**(B) Zero Hour**  
 (C) Half-an hour discussion  
 (D) Short duration discussion
- 189.** The National Commission to review the working of the Constitution was set-up in the year  
 (A) 2001 (B) 2004  
 (C) 2003 **(D) 2002**
- 190.** Match the list :
- | List I              | List II                                      |
|---------------------|--|
| (a) Fourth Schedule | - 1. Division of Powers                      |
| (b) Seventh         | - 2. Seats allotted in the council of states |
| (c) Eleventh        | - 3. Languages                               |
| (d) Eighth schedule | - 4. 73 <sup>rd</sup> Amendment              |
- 
- | (a)          | (b)      | (c)      | (d)      |
|--------------|----------|----------|----------|
| (A) 1        | 2        | 3        | 4        |
| <b>(B) 2</b> | <b>1</b> | <b>4</b> | <b>3</b> |
| (C) 2        | 1        | 3        | 4        |
| (D) 1        | 2        | 4        | 3        |
- 191.** Which one of the following amendment was called a revision of the constitution and it introduced changes in preamble, as many as 53 articles and seventh schedule?  
 (A) 40<sup>th</sup> amendment  
**(B) 42<sup>nd</sup> amendment**  
 (C) 41<sup>st</sup> amendment  
 (D) 43<sup>rd</sup> amendment
- 192.** Which one of the following statement with regard to the enactment of the Act of 1935 is WRONG?  
 (A) Turko- Italian war happened  
 (B) Rowlatt Act and Jallianwala Bagh Tragedy occurred  
 (C) Round - Table Conferences held  
**(D) Lord Curzon Partitioned Bengal**
- 193.** Which of the following recommendations are made by the Administrative Reforms Commission to improve relations between the political and permanent executive?  
 1. Minister should try to develop a climate of fearlessness and fair play among senior officers.  
 2. Minister should not intervene in day to-day administration except in case of serious maladministration.  
 3. The official relationship of Secretary to Minister should be one of confidence of that of Minister to Secretary one of loyalty  
 4. Prime Minister should take special interest to arrest/growing of unhealthy personal affiliations  
 5. All major decisions should be briefly reduced to writings  
 (A) 1, 2, 4 and 5 (B) 1, 2, 3 and 5  
 (C) 2, 3 and 4 (D) 1, 2 and 5



194. Which is/are correct relating to the Tribunals?

1. Part XV of the Indian constitution deals with the Tribunals.
2. Article 323 A deals with Administrative tribunals and Article 323 B deals with the tribunals for other matters.

(A) 1 only

**(B) 2 only**

(C) Both 1 and 2

(D) Neither 1 nor 2

195. Which of the following are matters on which a constitutional amendment is possible only with the ratification of the legislatures of not less than One-Half of the states?

1. Election of the president
2. Representation of states in Parliament
3. Any of the lists in the 7<sup>th</sup> Schedule
4. Abolition of the legislative council of a state.

Choose the correct answer from the codes given below :

Codes :

**(A) 1, 2 and 3**

(B) 1, 2 and 4

(C) 1, 3 and 4

(D) 2, 3 and 4

196. The Secession of a state from the Indian union has been barred by the

**(A) 16<sup>th</sup> Amendment**

(B) 22<sup>nd</sup> Amendment

(C) 29<sup>th</sup> Amendment

(D) 35<sup>th</sup> Amendment

197. Consider the following statements :

The Comptroller and Auditor General of India is responsible for the audit of the accounts of

1. The Union Govt.

2. State Govts.

3. The governments of union territories.

4. The Urban and rural local bodies.

Which of these statements are correct?

**(A) 1, 2 and 3**

(B) 2, 3 and 4

(C) 1, 3 and 4

(D) 1, 2 and 4

198. What is the peculiar nature of the Indian Federation?

(A) Equal distribution of powers between the centre and state

**(B) Strong centre**

(C) Strong states

(D) Strong Local bodies

199. In which one of the case, "Passport" is considered as part of personal liberty?

(A) A.K. Gopalan (1950)

(B) Indian Express Newspapers (1985)

(C) Arumugham (1953)

**(D) Meneka Gandhi (1978)**

200. Which of the schedules deals with division of powers between states and union?

(A) Fourth

(B) Sixth

**(C) Seventh**

(D) Ninth