

# TNPSC

## GROUP IV GENERAL STUDIES - 2013 (ENGLISH)

1. Consider the following statements :
- The closure of Atrio ventricular valves result in "lubb" sound.
  - The closure of semilunar valves result in "dubb" sound.

Choose the right answer.

- (A) (1) is correct and (2) is wrong  
(B) (1) is wrong and (2) is correct  
(C) Both (1) and (2) are wrong

**(D) Both (1) and (2) are correct**

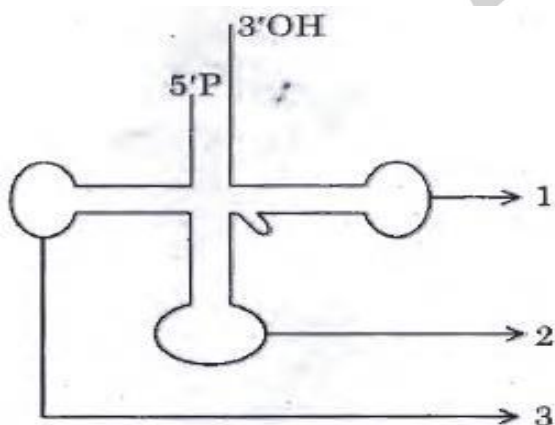
2. Name the vitamin and mineral necessary for blood clotting

- (A) Vitamin D and Calcium  
(B) Vitamin B and Sodium

**(C) Vitamin K and Calcium**

- (D) Vitamin C and Iodine

3. Choose the correct order of the parts marked in the diagram.



**(A) (1) TUC loop (2) Anticodon loop (3) DHU loop**

- (B) (1) Anticodon loop (2) TUC loop (3) DHU loop

- (C) (1) TUC loop (2) DHU loop (3) Anticodon loop

- (D) (1) DHU loop (2) Anticodon loop (3) TUC loop

4. Name the gas which is evolved during photosynthesis

- (A) Carbondioxide (B) Nitrogen  
(C) Hydrogen **(D) Oxygen**

5. Match the following :

- |                        |         |
|------------------------|---------|
| (a) August Offer       | 1. 1944 |
| (b) C.R. Formula       | 2. 1945 |
| (c) Wavell Plan        | 3. 1946 |
| (d) Interim Government | 4. 1940 |

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

6. Match the following :

- |                                   |         |
|-----------------------------------|---------|
| (a) Nehru Report                  | 1. 1940 |
| (b) Second Round Table Conference | 2. 1928 |
| (c) Individual Satyagraha         | 3. 1946 |
| (d) Lord Attlee's Announcement    | 4. 1931 |

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

7. Consider the following statements :

Assertion (A) : V. O. Chidambaram Pillai established Swadeshi Steam Navigation Company in 1910.

Reason (R) : V. O. Chidambaram Pillai is called as Kappalottiya Tamilan.

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

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

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8. Point out the wrong statement/statements in the following :
1. V.O. C. born at Ettayapuram.
  2. Annie Besant started Theosophical Society.
  3. Bharathiyar died at Pondicherry.
  4. E.V.R. started Self-Respect Movement.
- (A) 1, 3 and 4                      (B) 2, 3 and 4  
(C) 1, 2 and 4                      **(D) 1, 2 and 3**
9. Which of the following is incorrectly matched?
- (A) Agricultural crops - Green Revolution  
**(B) Eggs and poultry- White Revolution**  
(C) Marine products - Blue Revolution  
(D) Horticulture - Golden Revolution
10. Consider the following and select the false ones :
1. India's food problem is concerned with demand and supply of food grains.
  2. India's food problem is concerned with quality, distribution and economic reasons.
  3. India's food problem is concerned with procurement of food grains.
  4. India's food problem is concerned with improper distribution.
- (A) 1 and 2 false  
(B) 4 alone false  
**(C) 3 and 4 false**  
(D) 2 and 4 false
11. Consider the following table :
- |  |         |         |           |
|--|---------|---------|-----------|
| Year :1973-74                          | 1987-88 | 1993-94 | 1999-2000 |
| Number of Poor in India (in million) : |         |         |           |
| 321                                    | 307     | 320     | 260       |
- The year in which number of poor in India a sharp increase over that of the preceding year is
- (A) 1973-74                      (B) 1987-88  
**(C) 1993-94**                      (D) 1999-2000
12. Consider the following statements :
- Assertion (A) : After the completion of the third five year plan 'Plan Holiday' was given.  
Reason (R) : The third five year plan was affected by India-China war and India-Pakistan wars.
- Select your answer according to the coding scheme given below :
- (A) Both (A) and (R) are false  
(B) (A) is false and (R) is true  
(C) (A) is true and (R) is false  
**(D) Both (A) and (R) are true**
13. Assertion (A) : To reduce the high tides of sea during storm oil is poured around the ship.  
Reason (R) : Surface tension of oil is less than sea water, reduces the wrath of waves.
- (A) A is correct R is wrong  
**(B) Both A and R are correct**  
(C) R is correct A is wrong  
(D) Both A and R are wrong
14. The property of attraction or repulsion between charged bodies is used in
- (A) A.C. Generator  
**(B) Electrostatic paint spraying**  
(C) Potentiometer  
(D) Metre Bridge
15. The time periods of two simple pendulum are in the ratio 2 : 1. The corresponding ratio of their lengths is
- (A) 4 : 1**    (B) 1 : 4    (C) 1 : 1    (D) 1 : 2
16. Arrange the Remote Sensing Satellites as per year of launching, \_\_\_\_\_ in ascending order.
1. IRS    2. SPOT    3. TRIOS    4. LANDSAT
- (A) 1, 2, 4, 3                      **(B) 3, 4, 2, 1**  
(C) 1, 2, 3, 4                      (D) 4, 3, 1, 2

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17. Identify the incorrect pair.

Biosphere	-	States	
1. Kanha	-	Madhya Pradesh	
2. Nandadevi	-	Uttanchal	
3. Manas	-	Assam	
4. Namdhapa	-	Arunachala Pradesh	
(A) 1	<b>(B) 2</b>	(C) 3	(D) 4

Select your answer according to the coding scheme given below.

- (A) Both (A) and (R) are false  
**(B) Both (A) and (R) is correct**  
 (C) (A) is false but (R) is true  
 (D) (A) is true but (R) is false

18. Choose the correct answer from the following :  
 These occur as a result of continuous thunder storming.

- (A) Landslides and floods**  
 (B) Tsunami  
 (C) Earthquake  
 (D) Volcanic eruption

23. Arrange the Presidents of India in chronological order of their term in Office.

1. R. Venkatraman
2. Dr. Sankar Dayal Sharma
3. Dr. K. R. Narayanan
4. Dr. A. P. J. Abdul Kalam

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

19. Which of the following statements about 'Fertilizer' is TRUE?

1. It should be available in low cost.
  2. It should be easily assimilated by plants.
  3. It should not dissolve readily in water.
- (A) 1 and 2**                      (B) 2 and 3  
 (C) 1 and 3                      (D) 3 only

24. The Bhopal Gas Tragedy happened in

(A) 1980                      (B) 1978  
 (C) 1975                      **(D) 1984**

20. Identify the odd one from the group of chemicals given below :

- BHC, DDT, 2, 4-D, Urea
- (A) BHC    (B) DDT    (C) 2, 4-D    **(D) Urea**

25. The books 'Wings of Fire' was written by

- (A) Nehru  
**(B) A.P.J. Abdul Kalam**  
 (C) Kamaraj  
 (D) Mahatma Gandhi

21. Who was the first woman judge of the Supreme Court?

- (A) Hanna Chandy    (B) Vijayalakshmi Pandit  
 (C) Indira Gandhi    **(D) Fathima Beevi**

26. In the products  $2a \times 1a = 41a$ ;  $2b \times 1b = 37b$ , a and b represent positive integers. Then  $a + b =$

- (A) 15    **(B) 11**    (C) 7    (D) 13

22. Consider the following statements :  
 Assertion (A) : The (ARC) recommended that the institution of Lokpal and Lokayakta.

- Reason (R) : 1. should be demonstratively Independent and Impartial.  
 2. their appointment should be as far as possible non - Political.

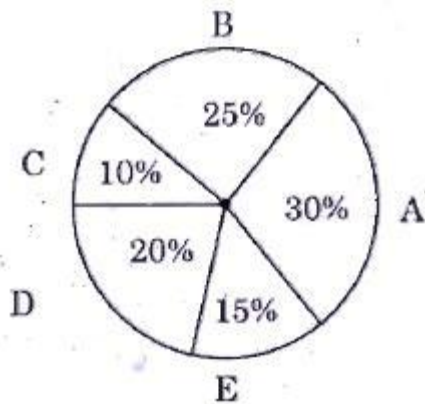
27. Find the odd man out in the following :

- 1, 144, 16, 25, 49, 81, 121, 36, 62
- (A) 1    (B) 49    (C) 121    **(D) 62**

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28. The World-Wide Tea product of 5 countries for the year 2011-2012.



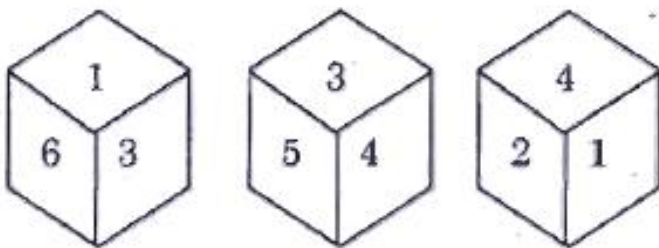
The angle subtended by E at the centre of the circle is

- (A) 15° (B) 30° (C) 54° (D) 72°

29. In an examination 30% of total students failed in English, 40% of students failed in Hindi and 20% in both. Find the percentage of students who passed in both the subjects.

- (A) 50% (B) 20% (C) 10% (D) 60%

30. Three positions of the same die are given. Find the number opposite to the side represented by 2.



- (A) 5 (B) 3 (C) 6 (D) 1

31. If RIVER is coded as OFSBO then WATER is decoded as

- (A) ZDWIU (B) ZDWHU  
(C) ZCWIV (D) ZCUJW

32. A can complete  $\frac{2}{3}$  part of a work in 10 days. A can complete  $\frac{1}{3}$  part of the same work in

- (A) 3 days (B) 4 days (C) 5 days (D) 6 days

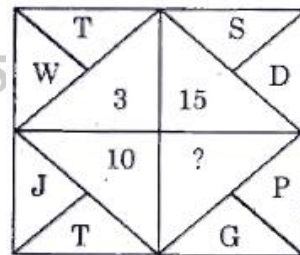
33. Rs. 800 becomes Rs. 956 in 3 years at certain simple rate of interest. If the rate of interest is increased by 4%, what amount will Rs. 800 become in 3 years?

- (A) Rs. 1,020.80 (B) Rs. 1,025  
(C) Rs. 1,052 (D) Rs. 1,080.20

34. Amala invests Rs. 6,000 in a bond which gives interest at 4% per annum during the first year, 5% during the second year, 10% during the third year. How much does she get at the end of the third year?

- (A) Rs. 7,300 (B) Rs. 7,007.2  
(C) Rs. 7,200 (D) Rs. 7,207.2

35. What will come in the place of a question mark?



- (A) 9 (B) 6 (C) 7 (D) 3

36. Find out the wrong number in the sequence. 623, 251, 543, 356

- (A) 543 (B) 251 (C) 623 (D) 356

37. Find out the wrong number in the sequence.

- 121, 264, 312, 462, 583  
(A) 583 (B) 264 (C) 121 (D) 312

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38. Match :

List I	List II
(a) Andhra	1. Bharathanatyam
(b) Kerala	2. Kuchipudi
(c) Tamil Nadu	3. Bangra
(d) Punjab	4. Kathakali

Codes :

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

39. Anna changed, the official name of the state from 'Madras' to Tamil Nadu in

- (A) 1957 (B) 1977 (C) **1969** (D) 1947

40. Match the following :

(a) Larkana District	1. Gujarat
(b) Kalibangan	2. Punjab
(c) Lothal	3. Rajasthan
(d) Harappa	4. Sind

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

41. Match the following with suitable options :

List I (Works)	List II (Authors)
(a) Kondrai Venthan	1. Mayuram Vedanayagam
(b) Neethineri Vilakkam	2. Sivaprakasara
(c) Nanneri	3. Avvaiyar
(d) Neethi Nool	4. Kumara gurubarar

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

42. Match the following with suitable options :

List I (Age)	List II (Art style)
(a) Kushanas	1. Dravidian style
(b) Guptas	2. Vesara style
(c) Chalukyas	3. Nagara style
(d) Cholas	4. Gandhara Art style

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

43. Match the authors with their books and choose the right option :

(a) Malgudi Days	1. Kautilya
(b) Harsha Charita	2. Swami Dayanand
(c) Arthasasthra	3. R.K. Narayan
(d) Satyarth Prakash	4. Bana Bhatta

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

44. Match the following and choose the right answer:

(A) Recent Military camp took place in	1. Brazil
(B) Snowden's plea for asylum was rejected by	2. India
(C) Serial Bomb- Blast took place at	3. England Mahabhodhi
(D) After 10 years Andy Murry brought laurels	4. Egypt to his country by becoming Wimbledon Champion



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

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

45. Point out the wrong statement in the following:

- |                     |        |                |        |
|---------------------|--------|----------------|--------|
| (a) National Animal | -      | Tiger          |        |
| (b) National Bird   | -      | Peacock        |        |
| (c) National Flower | -      | Rose           |        |
| (d) National Fruit  | -      | Mango          |        |
| (A) I               | (B) II | <b>(C) III</b> | (D) IV |

46. Who is the Whistle Blower, who brought the secret of American Intelligence, doing the Global Electronic Surveillance on other nations, to the world?

- (A) Julian Assanage  
 (B) Daniel Pearl  
**(C) Edward Snowden**  
 (D) Mike Tisen

47. Which article empowers the President to dissolve the Lok Sabha at any time before its tenure?

- (A) Art 85** (B) Art 95  
 (C) Art 81 (D) Art 75

48. Which is not the member of G-20?

- (A) Argentina **(B) North Africa**  
 (C) Bolivia (D) Egypt

49. Match the List I with List II and select the correctly matched answer :

- | List I                  | List II                       |
|-------------------------|-------------------------------|
| (a) Rheumatic arthritis | 1. Contagious disease         |
| (b) Pellagra            | 2. Auto immune disease        |
| (c) Cholera             | 3. Hereditary disease         |
| (d) Sickle cell anaemia | 4. Vitamin deficiency disease |

50. Match the Wild Life Sanctuaries in List I with their location in List II :

- | List I                      | List II                   |
|-----------------------------|---------------------------|
| (a) Viralimalai             | 1. Western ghats          |
| (b) Mukkurthi National Park | 2. Kancheepuram district  |
| (c) Indira Gandhi Wild Life | 3. The Nilgiris Sanctuary |
| (d) Vedanthangal            | 4. Trichy district        |

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

51. Which of the following is referred to as EMP pathway?

- (A) Glycolysis**  
 (B) Krebs's cycle  
 (C) Electron transport chain  
 (D) Pentose phosphate pathway

52. Consider the following statements :

Assertion (A) : Insectivorous plants digest proteins of insect body.

Reason (R) : Insectivorous plants grown in Nitrogen (N<sub>2</sub>) deficient soil.

Select your answer according to the coding scheme given below :

- (A) (A) is true but (R) does not explain (A)  
**(B) Both (A) and (R) are true, (R) explains (A)**  
 (C) (A) is true (R) is false  
 (D) Both (A) and (R) are false

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53. Which of the following is/are wrong?

1. Aligarh movement was led by Sir Syed Ahmed Khan.
2. Sir Syed Ahmed Khan supported Shuddhi movement.
3. Sir Syed Ahmed Khan started Anglo-oriental college.

**(A) 2 only**

- (B) 1 and 2  
(C) 1 and 3  
(D) 1, 2 and 3

54. Which one of the following is correctly matched?

(A) Ettayapuram - Collector Ashe

**(B) Jallian Walah- Hunter Committee  
Bagh Tragedy**

- (C) Swaraj Party - B.G. Tilak  
(D) Prohibition - V.O. Chidambaranar

55. Match List I with List II correctly and select your answer using the codes given below :

List I	List II
(A) Tattvabodhini Sabha	- 1. Henry Vivian Derozio
(B) Young Bengal Movement	- 2. Vishnu Sashtri Pandit
(C) Widow Remarriage- Society	- 3. Veeresalingam
(D) Hitakarini Samajam	- 4. Devendranath Tagore

Codes :

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

56. Consider the following statements with reference to the nature of the Indian National awakening :

1. It was basically started by intellectuals.
2. It was a movement in which, all sections of society became united against the English.
3. After 1920, national movement was led by Gandhiji.
4. Gandhiji started the Khilafat movement.

Which of the statements given above is/are correct?

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

57. The organization which introduced Green Revolution in India is

- (A) ICAR** (B) ICMR (C) ISRO (D) CSIR

58. Framing of 5 year plans :

- (A) National Development Council  
(B) Prime Minister's Office  
(C) United Nations Organisation  
**(D) Planning Commission**

59. Match the following:

(a) Jawahar Gram Samriddhi Yojana	- 1. 2000-2001
(b) National Social Assistance Programme	- 2. 1993
(c) Employment Assurance Scheme	- 3. 1999
(d) Pradhanmantri Gramodaya Yojana	- 4. 1995

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

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60. Take the odd man out :  
India's Navaratna Companies  
(A) BHEL  
(B) BPCL  
(C) IOL  
**(D) IPCL**

61. Who is the Father of Consumer Movement?  
(A) Mahatma Gandhi  
(B) Indira Gandhi  
(C) John F. Kennedy  
**(D) Ralph Radar**

62. Who frames the monetary policy of India?  
(A) Finance Minister of India  
**(B) Reserve Bank of India**  
(C) Prime Minister of India  
(D) International Monetary Fund

63. Consider the following statements. Choose the correct answer.

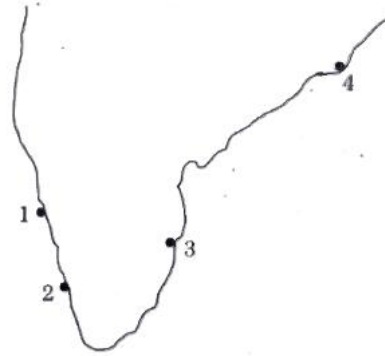
"Comets have no tail".

1. when they are far away from the sun.
2. when they are close to the sun.
3. when they are close to the earth.
4. when they are in between the earth and the sun.

- (A) 1, 2, 3 and 4 are wrong  
**(B) 1 is correct but 2, 3 and 4 are wrong**  
(C) 1 is wrong but 2, 3 and 4 are correct  
(D) 1, 2, 3 and 4 are correct

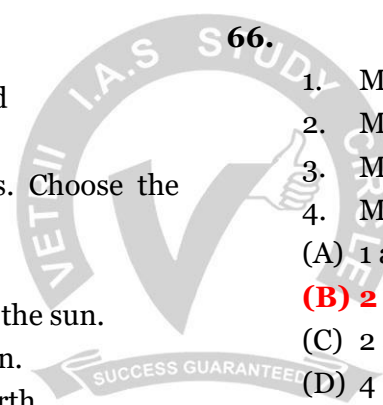
64. Choose incorrectly matched.  
(A) Green Revolution - Agricultural crops  
(B) White Revolution - Milk and Milk products  
**(C) Grey Revolution - Oil seeds**  
(D) Golden Revolution - Horticulture

65. Identify the Seaports and name them



1. Paradwip
2. Mangalore
3. Chennai
4. Cochin

- (A) Paradwip, Cochin, Chennai, Mangalore  
(B) Mangalore, Paradwip, Chennai, Cochin  
**(C) Mangalore, Cochin, Chennai, Paradwip**  
(D) Cochin, Mangalore, Chennai, Paradwip

66.  Moon is called a Meteoroids.  
1. Moon is called a Meteoroids.  
2. Moon is called a Satellite.  
3. Moon is called a Asteroids.  
4. Moon is called a Comet.  
(A) 1 and 3 are correct  
**(B) 2 is only correct**  
(C) 2 and 4 are correct  
(D) 4 is only correct

67. Choose the correct answer :

In which District Grizzled Squirrel Wild Life Sanctuary is found?

- (A) Nilgris  
(B) Sivagangai  
**(C) Vir dhunagar**  
(D) Kanyakumari

68. The mixture present in the pencil lead is  
(A) Carbon and Nitrogen  
(B) Carbon and Oxygen  
**(C) Carbon and Clay**  
(D) Carbon and Glass



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69. Which of the following statement(s) about 'acid' is TRUE?

1. It turns blue litmua paper to red.
2. It has pH value greater than 7.
3. It reacts with bases to give salt and water.

(A) 1 and 2            **(B) 1 and 3**  
(C) 2 and 3            (D) 3 only

70. Which country became a member of the U.N.O. in the year 2011?

- (A) East Timor            (B) Montenegro  
**(C) South Sudan**            (D) Serbia

71. The first meeting of the Constituent Assembly of India was held in

- (A) 1950    **(B) 1946**            (C) 1948    (D) 1947

72. Consider the following statements :

Assertion (A) : The CVC has to present annually to the President a report on its performance.

Reason (R) : The President places this report before both House of Parliament.

Select your answer according to the coding scheme given below.

- (A) Both (A) and (R) are correct**  
(B) Both (A) and (R) are false  
(C) (A) is false but (R) is true  
(D) (A) is true but (R) is false

73. Who presides over the joint sessions of the Parliament?

- (A) The President    (B) The Vice- President  
**(C) The Speaker**            (D) The Prime Minister

74. The National Development Council was established in the year

- (A) 1952**            (B) 1955  
(C) 1959            (D) 1962

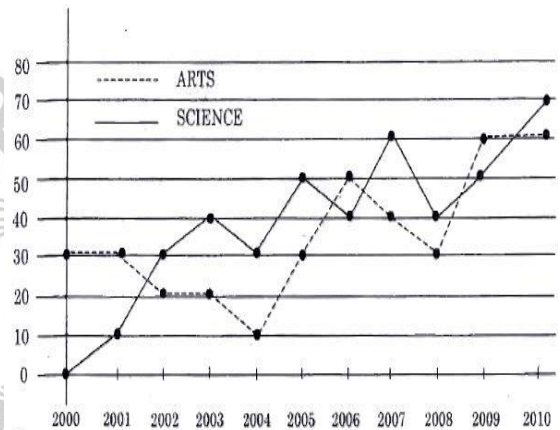
75. If  $2 \div 3 = 89$ ,  $3 \div 4 = 2716$ ,  $4 \div 3 = 649$  then  $1 \div 2 = ?$

- (A) 24            **(B) 14**  
(C) 4            (D) 10

76. Five distinct items A, B, C, D and E are to be placed in distinct boxes numbered as 1, 2, 3, 4, 5. Items B and E cannot be grouped together. Maximum number of boxes can be left out without items is

- (A) 1            (B) 2            **(C) 3**            (D) 0

77. SALES BY TWO CATEGORY FOR ABC PRESS, 2000-2010 (in thousands of books).



In how many years did the sales of science books exceed the sales of arts books from 2000 to 2009?

- (A) 4 years            (B) 5 years  
**(C) 6 years**            (D) 7 years

78. Five persons A, K, L, R and U are sitting around a circular table, K is immediate left to U and R is between A and U, then immediate neighbours of L are

- (A) K and A**            (B) U and A  
(C) K and R            (D) A and R

# TNPSC

## GROUP IV GENERAL STUDIES - 2013 (ENGLISH)

79. A circular ground of radius 7 m has a path of width 7 m around it on its outside. The area of the path is approximately equal to \_\_\_\_\_ ( $\pi = \frac{22}{7}$ )

- (A) 154 sq.m. (B) 308 sq.m.  
(C) 462 sq.m. (D) 616 sq.m.

80. A can do a work in 12 days; B in 6 days and C in 3 days. A and B start working together and after a day, C joins them. The total number of days required to complete the work is

- (A)  $2\frac{2}{7}$  days (B)  $1\frac{2}{7}$  days  
(C)  $2\frac{1}{7}$  days (D)  $1\frac{1}{7}$  days

81. At what rate percent compound interest does a sum of money become nine fold in 2 years?

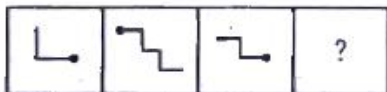
- (A) 100% (B) 200%  
(C) 300% (D) 150%

82. Simplify :

$$\sqrt[4]{\sqrt[3]{x^2}}$$

- (A)  $x^{1/6}$  (B)  $x^{1/12}$  (C)  $x^{1/3}$  (D)  $x^{1/4}$

83. Find the missing block.



- (A) (B) (C) (D)

84. Find the greatest number that will divide 43, 91, 183 so as to leave the same remainder in each case.

- (A) 4 (B) 7 (C) 9 (D) 8

85. The number of number-pairs lying between 40 and 100 with their H.C.F. as 15 is

- (A) 3 (B) 4 (C) 5 (D) 2

86. A, B, C, D start at the same time to run around a circular garden in the same direction. A completes a round in 30 minutes, B in 60 minutes, C in 90 minutes and D in 105 minutes. After what time will they meet again at the starting point?

- (A) 15 hours (B) 10 hours  
(C) 21 hours (D) 20 hours

87. Find the greatest number of 4 digits which is divisible by 15, 25, 40 and 75

- (A) 9600 (B) 3000  
(C) 9800 (D) 8540

88. Dr. Muthulakshmi Reddy started an orphanage known as

- (A) Saraswathi Illam  
(B) Avvai Illam  
(C) Anbu Illam  
(D) Lakshmi Illam

89. Match the following :

List I		List II	
(a) Rajendra Chola I		1. Brahma Giri	
(b) Karavela		2. Allahabad	
(c) Ashoka		3. Hathi Kumbha	
(d) Samudra Gupta		4. Malpadi	
(a)	(b)	(c)	(d)
(A) 2	4	3	1
(B) 3	1	2	4
(C) 4	3	1	2
(D) 1	2	4	3

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## GROUP IV GENERAL STUDIES - 2013 (ENGLISH)

90. Match List I with List II and select the correct answer using the codes given below:

List I		List II	
(a) Brahma Samaj		1. Swami	
(b) Arya Samaj		Vivekananda	
(c) Ramakrishna Mission		2. Madame	
		Blavatsky	
(d) Theosophical society		3. Rajaram	
		Mohan Roy	
		4. Swami	
		Dayanand	
		Saraswathi	

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

91. Match the following river names with suitable options :

List I	List II
(Ancient Name)	(New Name)
(a) Shutudri	1. Chenab
(b) Vipas	2. Sutlej
(c) Parushini	3. Beas
(d) Asikini	4. Ravi

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

92. Arrange the following literary works in Chronological order :

1. Mudra rakshasa
2. Mattavilasa Prakasana
3. Milindapanho
4. Arthasastra

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

93. What is the study of Algae called?

- (A) Physiology                      **(B) Phycology**  
 (C) Mycology                         (D) Pomology

94. Which of these is not among the BRIC Nations?

- (A) Chile**    (B) Brazil    (C) China    (D) India

95. Match List I with List II and choose the correct option using the coding scheme given below :

List I	List II
(A) National Rural	
Employment Programme	1. 1985
(B) Jawahar Rozgar Yojana	2. 1993
(C) Indira Awaz Yojana	3. 1980
(D) Prime Minister's Rozgar	
Yojana	4. 1989

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

96. The name of World's fastest Super Computer, announced on June 19, 2012 is

- (A) HCL                                      **(B) Sequidia**  
 (C) Intel                                     (D) Lenova

97. Who gave the name "Hindu rate of growth"?

- (A) Dandekar and Rath  
**(B) Raj Krishnan**  
 (C) P.D. Ojha  
 (D) B.S. Minhas

98. Arrange the following countries based on the number of medals won in London Olympics-2012 in descending order.

1. Britain
  2. Russia
  3. China
  4. America
- (A) 1, 3, 2,                                      **(B) 4, 3, 1, 1**  
 (C) 4, 2, 1, 3                                 (D) 4, 1, 3, 2

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## GROUP IV GENERAL STUDIES - 2013 (ENGLISH)

99. Which article of the constitution provides for the imposition of President's rule in the states?

- (A) Article 354                      (B) Article 355  
**(C) Article 356**                      (D) Article 357

100. 'Aurora Borealis', the so called northern lights are due to

- (A) the atomic collision of the trapped cosmic ray particles in the Earth's magnetic field**  
(B) the presence of a special phosphorescent material in the pole  
(C) the interference of solar and terrestrial radiations  
(D) all of the above

