

TNPSC - VAO

GENERAL STUDIES (ENGLISH) - 2013

1. Match the following list I and II and select correct option :
- | List I | List II |
|-----------------------------|-----------------|
| (a) The products | 1. Bacteria |
| (b) The primary consumers | 2. Herbivores |
| (c) The secondary consumers | 3. Carnivores |
| (d) The decomposers | 4. Green plants |
- (a) (b) (c) (d)
- (A) 1 3 2 4
(B) 4 2 3 1
 (C) 3 1 4 2
 (D) 2 4 1 3
2. Diabetes inspidus is caused due to the insufficiency of this hormone
(A) ADH (B) Insulin
 (C)FSH (D) ACTH
3. According to Five Kingdom classification of plants by Whittaker, the kingdom protista includes all
 (A) prokaryotic organisms
(B) eukaryotic unicellular organisms
 (C) multicellular eukaryotic organisms
 (D) multicellular filamentous fungi
4. Hydroponics is otherwise called as
 1. Soil-less agriculture
 2. Tank farming
 3. Chemical gardening
 4. All the above
 Choose the correct code :
 (A) 1 and 2 only (B) 1 only
 (C) 2 and 3 only **(D) 4 only**
5. Which of the following is not correct?
 (A) Subramania Bharathi - Panchali Sabatham
 (B) Mrs. Annie Besant - Wakeup India
 (C) E. V. Ramasamy - Republic
(D) Dr. G. U. Pope - Desapakthan
6. Match list I with list II and select the correct answer using the codes given below the lists :
- | List I | List II |
|------------------|------------------------------|
| (A) Vanchinathan | 1. Swatantara party |
| (B) V. O. C. | 2. Vaikom Satyagraha |
| (C) Rajaji | 3. Swadeshi Shipping Company |
| (D) E.V.R. | 4. Collector Ashe |
- (a) (b) (c) (d)
- (A) 3 1 2 4
(B) 4 3 1 2
 (C) 1 3 4 2
 (D) 2 1 3 4
7. Arrange the following events in ascending order :
 1. Individual Civil Dis-obedience Movement
 2. Cripps Mission
 3. Quit India Mission
 4. Wavell Plan
(A) 1, 2, 3, 4 (B) 2, 1, 3, 4
 (C) 4, 3, 2, 1 (D) 4, 2, 3, 1
8. W.C. Banerjee belonged to which of the following place?
(A) Calcutta (B) Mumbai
 (C) Delhi (D) Nagpur
9. Match :
- | | |
|--|---------|
| (A) Jawahar Grama Sannidhi Yojana | 1. 2000 |
| (B) National Social Assistance Programme | 2. 1993 |
| (C) Employment Assurance Scheme | 3. 1995 |
| (D) Pradhan Mantri Gramodaya Yojana | 4. 1999 |
- (a) (b) (c) (d)
- (A) 3 2 4 1
 (B) 4 2 1 3
(C) 4 3 2 1
 (D) 2 3 1 4

10. Choose the correct answer :
 No. of banks nationalised in the years 1969 and 1960
 (A) 14 and 8 (B) 6 and 12
(C) 14 and 6 (D) 8 and 12

11. Consider the following :
1. It is generally agreed that education is both consumption and investment.
 2. Human capital can be increased by investing in education, health and migration.
 3. The Indian education system is marked by equalities.
 4. In the year 1976 National policy on education was formulated.

Select which is not correct :

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

12. According to 2011 census the total literacy rate of Tamil Nadu _____ %.
 (A) 75.30 **(B) 80.33**
 (C) 85.55 (D) 93.80

13. Which day is declared as World Poverty Day by U.N.?
 (A) 15th of October **(B) 17th of October**
 (C) 16th of October (D) 7th of October

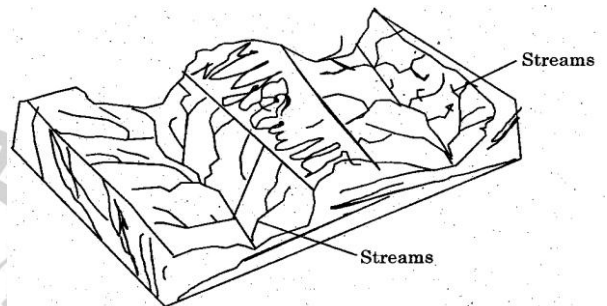
14. One Rupee Note, One Rupee Coin and other subsidiary coins are issued by
 (A) Reserve Bank of India
 (B) Finance Minister of India
 (C) Governor of Reserve Bank of India
(D) Department of Finance, Government of India

15. The pressure on a swimmer 10 m below the surface of the lake
 (a) increases
 (b) decreases
 (c) does not change

- (A) (a) alone is correct**
 (B) (b) alone is correct
 (C) both (a) and (c) are correct
 (D) both (b) and (c) are correct

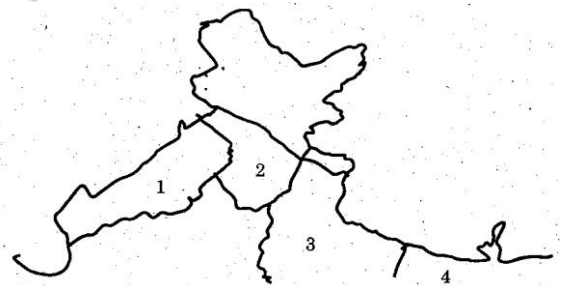
16. Choose which is incorrectly matched
 (A) Surface tension - Nm⁻¹
(B) Linear density - Kg m⁻³
 (C) Angular Velocity - rads⁻¹
 (D) Pressure - Nm⁻²

17. Find out the landform which is in between the two drainage basin.



- (A) Water divide** (B) Gorge
 (C) Canyon (D) Waterfall

18. Identify the great plains of India and name them.

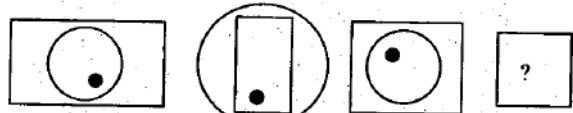
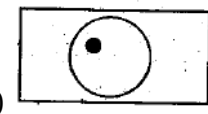


- (A) Sutlaj Yamuna plain
 (B) Rajasthan plain
 (C) Middle Ganga plain
 (D) Upper Ganga plain

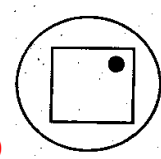
- | | | | | |
|------------|----------|----------|----------|----------|
| | 1 | 2 | 3 | 4 |
| (A) | b | a | d | c |
| (B) | a | b | c | d |
| (C) | c | d | b | a |
| (D) | d | c | b | a |

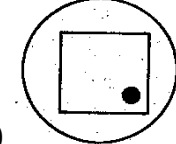
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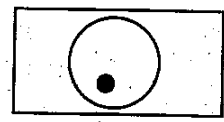
19. Which of the following statement is not correct?
- (A) Oxidation is a process of addition of oxygen
 (B) Oxidation is a process of removal of hydrogen
 (C) Oxidation is a process in which an atom loses one or more electrons
(D) Oxidation is a process in which an atom gains one or more electrons
20. The chemical compounds used to kill rats and mice are called as _____
- (A) Fungicides
 (B) Herbicides
(C) Rodenticides
 (D) Insecticides
21. National Voters Day has been celebrated on
- (A) January 26 **(B) January 25**
 (C) August 15 (D) October 2
22. Right to Education is given through which of the following Amendment?
- (A) 86th** (B) 87th
 (C) 88th (D) 89th
23. Which one of the following articles has the provision to dissolve a state assembly?
- (A) Article 170 (B) Article 171
 (C) Article 352 **(D) Article 356**
24. The First Women Governor of Tamilnadu is
- (A) Sarojini Naidu (B) Lakshmi
(C) Fatima Bivi (D) Pradeepa Patel
25. Who is the political head of a Corporation?
- (A) Chairman
 (B) Commissioner
(C) Mayor
 (D) District Board President
26. Choose the correct answer :
 The Father of Local self government is
- (A) Lord Curzon (B) Lord Wellesley
(C) Lord Rippon (D) Lord Dalhousie
27. The difference between the C.I and S.I on Rs. 4,000 for 2 years at 10% is
- (A) Rs. 40** (B) Rs. 400
 (C) Rs. 50 (D) Rs. 500
28. Three numbers are in the ratio 2 : 3 : 5 and the sum of their squares is 608, then the numbers are respectively
- (A) 6, 16, 10 **(B) 8, 12, 20**
 (C) 12, 8, 20 (D) 20, 8, 12
29. At what rate of S.I Rs. 4, 000 will amount to Rs. 5,000 in 4 years?
- (A) $6\frac{1}{4}\%$** (B) 6%
 (C) $5\frac{1}{2}\%$ (D) $6\frac{3}{4}\%$
30. Identify the missing alphabet.
 C G L R?
 (A) W (B) T
 (C) V **(D) Y**
31. Next figure in the sequence :
- 
- 

(A)



(B)
- 

(C)



(D)

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32. A and B together can do a work in 6 days, B can do the same work in 15 days. In how many days can A do the same work ?

- (A) 10 days (B) 9 days
(C) 7 days (D) 20 days

(B)

Marks	Frequency
45	6
70	9
75	7
80	8

33. The next number in the series 16, 13, 17, 12, 18, 11, 19, 10, is

- (A) 9 (B) 14 (C) 13 **(D) 20** (C)

34. $5 + 11 + 17 + \dots + 95 =$

- (A) 200 (B) 400
(C) 600 **(D) 800**

Marks	Frequency
45	7
70	8
75	8
80	7

35.

3	5	7
11	13	17
19	x	29

x is equal to

- (A) 25 (B) 21 (C) 22 **(D) 23**

(D)

Marks	Frequency
45	7
70	8
75	7
80	8

36. Consider the marks scored by 30 students :

75 70 80 80 45 80 70 75 45
70 75 70 80 45 45 45 75 70
75 80 80 45 80 70 75 70 70
80 75 70

Which one of the following tables represent the above data?

(A)

Marks	Frequency
45	6
70	10
75	7
80	7

37. The pair of missing letters in the series DE, HI, NO, — —

- (A) VW **(B) TU** (C) ST (D) RS

38. The song "Bande Matharam", was first sung in which congress session

- (A) Bombay - 1885 (B) Madras - 1888
(C) Calcutta - 1906 (D) Lahore - 1929

39. Which is the following site belongs to Paleolithic rock shelters?

- (A) Harappa (B) Belan
(C) Bhimbetka (D) Ranchi

40. Who won the title of "Gnana Samudra" in music during Mughal period?

- (A) Tansen **(B) Lalkhan**
(C) Jaganath (D) Janardhan

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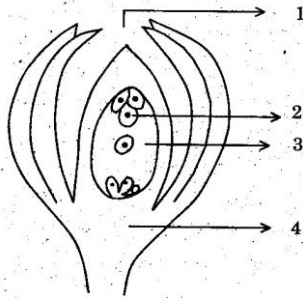
41. Which one of the following is/are correct?
1. Akbar's tomb (Sikkandara) was completed by Shajahan
 2. Agra Fort is situated on the banks of River Ganga
 3. Moti Masjid was built by Akbar
 4. Bulandarwaza was built in Fatehpur Sikri
- (A) 1 only (B) 3 and 4
(C) 1, 2, 3 (D) 4 only
42. Which of the following statement is not correct?
- (A) Mahendravarman was a Jain
(B) He was converted to Saivism
(C) **He destroyed the Buddhist Vihara at Thiruppapuliur**
(D) He constructed a Siva temple at Thiruvadigai
43. Consider the following statements regarding linguistic reorganisation of the States and choose the correct options.
1. Linguistic provinces Commission was headed by Patel
 2. This Commission did not favour for linguistic provinces
 3. In 1953 Andhra was created as a separate State
 4. Simultaneously, Madras was created as a Tamil speaking State
- (A) 1 and 2 (B) 2 and 3
(C) 1 and 4 (D) 3 and 4
44. Arrange the following Indian States' based on total population from the least to the highest
1. Mizoram 2. Delhi
 3. Puducherry 4. Sikkim
- (A) 1, 2, 3 and 4
(B) 2, 3, 1 and 4
(C) 3, 4, 1 and 2
(D) 4, 1, 3 and 2
45. The first dedicated Navigation satellite launched by ISRO in July 2013 is
- (A) **IRNSS-1A** (B) IRNSS-2D (C) INSAT-4E (D) GSAT-11
46. Identify X in the French open 2013, finals Serena Williams Vs Maria Sharapova and X Vs David Ferrer
- (A) **Rafael Nadal** (B) Mike Bryan
(C) Michael Llodra (D) Nicolas Mahut
47. The first Indian woman with an artificial leg to conquer Mount Everest is
- (A) **Arunima Sinha** (B) Bachendri Pal
(C) Santhosh Yadav (D) Maria Pal
48. Consider the following statements
1. November 11th - celebrated as National Education Day
 2. November 24th - celebrated as National Girl Child Day
- Select which is/are correct
- (A) 1 only (B) 2 only
(C) **1 and 2** (D) Neither 1 nor 2
49. Which country is the largest producers of silk in the World?
- (A) China (B) India
(C) **Japan** (D) Russia
50. Dr. M.S. Swaminathan Research Institute is located in
- (A) **Chennai** (B) Lucknow
(C) Mumbai (D) New Delhi
51. Haemoglobin is called as respiratory pigment because Consider the statement :
1. It transports O₂ and CO₂
 2. It gives red colour to the RBC
- Select the correct answer using the codes
- (A) **1 only**
(B) 2 only
(C) Both 1 and 2
(D) Neither 1 nor 2

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52. In the cerebrum, the two hemispheres are connected at the base by
(A) corpus callosum
 (B) cranial nerves
 (C) carpora quadrigemina
 (D) the pons

53. Choose the correct order of parts marked in the given diagram.



- (A) (1) Chalaza (2) Micropyle
 (3) Egg (4) Embryo sac
 (B) (1) Micropyle (2) Embryosac
 (3) Egg (4) Chalaza
(C) (1) Micropyle (2) Egg
(3) Embryo sac (4) Chalaza
 (D) (1) Synergid (2) Egg
 (3) Embryo sac (4) Chalaza

54. In anaerobic respiration, the respiratory quotient of glucose is infinity. Give the reason.
(A) CO₂ is evolved but O₂ is not consumed

- (B) CO₂ is consumed also O₂ is consumed
 (C) CO₂ and O₂ is evolved
 (D) CO₂ only consumed

55. Consider the following pairs :

1. Swadeshi - Annie Besant
 2. Maratha - Boycott Movement
 3. Home Rule Movement - English Weekly
 4. Minto-Morley Act - 1909

- Which of the pair given above is/are correct?
 (A) 1, 2 and 4 **(B) 4 only**
 (C) 2 and 4 (D) 3 and 2

56. Consider the following statements :
 Assertion (A) : Tilak did not accept the Lucknow pact.
 Reason (R) : Tilak was an extremist.
 (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

57. Match list I with list II and select the correct answer using the codes given below:

List I

List II

- (A) Non-Cooperation Movement
 (B) W.C. Banerjee
 (C) Lord Dufferin
 (D) H.O. Hume

1. Civil Servant
 2. Gandhiji
 3. Viceroy
 4. Barrister

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

58. Match the following :

- (a) Khilafat Movement 1. 1927
 (b) Swaraj Party 2. 1920
 (c) Simon Commission 3. 1928
 (d) Nehru Report 4. 1923

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

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59. One of the major objective of land reform is
 (A) to improve agricultural marketing
 (B) to provide raw materials for industries
 (C) **to facilitate the land based development of rural poor**
 (D) to provide food grains for the entire population
60. Choose the correct answer:
 Which of the formula given below is being used to measure agricultural productivity?
 (A) $\frac{\text{Total production}}{\text{Area of land}}$
 (B) $\frac{\text{Total production}}{\text{No. of workers employed}}$
 (C) $\frac{\text{Total production}}{\text{Amount of inputs employed}}$
 (D) $\frac{\text{Total production}}{\text{Total capital employed}}$
61. Consider the following statements :
 Assertion (A) : One great defect of our educational system is that it leads one to take up professional degree only.
 Reason (R) : Indian educational system is not adequately diversified.
 Now, select your answer according to the codes below :
 (A) **Both (A) and (R) are true**
 (B) (A) is true but (R) is false
 (C) (A) is false but (R) is true
 (D) Both (A) and (R) are false
62. A company director is acting as _____
 (A) Agent of the company
 (B) Trustee of the company
 (C) Executive officer of the company
 (D) **All of these**
63. Choose the correct answer.
 "The time taken by light to come from the sun"
 (A) 18 minutes 20 sec
 (B) **8 minutes 20 sec**
 (C) 20 sec
 (D) 8 sec
64. Assertion (A) : A cricket player while catching a ball lowers his hands in the direction of the ball.
 Reason (R) : To increase the time of contact between the ball and the hand.
 (A) **(A) and (R) are correct**
 (B) (A) is correct (R) is wrong
 (C) (A) is wrong (R) is correct
 (D) (A) is correct and (R) is the wrong explanation of (A)
65. 1. The national waterways of India identified 5 water ways.
 2. Saidiya - Dhubri stretch is in the river Krishna.
 Which of the statements given above is/are correct?
 (A) 1 and 2 are correct
 (B) 2 only correct
 (C) **1 is correct and 2 is wrong**
 (D) 1 is wrong and 2 is correct
66. Lakshadweep islands are known for _____
 (A) Peaches
 (B) Rubber
 (C) Marshes
 (D) **Corals**
67. Tick the correct option.
 Temperature remains constant in
 1. Troposphere
 2. Stratosphere
 3. Tropopause
 4. Mesosphere
 (A) 1 only
 (B) 2 only
 (C) 1 and 2
 (D) 3 and 4

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68. Choose the source of black soil from the following :
- (A) **Igneous rocks** (B) Sedimentary Rocks
(C) Metamorphic rocks (D) Laterite rocks
69. Assertion (A) : Rann of Kutch is an extensive tract of naked tidal mudflats transacted by creeks.
Assertion (R) : Live creeks form dendritic pattern of drainage and there has been accentuation in the pattern due to sea level rise.
- (A) Assertion 1 only true
(B) Assertion 2 only true
(C) Assertion 1 and 2 is true
(D) **Assertion 1 is true and 2 is false**
70. The chemical compound responsible for the smell of chlorine in the drinking water supplied by Corporation is
- (A) CaCl_2 (B) **CaOCl_2**
(C) HCl (D) NaCl
71. Match List I with List II.
- | List I | List II |
|------------------------------|----------------|
| (a) HCl | 1. Weak acid |
| (b) NaOH | 2. Strong acid |
| (c) $\text{Ca}(\text{OH})_2$ | 3. Strong base |
| (d) CH_3COOH | 4. Weak base |
- Select the correct answer using the codes given below
- | (a) | (b) | (c) | (d) |
|--------------|----------|----------|----------|
| (A) 2 | 3 | 4 | 1 |
| (B) 4 | 2 | 1 | 3 |
| (C) 3 | 4 | 1 | 2 |
| (D) 4 | 3 | 2 | 1 |
72. Which of the following words did not find a place in the preamble of the Constitution of India as adopted by the Constituent Assembly on 26th November 1949?
- (A) **Socialist** (B) Republic
(C) Sovereign (D) Democracy
73. Kudavolai system was followed by
- (A) The Cheras (B) The Pandiyas
(C) **The Cholas** (D) The Aryas
74. In which year, the branch of Chennai High Court was created in Madurai?
- (A) 2007 (B) 2006
(C) **2004** (D) 2002
75. The HCF of $x^2 - 6x + 9$, $x^3 - 27$ is
- (A) $x + 3$ (B) **$x - 3$**
(C) $x^2 - 9$ (D) $x - 9$
76. If HCF and LCM of two numbers are 12 and 144 respectively. If one number is 36, the other number is
- (A) 96 (B) **48**
(C) 72 (D) 24
77. The least number which when divided by 15, 24, 32 and 45 leaves the remainder 8, 17, 25 and 38 respectively is
- (A) 1447 (B) 1440
(C) 1443 (D) **1433**
78. $\sqrt{56 + \sqrt{8\sqrt{64}}} =$
- (A) **8** (B) 7 (C) 5 (D) 6
79. If n , $n + 2$, $n + 4$ are prime numbers, then the least value of n is
- (A) 7 (B) 2 (C) **3** (D) 1
80. The value of $\sqrt{\frac{0.25}{1.44} \times \frac{3.6 \times 4.9}{6.25}} =$
- (A) **0.7** (B) 0.9 (C) 0.6 (D) 0.8
81. If the mean of x , $x + 3$, $x + 6$, $x + 9$, $x + 12$ is 60; then the value of x is
- (A) 18 (B) 28 (C) 32 (D) **54**

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82. Anand earns Rs. 80 in 7 hrs. Ram earns Rs. 90 in 12 hrs. The ratio of their earnings is

- (A) 23 : 12 (B) 8 : 9
(C) 32 : 21 (D) 7 : 12

83. The sum of two numbers is 40. Their difference is 4, then the ratio of the numbers is

- (A) 11 : 8 **(B) 11 : 9**
 (C) 10 : 7 (D) 10 : 9

84. If $a : b = 2 : 3$, $b : c = 5 : 7$ then $a : b : c$ is

- (A) 10 : 21 : 15
 (B) 15 : 10 : 21
(C) 10 : 15 : 21
 (D) 21 : 10 : 15

85. The first term and sixth term of a G.P are 2 and 486 respectively. The sum of its first six terms is

- (A) 628 (B) 828
(C) 728 (D) 928

86. The following table shows the details of Engineering Graduates seeking employment in different fields in a year

I.T	Business	Banking	Civil Service	Legal
55%	10%	25%	5%	05%

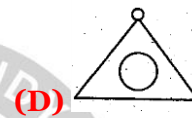
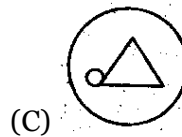
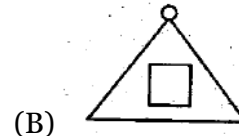
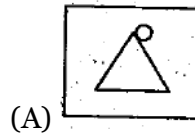
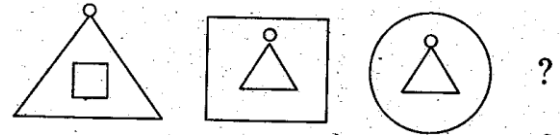
If 10,000 Engineering Graduates try employment in civil services, then the number of Engineering graduates seeking job in I.T. field is

- (A) 1,00,000
(B) 1,10,000
 (C) 1,20,000
 (D) 80,000

87. If DOCTOR corresponds to the numbers 4, 15, 3, 20, 15, 18 then the numbers 3, 21, 18, 5, 19 corresponds to

- (A) CUTES **(B) CURES**
 (C) CUBES (D) CARES

88. The next fig in the following sequence is



89. Name the place exclusively devoted to craft production during Harappan civilisation.

- (a) Mohenjodaro **(B) Chanhudaro**
 (C) Dholavira (D) Lothal

90. Arrange in chronological order :

1. Invasion of Timur on Delhi
2. Construction of Qutb Minar
3. Ascendency of Razia in Delhi
4. Malik Kafur's South Indian Invasion

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

91. Consider the following statements regarding Chatrapathi Shivaji

1. Shivaji ransacked the Mugal's port Surat in 1664 A.D.
2. In 1665, treaty of Purandhar was signed between Shivaji and Jaisingh.
3. In 1674, Shivaji himself made a title Chatrapathi at Raigarh.
4. Astapradhan, the group of eight ministers who assist Chatrapathi Shivaji.

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- Choose the correct option
- (A) 1, 3 and 4 (B) 1, 2 and 4
- (C) All are correct** (D) I only
- 92.** Who was the author of "A forgotten empire"?
- (A) Sewell** (B) Abdul Razzaq
- (C) Iswari Prasad (D) Nicolo Conti
- 93.** The phrase 'Unity in Diversity' was coined by
- (A) Subramaniya Bharathiyar
- (B) Subramaniya Siva
- (C) K.K. Pillai
- (D) Jawaharlal Nehru**
- 94.** Match the following :
- | | |
|--|---|
| Agencies of UNO
(a) World Trade Organization
(b) World Food Programme
(c) United Nations Populated Fund
(d) Universal Postal Union | Country
1. Bern
2. New York
3. Geneva
4. Rome |
|--|---|
- | | | | |
|--------------|----------|----------|----------|
| (a) | (b) | (c) | (d) |
| (A) 3 | 4 | 2 | 1 |
| (B) 3 | 2 | 1 | 4 |
| (C) 4 | 3 | 2 | 1 |
| (D) 4 | 2 | 3 | 1 |
- 95.** Match the following :
- | | | |
|---|---|--|
| Famous painting
(a) Madhubani
(b) Phad
(c) Patachitra
Pradesh
(d) Kalamkari | States
1. Rajasthan
2. Bihar
3. Andhra
4. Odissa | |
|---|---|--|
- | | | | |
|--------------|----------|----------|----------|
| (a) | (b) | (c) | (d) |
| (A) 2 | 1 | 4 | 3 |
| (B) 1 | 4 | 3 | 2 |
| (C) 4 | 1 | 3 | 2 |
| (D) 1 | 2 | 4 | 3 |
- 96.** Which is not correctly matched (India's Nuclear Power Programme)?
- | | | |
|-------------------|----------|-------------|
| (A) Tarapur | - | 1969 |
| (B) Rawatbhata | - | 1972 |
| (C) Kalpakkam | - | 1985 |
| (D) Narora | - | 1995 |
- 97.** Who is the Chief Executive Officer of the City Corporation?
- (A) Mayor
- (B) The Commissioner**
- (C) Deputy mayor
- (D) The Chief Minister
- 98.** Chennai-Krishna Water Scheme was inaugurated in
- | | |
|----------|-----------------|
| (A) 1981 | (B) 1983 |
| (C) 1985 | (D) 1989 |
- 99.** Identify the Indian personality
1. She had set a record in the Guinness Book in 1982
 2. She was popularly known as the 'Human Computer'
 3. She passed away in April 2013
- (A) Shakuntala Devi**
- (B) Kalpana Chawla
- (C) M.S. Subbulakshmi
- (D) Lata Mangeshkar
- 100.** Select the Tamil Nadu Coach for the year 2013- 14 to train the cricketers for Ranji Trophy
- (A) W. V. Raman**
- (B) K. Srikanth
- (C) B. Arun
- (D) Suni Gavaskar