General Studies Model Questions – 6

1. Match the following:

(a) Krebs cycle  
   (b) Ubiquinone  
   (c) Glycolysis  
   (d) Acetyl – CoA

   1. Occurs in cytoplasm  
   2. Diffuse from cytoplasm to mitochondria  
   3. Mobile carrier  
   4. Occurs in mitochondrial matrix

(a) (b) (c) (d)

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

Ans - (A) 4 3 1 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
Ans - (B) III

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

   Ans - (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

   Ans - (B) 2

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) \( V = 2g \) (B) \( V = 2g \) (C) \( V = 2Rg \) (D) \( V = 2Rg \)

   Ans - (C) \( V = 2Rg \)
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) \( \frac{9}{E} = \frac{1}{N} + \frac{3}{K} \)

Ans - (A) \( \frac{9}{E} = \frac{3}{N} + \frac{1}{K} \)

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\(^{-2}\)

Ans - (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

Ans - (C) III only
9. Match the following:

(a) Sericulture  
(b) Horticulture  
(c) Aquaculture  
(d) Apiculture

<table>
<thead>
<tr>
<th></th>
<th>(a) Sericulture</th>
<th>(b) Horticulture</th>
<th>(c) Aquaculture</th>
<th>(d) Apiculture</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>3</td>
<td>4</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>B</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>1</td>
</tr>
<tr>
<td>C</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>D</td>
<td>4</td>
<td>3</td>
<td>2</td>
<td>1</td>
</tr>
</tbody>
</table>

Ans - (A) 3 4 1 2

10. Expand FAT

(A) First Allocation Type  
(B) File Allocation Type  
(C) First Allocation Table  
(D) File Allocation Table

Ans - (D) File Allocation Table
FAT என்பது என்னவாகும் என்னையும் ஏனாலும்

(A) பரப்பியும் படகுவியம் (First Allocation Type)
(B) கூட்டும் படகுவியம் (File Allocation Type)
(C) பரப்பியும் படகுவியம் (First Allocation Table)
(D) கூட்டும் படகுவியம் (First Allocation Table)
Ans – (D) கூட்டும் படகுவியம் (First Allocation Table)

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
Ans - (B) Auxiliary Storage

12. Give the value of Terabyte.

(A) 2^{10}  (B) 2^{20}  (C) 2^{30}  (D) 2^{40}
Ans - (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
Ans - (C) Wireless communication between devices

‘பானடி’ என்பது என்னையும் ஏனாலும்

(A) பரப்பியும் படகுவியம்
(B) கூட்டும் படகுவியம்
(C) பரப்பியும் படகுவியம்
(D) கூட்டும் படகுவியம்
Ans – (C) பரப்பியும் படகுவியம்
14. The plant type which colours the ocean surface water red is

(A) Dinoflagellates  (B) Golden algae
(C) Green algae      (D) Red alage

Ans - (A) Dinoflagellates

15. Match List I with List II and select the correct answer :

List I (Climate)           List II (Reason)
(a) Chennai is warmer than Kolkatta    1. Distance from Sea
(b) Snowfall in Himalayas             2. Altitude
(c) Rainfall decreases from west Bengal to Punjab 3. Western Disturbance
(d) Winter Rainfall                   4. Latitude

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

Ans - (D) 4  2  1  3
16. Which of the following is not a planetary wind?
   (A) Westerlies          (B) Trade winds
   (C) Monsoon            (D) Polar easterlies
   Ans - (C) Monsoon

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
   Ans - (A) Eastern part of Western Ghats

18. Consider the following statements and choose the correct answer from the given options.
   I. Shompens is 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
   Ans - (C) I and II are true
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 Viswantha, Balaji Baji rao, Baji Rao I, Shivaji

(A) I and II only  (B) II and III only
(C) I only  (D) III only

Ans - (C) I only

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

Ans - (C) I and II
21. Match List I with List II correctly and select answer :

<table>
<thead>
<tr>
<th>List I</th>
<th>List II</th>
</tr>
</thead>
<tbody>
<tr>
<td>(a) Santhal’s Rebellion</td>
<td>1. 1923</td>
</tr>
<tr>
<td>(b) Maplah Rebellion</td>
<td>2. 1929</td>
</tr>
<tr>
<td>(c) Vizag Revolution</td>
<td>3. 1921</td>
</tr>
<tr>
<td>(d) Bardoli Satyagraha</td>
<td>4. 1855</td>
</tr>
</tbody>
</table>

(a) (b) (c) (d)

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

Ans - (C) 4 3 1 2

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

<table>
<thead>
<tr>
<th>List I</th>
<th>List II</th>
</tr>
</thead>
<tbody>
<tr>
<td>(a) Dupleix</td>
<td>1. Nawab of Bengal</td>
</tr>
<tr>
<td>(b) Anwar-ud-din</td>
<td>2. British Admiral</td>
</tr>
<tr>
<td>(c) Shuja-ud-Daula</td>
<td>3. French Governor</td>
</tr>
<tr>
<td>(d) Polock</td>
<td>4. Nawab of Carnatic</td>
</tr>
</tbody>
</table>

(a) (b) (c) (d)

(A) 3 2 4 1
23. Match List I with List II of the following with suitable options:

<table>
<thead>
<tr>
<th>List I</th>
<th>List II</th>
</tr>
</thead>
<tbody>
<tr>
<td>(a) Kural</td>
<td>1. Rishabham</td>
</tr>
<tr>
<td>(b) Thutham</td>
<td>2. Shadjam</td>
</tr>
<tr>
<td>(c) Kaikilai</td>
<td>3. Madhyamam</td>
</tr>
<tr>
<td>(d) Vuzhai</td>
<td>4. Gandharam</td>
</tr>
</tbody>
</table>

(a) (b) (c) (d)

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

Ans - (C) 3 4 1 2
24. Match List I with List II of the following with suitable options:

<table>
<thead>
<tr>
<th>List I</th>
<th>List II</th>
</tr>
</thead>
<tbody>
<tr>
<td>(a) Brahmanas</td>
<td>1. Forest Texts</td>
</tr>
<tr>
<td>(b) Sama veda</td>
<td>2. Guide Book for Priests</td>
</tr>
<tr>
<td>(c) Aranyakas</td>
<td>3. Ritual Texts</td>
</tr>
<tr>
<td>(d) Yajur Veda</td>
<td>4. Book of Chants</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>(a)</th>
<th>(b)</th>
<th>(c)</th>
<th>(d)</th>
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</thead>
<tbody>
<tr>
<td>(A)</td>
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<tr>
<td>(B)</td>
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<td>4</td>
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<td>(C)</td>
<td>3</td>
<td>1</td>
<td>4</td>
</tr>
<tr>
<td>(D)</td>
<td>1</td>
<td>2</td>
<td>3</td>
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</tbody>
</table>

Ans - (B) 3 4 1 2
25. Which of the following is/are not correct?

Minto-Morley reforms of 1909 introduced the following.

I. The system of direct election was introduced 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

Ans - (B) I and III

26. Who bestowed the title Sardar on Vallabhai Patel?

(A) Dadabhai Naoroji  (B) Jawaharlal Nehru
(C) Mahatma Gandhi  (D) Rajendra Prasad

Ans - (C) Mahatma Gandhi

27. During 1857 revolt which army remained loyal to the British?

(A) Bombay Army  (B) Bengal Army
(C) Madras Army  (D) Avadh Army

Ans - (C) Madras Army
Ans - (C) Madras Army

1857-ஆம் ஆண்டு புதும்பிள்ளை புலம்பு ஆயிரநிலைப்படி எழுந்தார் என்ன விளக்கத்தை கூறுவது கூறுவது?

(A) பாண்டப் புற்றுக்கை
(B) புதும்பாக புற்றுக்கை
(C) கொரில்லா புற்றுக்கை
(D) அமிதாப் புற்றுக்கை

Ans - (C) கொரில்லா புற்றுக்கை

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 Marath forts
(C) Chakra Bisoi was the khonds leader
(D) Sindhu and Kanhu were the leaders of the kola

Ans - (D) Sindhu and Kanhu were the leaders of the kola

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

Ans - (B) 3 1 4 2

பொதுத்தான் எழுந்தார் என்ன விளக்கத்தை கூறுவது?

(a) பாண்டப் புற்றுக்கை 1. 1928
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

Ans - (C) (c) alone

31. Among the 50 students in a class, what percentage of students like biology and chemistry?
### Subjects and No. of Students

<table>
<thead>
<tr>
<th>Subjects</th>
<th>No. of Students</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mathematics</td>
<td>6</td>
</tr>
<tr>
<td>Physics</td>
<td>12</td>
</tr>
<tr>
<td>Chemistry</td>
<td>15</td>
</tr>
<tr>
<td>Biology</td>
<td>8</td>
</tr>
<tr>
<td>Computer science</td>
<td>9</td>
</tr>
</tbody>
</table>

### Multiple Choice

(A) 64%  (B) 46%  (C) 23%  (D) 77%

Ans - (B) 46%

32. For any n observations of data, what is the value of $(x) - nx$?

(A) $n(x)$  (B) $(n-2)x$  (C) $(n-1)x$  (D) 0

_ans - (D) 0

33. Simplify: $0.728 \times 0.728 - 0.272 \times 0.272 / 0.456$

(A) 0.456  (B) 1  (C) 0.728  (D) 0.272

_ans - (B) 1
34. If \( x/y = 3/5 \), then \( 5x + 2y/5x - 2y \) is equal to
   (A) 3  (B) 5  (C) 2/5  (D) 5/2
   Ans - (B) 5

\( x/y = 3/5 \), என்னும் \( 5x + 2y/5x - 2y \) என்பது எது சமம்?
   (A) 3  (B) 5  (C) 2/5  (D) 5/2
   Ans - (B) 5

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
   Ans - (B) 40

செய்தி குறிப்பிட்டு அக்கூறு என்னும் மாதிரி எளிதால் முதலாம் நாளிலில் என இரண்டு மாதத்துக்கு மற்றும் 8

பகுதிகளுக்கு எளிதால் அதன்வாய் என்னும் மாதிரிக் குறிப்பிட்டு, என்னும் மாதிரிக் குறிப்பிட்டுத் தொடர்ந்து என்னும்?
   (A) 42  (B) 40  (C) 45  (D) 48
   Ans - (B) 40

36. Find the value of \( 1.2 \times 1.2 \times 1.2 - 0.2 \times 0.2 \times 0.2/1.2 \times 1.2 + 1.2 \times 0.2 + 0.2 \times 0.2 \)
   (A) 42  (B) 1  (C) 0.2  (D) 1.4
   Ans - (B) 1

\( 1.2 \times 1.2 \times 1.2 - 0.2 \times 0.2 \times 0.2/1.2 \times 1.2 + 1.2 \times 0.2 + 0.2 \times 0.2 \)
   (A) 42  (B) 1  (C) 0.2  (D) 1.4
   Ans - (B) 1

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
   Ans - (D) 10

சலை விளையாட்டுப்படி கிழக்கு 1,500 நூற்றை தொடர்பானது. இறுதியே 1,350க்கு விளையாட்டு

சலை விளையாட்டுப்படி என்ன? 
   (A) 12  (B) 15  (C) 11  (D) 10
   Ans - (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
   Ans - (D) 15:23
Ans - (C) 7:15

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 l  (B) 30 l  (C) 50 l  (D) 60 l

Ans - (D) 60 l

60 வளம் கல்லேரீட்டு, பால் பாணியும் வாடிக்கை விதிக்கும் 2:1. இதற்கே மீது 1:2 என்ற விதமான

சிதைத்தியேண்டு வாடிக்கை விதிக்கும் பால்கள் என்ன மாட்டு?

(A) 20 l  (B) 30 l  (C) 50 l  (D) 60 l

Ans - (D) 60 l

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

Ans - (D) 55

3:5 என்ற விதிக்கையில் இரு எண்கள் அல்லாமல், அவை கீழ்கண்ட விதிக்கும் 9 குறைக்கப்பட்டின் அல்லாமல் 12:23 என்ற விதிக்கையில் இருந்து விதிக்கும் இருந்தனவை.

(A) 52  (B) 53  (C) 54  (D) 55

Ans - (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

Ans - (B) 8,12,20

எண்களை தைக்கும் நூற்றண்டு குற்றங்கள் என்ன கூடியது. இற்கும் விதிக்கையில் விதிக்கும் 2:3:5, என்ன எண்களை தைக்கும்?

(A) 6,9,15  (B) 8,12,20  (C) 10,15,25  (D) 14,21,35

Ans - (B) 8,12,20

42. If 30% of A=0.25 of B=1/5 of C, then find the ratio A:B:C

(A) 15:12:10  (B) 12:15:10  (C) 10:112:15  (D) 10:15:12

Ans - (C) 10:112:15
A - 30% = B - 0.25 = 1/5 C 选项 A:B:C 的比例是多少？

(A) 15:12:10  (B) 12:15:10  (C) 10:11:15  (D) 10:15:12

Ans - (C) 10:11:15

43. What is the third proportional to 0.34 and 0.50 ?

(A) 0.74  (B) 0.75  (C) 0.76  (D) 0.77

Ans - (A) 0.74

0.34 与 0.50 的第三个比例是多少？

(A) 0.74  (B) 0.75  (C) 0.76  (D) 0.77

Ans - (A) 0.74

44. In a cylinder, if radius is doubled and height is halved. then what happens to the curved surfaces area ?

(A) Halved  (B) Doubled  (C) Does not change  (D) Four times

Ans - (C) Does not change

45. The length of side of a rhombus is 5m and one of its diagonal is 8m. then what is the length of other diagonal ?

(A) 5m  (B) 7m  (C) 6m  (D) 8m

Ans - (C) 6m

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

Ans - (C) 24/7 days
A, B, C are three workers. Each can complete the work in 24, 6, 12 days respectively. If A, B, C work together, what is the work done by each worker in a day?

(A) 1/24 days  (B) 7/24 days  (C) 24/7 days  (D) 24/11 days

Ans - (C) 24/7 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

Ans - (A) 10 men

2400 sq.m ploughing work is completed by 12 men 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

Ans - (A) 10 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

Ans - (A) 21 days

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. How many days does it take for 3 times the work to be completed by 8 men and 6 boys?

(A) 21 days  (B) 18 days  (C) 24 days  (D) 36 days

Ans - (A) 21 days

49. The length, breadth and height of a hall are 8m, 40m, 4m respectively and the hall has one door of area 3m x 1.5m. Find the cost of painting the walls at the rate Rs.200 per square metre.

(A) Rs. 28,800  (B) Rs. 59,900  (C) Rs. 27,900  (D) Rs. 60,800

Ans - (C) Rs. 27,900

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Ans - (C) Rs. 27,900

50. If the capacity of a cylindrical tank is 1848 m³ and the diameter of its base 14 m, then find the depth of the tank?


51. The length of a chain used as the boundary of a semicircle park is 72 m. what is the area of the park?

(A) 77 m²  (B) 91 m²  (C) 126 m²  (D) 308 m²

Ans - (D) 308 m²

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

Ans - (B) 1683

53. Find the next number in the following series

4, 6, 9, 13, 1/2

(A) 201 1/4  (B) 22 3/4  (C) 19  (D) 17 1/2

Ans - (A) 201 1/4

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 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 © is the correct explanation for (A)
(D) (A) is true but (R) is false

Ans – (C) Both (A) and (R) are true and © is the correct explanation for (A)

55. Match the following :

(a) Na and K – (i) Obtained by electrolysis of fused salt
(b) Cu and g – (ii) Occur only in native state
(c) Au and Pt – (iii) Occur both native and combined state
(d) Na and Ca – (iv) Reducing agent in metallurgy
(e) Al and Mg – (v) Occur only in combined state

(A) (a)-(v) (b)-(iii) (c)-(ii) (d)-(i) (e)-(iv)
(B) (a)-(iv) (b)-(i) (c)-(ii) (d)-(iii) (e)-(v)
(C) (a)-(ii) (b)-(iii) (c)-(v) (d)-(iv) (e)-(i)
(D) (a)-(iii) (b)-(ii) (c)-(i) (d)-(v) (e)-(iv)

Ans - (A) (a)-(v) (b)-(iii) (c)-(ii) (d)-(i) (e)-(iv)
56. Which of the following is/are wrong?
I. \( \text{Mg}_2\text{C}_3 \) on hydrolysis gives acetylene
II. \( \text{Be}_2\text{C} \) on hydrolysis gives methane
III. \( \text{Al}_4\text{C}_3 \) on hydrolysis gives allylene

(A) I and II  
(B) II and III  
(C) I and III  
(D) I, II and III

Ans - (C) I and III

57. Agricultural unemployment may be classified into:
I. Seasonal unemployment
II. Disguised unemployment
III. Chronic unemployment

Which is the correct answer?
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, 2050

Ans - (C) Two children norm, 2046

60. Match the following and select the correct answer

(a) Taxes revenue  1. Provided 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
(C) 2 1 4 3
61. The National Statistical Commission of India was healed by
   (A) Monteck Singh Ahulwaliya  (B) C. Rengarajan
   (C) Development finance  (D) V.K.R.V. Rao
   Ans - (B) C. Rengarajan

62. The structure of Indian Financial System does not included
   (A) Industrial finance  (B) Agricultural finance
   (C) Development finance  (D) Deficit finance
   Ans - (D) Deficit finance

63. The MGNREGS differs from other poverty alleviation measures in the following respects
   (D) 2 3 4 1
   Ans - (C) 2 1 4 3
I. It focuses on income generation to the targeted poor.
II. It is built around the nations of citizenship and entitlement.
III. It facilitates disclosure by means of regular and social audit.
IV. It opens 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
   Ans - (B) II and III

MGNREGS பிட்டு வாழ்கின்ற கிளைக்குறிக்கையில் பிறந்தவர் குருமனேசுவராய. 
I. MGNREGS அனுப்பிய ஆராய்ச்சி வருமானவும் அதிகாரியும் செயல்பாடும்.
II. நெருங்கிய முயற்சியும் அளவில் சிற்றொழியும் நேரடையும் செயல்பாடும்.
III. விளக்கும் முயற்சியும் சிற்றொழியும் அளவில் நேரடையும் அளவில் 
   செயல்பாடும்.
IV. முயற்சியும் முயற்சியும் அளவில் நேரடையும் அளவில் செயல்பாடும்.
   (A) I முயற்சி II  (B) II முயற்சி III  (C) I முயற்சி IV  (D) II முயற்சி IV
   Ans - (B) II முயற்சி III

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
   Ans - (D) The Public Distribution System

65. The Nutrient Based Subsidy (NBS) policy for fertilizers was implemented in India in
   (A) 1996  (B) 1977  (C) 1991  (D) 2010
   Ans - (D) 2010

66. Which Indian city has been declared as the cleanest city in the ‘Swachh Bharat’ ranking 2015?
67. Who is the chairman of the 20th law commission of India?

(A) Justice. Ajit Prakash Shah  
(B) Justice. Srikrishna 
(C) Justice. Katju  
(D) Justice. K. Balakrishnan

Ans - (A) Justice. Ajit Prakash Shah

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

Ans - (D) Bodhgaya

69. India’s largest telecom operator is

(A) TATA  
(B) Bharati Airtel  
(C) Reliance  
(D) Aircel

Ans - (B) Bharati Airtel

70. Which corporation in Tamil Nadu was awarded the best corporation award for the year 2015?

(A) Chennai  
(B) Vellore  
(C) Madurai  
(D) Tirunelveli

Ans - (D) Tirunelveli
Ans - (C) Madurai

71. Every year 13th of August is observed as

(A) Voluntary Blood donation day  
(B) World Hepatitis day  
(C) Swachh Bharat day  
(D) Organ donation day

Ans - (D) Organ donation day

72. ‘International Day of the Disappeared’ observed by United Nations Organization every year fall on

(A) November 30  
(B) December 26  
(C) August 30  
(D) October 25

Ans - (C) August 30

73. The President of Sri Lanka as on June 2015

(A) Maithripala Sirisena  
(B) Ravi Karunanayake  
(C) Mahinda Samarasinghe  
(D) Mahinda Amaraweera

Ans - (A) Maithripala Sirisena

74. Sunhak Peace Prize was won by

(A) Ms. Zhanna Nemtsova  
(B) Zaina Erhain
(C) Dr. Modadugu Vijay Gupta   (D) Mr. Zia Haider Rahman
Ans - (C) Dr. Modadugu Vijay Gupta

Which gas has been recently discovered in planet mars?
(A) Hydrogen Sulphide   (B) Ammonia
(C) Methane   (D) Ethane
Ans - (C) Methane

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, Tirupathi
Ans - (B) Vadakkunnathan Temple, Thrissur

Which country devalued its own currency in August 2015?
(A) India   (B) Japan  
(C) Germany   (D) China
Ans - (D) China
78. The 50<sup>th</sup> Anniversary of 1965 Indo-Pak war was observed on

(A) 27 August 2015  (B) 30 July 2015  
(C) 30 August 2015  (D) 28 August 2015

Ans - (D) 28 August 2015

79. Match the Android OS version with their names:

<table>
<thead>
<tr>
<th>OS version</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>(a) Android 6.0</td>
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</tr>
<tr>
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<td>2. Lollipop</td>
</tr>
<tr>
<td>(c) Android 4.4</td>
<td>3. Jelly Bean</td>
</tr>
<tr>
<td>(d) Android 4.3</td>
<td>4. MarshMallow</td>
</tr>
</tbody>
</table>

(a) (b) (c) (d)

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

Ans - (C) 4 2 1 3

---

79. Match the Android OS version with their names:

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</tr>
<tr>
<td>(d) Android 4.3</td>
<td>4. MarshMallow</td>
</tr>
</tbody>
</table>

(a) (b) (c) (d)

(A) 4 2 3 1  
(B) 4 3 1 2
80. The 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

Ans - (B) Scientific, art and literature development, humanities and student welfare

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

Ans - (C) Vidya Lakshmi

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

Ans - (B) June, 29

"Which day is observed as the National Statistics Day?"
83. ‘Pay Zapp’ a mobile application to make digital payments was started by which Bank ?
(A) SBI   (B) ICICI  (C) HDFC  (D) HSBC
Ans - (C) HDFC

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
Ans - (C) Malcolm Turnbull

85. 2020 Olympic games will be held at
(A) Beijing  (B) New York  (C) Chicago  (D) Tokyo
Ans - (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
Ans - (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

Ans - (B) Chess

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

Ans - (D) Morarji R. Desai

89. “The Supreme Court in the Indian union has more powers than any other 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

Ans - (B) Sir Alladi Krishnaswamy Ayyar
90. Consider the following two statements consisting of Assertion (A)) and Reason (R) and select your answer using the coodes 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

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

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

**Ans** – (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 2nd 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.

Ans - (B) There is no written rules on inviting the single largest party by the 2nd largest party to form the government. It is a convention.

93. Match List – I with List – II:

<table>
<thead>
<tr>
<th>Laws</th>
<th>Years</th>
</tr>
</thead>
<tbody>
<tr>
<td>(a)</td>
<td>1. 1966</td>
</tr>
<tr>
<td>(b)</td>
<td>2. 1980</td>
</tr>
<tr>
<td>(c)</td>
<td>3. 1984</td>
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<tr>
<td>(d)</td>
<td>4. 1981</td>
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<table>
<thead>
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<tr>
<td>1</td>
<td>3</td>
<td>4</td>
<td>2</td>
</tr>
</tbody>
</table>

Ans – (C) 2 4 1 3

1966
94. The protection of Civil Rights Act came into force on

(A) 19th December 1974  
(B) 19th November 1976  
(C) 19th December 1975  
(D) 19th November 1977

Ans - (B) 19th November 1976

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

Ans – (A) The Speaker

96. Match the following – Establishment of state and choose the correct one:

State

(a) 36th Amendment

1. Goa
97. Which of the following are major features of the constitutions of Lokpal and Lokayukta and 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 appointment 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

And - (B) 1, 2 and 4
Consider the following pairs:

I. thallophyte - 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 I
(B) I and II
(C) I and IV
(D) II and III

Ans - (B) I and II
IV. Glycolysis is also known as Glyoxylate cycle

(A) I and III  
(B) II on ly

(C) III and IV  
(D) IV and II

Ans – (B) II on ly

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

Ans - (D) IV, III, V, I, II

102. If the time taken by the cup of tea to cool from 85°C to 75°C is 1 minute, then the time taken by it to cool from 65°C to 55°C is

(A) 50 seconds  
(B) exactly ` minute

(C) more than 1 minute  
(D) 30 Seconds

Ans - (C) more than 1 minute
103. The rest mass of a photon is
   (A) Zero  (B) infinity  
   (C) dependent on its wavelength  (D) dependent on its velocity
   Ans - (A) Zero

104. Which of the following sets have different dimensions?
   (A) Pressure, Young’s modulus, Strees
   (B) Emf, potential difference, Electric potential
   (C) Heat, Work done, Energy
   (D) Diple moment, Electric flux, Electric field
   Ans - (D) Diple moment, Electric flux, Electric field

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 effect  (D) Bravais lattices
   Ans - (B) Moseley’s Law
106. Where is the head quarter of the Forest Survey of India (FSI) located?

(A) New Delhi  
(B) Dehradun  
(C) Chennai  
(D) Mumbai  

Ans - (B) Dehradun

107. Which among these sanctuaries is not present in Tamil Nadu?

(A) Anaimalai  
(B) Point Calimer  
(C) Mundanthurai  
(D) Periyar  

Ans - (D) Periyar

108. If a colour blin 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 daugters  

Ans - (B) Colour Blind sons and normal visioned daughters
109. Cretinism, myxedema and goiter are related to the disorders of the

(A) Parathyroid gland  
(B) Thyroid gland  
(C) Adrenal gland  
(D) Pituitary gland

Ans - (B) Thyroid gland

110. Which one of the following is NOT correctly matched?

(A) Anophelus Stephensi  - Leishmaniasis  
(B) Glaossina Palpalis  - Sleeping sickness  
(C) Culex Pipiens  - Filariasis  
(D) Aedes Aegypti  - Dengue fever

Ans - (A) Anophelus Stephensi  - Leishmaniasis

111. The list of coded instruction in computer is called

(A) Program  
(B) Algorithm  
(C) Flowchart  
(D) Application software

Ans - (A) Program
112. Choose the correct match:

<table>
<thead>
<tr>
<th>List I</th>
<th>List II</th>
</tr>
</thead>
<tbody>
<tr>
<td>(P) Fault</td>
<td>- Stromboli</td>
</tr>
<tr>
<td>(Q) Fold</td>
<td>- San-Andreas</td>
</tr>
<tr>
<td>(R) Earthquake</td>
<td>3. Himalayan Range</td>
</tr>
<tr>
<td>(S) Volcano</td>
<td>4. Epicentre</td>
</tr>
<tr>
<td></td>
<td>5. Weathering</td>
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<td>6. Exfision</td>
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<table>
<thead>
<tr>
<th>P</th>
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<th>R</th>
<th>S</th>
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<tr>
<td>4</td>
<td>3</td>
<td>1</td>
<td>6</td>
</tr>
</tbody>
</table>

Ans - (C) P-2 Q-3 R-4 S-1
113. The major temperature fluctuations in surface waters of the tropical Eastern Pacific Ocean is called as

(A) Temperature inversion  
(B) Convection  
(C) Thermocline 
(D) El Nino and La Nina

Ans - (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

Ans - (B) Albedo

115. A Major diamond mining centre in Belgium is

(A) Aalberg  
(B) Aberdeen  
(C) Aabenraa  
(D) Antwerp

Ans - (D) Antwerp

116. Rank the given soils of India in descending order in terms of their area/extent

(A) Red soil, Alluvial soil, Laterite soil, Black soil  
(B) Alluvial soil, Red soil, Laterite soil, Black soil  
(C) Red soil, Black soil, Alluvial soil, Laterite soil  
(D) Alluvial soil, Red soil, Black soil, Laterite soil

Ans - (D) Alluvial soil, Red soil, Black soil, Laterite soil
117. The planet which is known as the 'God of War'
(A) Mercury  (B) Venus  (C) Mars  (D) Jupiter
Ans - (C) Mars

118. The ice-crystal theory to explain precipitation was propounded by
(A) Tor Bergeron  (B) E.G.Boven  (C) Richl  (D) Davis
Ans – (A) Tor Bergeron

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 dendrop-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
Ans – (A) I, II and III only
120. Which among the following correctly matched?

(A) Kol - Madhya Pradesh
(B) Chhutia - Nilgiris (Tamil Nadu)
(C) Kotas - Little Andaman
(D) Jarawas - Assam

Ans - (A) Kol - Madhya Pradesh

121. Give the correct chronological order :

I. Pitt’s India Act
II. Minto – Morley 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

Ans - (C) III, I, II, IV
122. Who was known as the Father of Library movement in Tamil Nadu?

(A) Thiru. T.K. Avinashilingam  
(B) Thiru. M.P. Periyasamy  
(C) Thiru. M.Bhaktavatsalam  
(D) Thiru. Muthiah Chettiar

Ans – (A) Thiru. T.K. Avinashilingam

123. Identify the correct order 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

Ans - (C) Taxation of the Doab, Transfer of capital, Reform of Token currency, conquest of Nagarkot

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 I and II are false
Ans - (A) Only I is true

124. 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. She was awarded the Nobel peace prize
IV. In 1992 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
Ans – (A) I and III correct

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) Chattisgarh
(C) Jharghand    (D) Uttarachal
Ans - (B) Chattisgarh

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. She was awarded the Nobel peace prize
IV. In 1992 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
Ans – (A) I and III correct

(A) Only I is true    (B) Only II is true
(C) Both I and II are true    (D) Both I and II are false
Ans - (A) Only I is true
127. The Dravidian Mahajana Sabha was founded by

(A) Pundit Iyothee Those  (B) C.s. Srinivasa Raghava Iyangar  
(C) P.Theagaraya Chetty  (D) C.Natesa Mudaliar

Ans – (A) Pundit Iyothee Those

128. In which Indian National Congress session, Mahatma Gandhi was made its President?

(A) Nagpur  (B) Gaya  (C) Belgaum  (D) Kanpur

Ans - (C) Belgaum

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

<table>
<thead>
<tr>
<th>List I</th>
<th>List II</th>
</tr>
</thead>
<tbody>
<tr>
<td>(a) Amrit Bazaar patrika</td>
<td>1. Dadabhai Naoroji</td>
</tr>
<tr>
<td>(b) Indian Mirror</td>
<td>2. Sisir Kumar Gosh</td>
</tr>
<tr>
<td>(c) Voice of India</td>
<td>3. G.Varma</td>
</tr>
<tr>
<td>(d) Advocate</td>
<td>4. N.N.Sen</td>
</tr>
</tbody>
</table>

Codes:

<table>
<thead>
<tr>
<th></th>
<th>(a)</th>
<th>(b)</th>
<th>(c)</th>
<th>(d)</th>
</tr>
</thead>
<tbody>
<tr>
<td>(A)</td>
<td>2</td>
<td>4</td>
<td>1</td>
<td>3</td>
</tr>
<tr>
<td>(B)</td>
<td>3</td>
<td>2</td>
<td>4</td>
<td>1</td>
</tr>
<tr>
<td>(C)</td>
<td>4</td>
<td>3</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>(D)</td>
<td>4</td>
<td>2</td>
<td>3</td>
<td>1</td>
</tr>
</tbody>
</table>

Ans – (A) 2  4  1  3
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  

Ans - (C) Rowlatt Act

131. Identify the statement which is wrong.

(A) The modern method of writing with comma, semicolon, and full stop are the contributions 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  

Ans - (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 that 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 Purattinai 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 correct assertion of (R)
(C) (R) is true but (A) is wrong
(D) (R) is wrong but (A) is true

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

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 1920-2. 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 organization 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

Ans - (A) Both (A) and (R) are correct

134.

In the series
6 4 1 2 2 8 7 4 2 1 5 3 8 6 2 1 7 1 4 3 2 8 6

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

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

Ans - (A) 2

135.

In a geometric series, if the fourth term is 2/3 and seventh term is 16/81, then what is the first term of the series?

(A) 2/3  (B) 4/9  (C) 8/27  (D) 9/4

Ans - (A) 2/3
Ans - (D) 9/4

138. Find the percentage increases in the area of a triangle if its each side is doubled.
(A) 100% (B) 200% (C) 300% (D) 400%
Ans - (C) 300%

139. The sequence follow a regular pattern. Find the correct letter for question mark, to complete the sequence
C E I K O Q ?
(A) R (B) S (C) T (D) U
Ans - (D) U

140. Find Least Common Multiple of 4/5, 3/10 and 7/15.
(A) 84/5 (B) 5/84 (C) 2/15 (D) 12/15
Ans - (A) 84/5

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
Ans - (A) 12, 24, 36
12. 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

Ans - (C) Rs. 37,500

13. 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

Ans - (D) 25

14. 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

Ans - (C) Rs. 8,820

15. 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

Ans - (B) Rs. 50,000
146. Three solid metal cubes, whose edges are 6cm, 8cm and 10cm are melted and a new cube is made. Find the length of edge of the new cube.

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

Ans - (A) 12cm

147. Find the number in the place of question mark:
21, 25, 34, 50, ?, 111, 160

(A) 86  (B) 72  (C) 75  (D) 59

Ans - (C) 75

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

Ans - (B) Rs. 900 and Rs. 600
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

Ans - (A) 4 days

6 ஆணால், 8 பெண்ணால் ஒரு வாரம் 10 நாள்களுக்கு நேரமான வேதி, 10 ஆணால் செழுமையுடன், 26 ஆணால், 48 பெண்ணால் ஒரு வாரம் 2 நாள்களில் நேரமான வேதியின் விளைவை நோக்கியே, 15 ஆணால், 20 பெண்ணால் எவ்வாறு அவ்வுண்டு ஒரு வாரம் எவ்வாறு நேரமான வேதியின் விளைவை?

(A) 4 நாள்கள் (B) 5 நாள்கள் (C) 6 நாள்கள் (D) 7 நாள்கள்

Ans - (A) 4 நாள்கள்

150. A plot of land is in the form of a quadrilateral where one of its diagonals is 100m long. If two vertices on either side of this diagonals are 50m away from the diagonal. Find the area of the plot of land.

(A) 5000 m² (B) 1000 m² (C) 10000 m² (D) 500 m²

Ans - (A) 5000 m²

ஒரு செப்புற்று மண்டலம் வட்டம் அல்லது சதேரம் என்பது. அந்தந்த செப்புற்று மண்டலம் 100 மீ என்றும் அந்த செப்புற்று மண்டலம் 50 மீ என்றும் கூறப்படுகின்றன. மண்டலம் வட்டம் எவ்வாறு?

(A) 5000 மீ² (B) 1000 மீ² (C) 10000 மீ² (D) 500 மீ²

Ans - (A) 5000 மீ²

151. If “NOIDA” is written as 39658, how will “INDIA” be written?

(A) 36568 (B) 63569 (C) 63569 (D) 65368

Ans - (B) 63568

“NOIDA” என்று 39658 என்று எழுதப்படுகின்றது “INDIA” என்று எவ்வாறு எழுதப்படும்?

(A) 36568 (B) 63568 (C) 63569 (D) 65368

Ans - (B) 63568

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

Ans - (A) A is older than C

1. A-ţţţţţţ B-ţţţţţţ  
   (A) A-ţţţţţţ B-ţţţţţţ  
   (B) D-ţţţţţţ C-ţţţţţţ  
   (C) B-ţţţţţţ C-ţţţţţţ

2. C-ţţţţţţ D-ţţţţţţ  
   (A) A-ţţţţţţ C-ţţţţţţ  
   (B) D-ţţţţţţ C-ţţţţţţ  
   (C) A-ţţţţţţ B-ţţţţţţ  
   (D) B-ţţţţţţ D-ţţţţţţ

Ans - (A) A-ţţţţţţ C-ţţţţţţ

153. The minute hand of a circular clock is 14cm long and that of hour hand is 7cm. Find how far does the trip of the minute and hour hand move in 30 minutes?

(A) 88cm, 3.66cm  
(B) 22cm, 0.915cm  
(C) 44cm, 1.83cm  
(D) 1.83cm, 88cm

Ans - (C) 44cm, 1.83cm

154. A heap of paddy is in the form of a right circular cone whose diameter is 4.8m and height is 1.8m. 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 m²  
(B) 27.2 m²  
(C) 13.6 m²  
(D) 11.3 m²

Ans - (A) 22.6 m²

155. If \(a^x = b\), \(b^x = c\), \(c^x = a\), then what is the value of \(xyz\)?

(A) 3  
(B) 4  
(C) 9  
(D) 1

Ans - (D) 1
a^x = b, b^y = c, c^z = a,ТАம் இல்லை என்றால் என்ன உண்மை?
(A) 3  (B) 4  (C) 9  (D) 1
Ans - (D) 1

156. Arrange the following in the order of increasing solubility in water
(i) NaHCO₃  (ii) KHCO₃  (iii) Mg(HCO₃)₂  (iv) Ca(HCO₃)₂

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

157. Match the following:

<table>
<thead>
<tr>
<th>Actinide element</th>
<th>Atomic number</th>
</tr>
</thead>
<tbody>
<tr>
<td>(a) Plutonium</td>
<td>1. 102</td>
</tr>
<tr>
<td>(b) Curium</td>
<td>2. 100</td>
</tr>
<tr>
<td>(c) Fermium</td>
<td>3. 96</td>
</tr>
<tr>
<td>(d) Nobelium</td>
<td>4. 94</td>
</tr>
</tbody>
</table>

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

தீர்மானம் முறையங்கள்:

<table>
<thead>
<tr>
<th>குறிப்பிட்டு தொடர்ந்து</th>
<th>அளவு தொடர்</th>
</tr>
</thead>
<tbody>
<tr>
<td>(a) Plutonium</td>
<td>1. 102</td>
</tr>
<tr>
<td>(b) Curium</td>
<td>2. 100</td>
</tr>
<tr>
<td>(c) Fermium</td>
<td>3. 96</td>
</tr>
</tbody>
</table>
158.

159. An example of commonly used herbicide is
(A) p,p’- dichlorodiphenyl trichloro ethane
(B) 2, 4 – dichloro phenoxy acetic acid
(C) Benzene hexa chloride
(D) Naphthalene
Ans – (B) 2, 4 – dichloro phenoxy acetic acid

160. Match the following :

I          II           III

(1) Thiamine (a) Cheilosis (i) Pellagra
(2) Niacin (b) Polyneuritis (ii) Glossitis
(3) Riboflavin (c) Nicotineamide (iii) Beri beri
(4) Biotin (d) Antipernic (iv) Hyperestheria
(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)
161. The Indian Constitution describes Legislative Relations between Union and states in Article from
(A) Articles 245 to 255  (B) Articles 256 to 263  
(B) 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  
Ans – (C) between 1951 – 1981  

164. In which of the following states of India, Inland water transport is not important?
(A) Kerala  
(B) West Bengal  
(C) Bihar  
(D) Gujarat  
Ans – (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  
Ans - (B) Thermal  

166. What is India’s rank in the global production of milk in 2010-2011?
(A) First  (B) Second  (C) Third  (D) Fourth

Ans – (A) First

2010-11 குறு குறுவில்லாத குறுக்குடி பாராளும் ரைத்துறையில் இருப்பது எதையானது?

(A) தற்கொலை (B) குறுக்குடி (C) குறுவில்லை (D) தற்கொலை

Ans – (A) தற்கொலை

167. Industry which is reserved for public sector in New Economic Policy

(A) Atomic Energy  (B) Cotton Industry
(C) Sugar Industry  (D) Tea Industry

Ans – (A) Atomic Energy

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

Ans – (B) 3, 4, 1, 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 institution
(D) Introducing new banks in rural India

Ans – (B) Reviving or revamping public sector banks

170. Which country was affected by ‘Typhoon Goni’?

(A) Philippines  (B) Japan  (C) Srilanka  (D) Canada

Ans – (A) Philippines

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

<table>
<thead>
<tr>
<th>List I</th>
<th>List II</th>
</tr>
</thead>
<tbody>
<tr>
<td>(a) Abdul Kalam Award</td>
<td>1. G.Jothimani</td>
</tr>
<tr>
<td>(b) Kalpana Chawla Award</td>
<td>2. S.Sampath Kumar</td>
</tr>
<tr>
<td>(c) Best Doctor Award</td>
<td>3. P. Simmachandran</td>
</tr>
<tr>
<td>(d) Best Social Worker Award</td>
<td>4. N.Valamathi</td>
</tr>
</tbody>
</table>
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

Ans – (A) Tiruchirapalli has been declared as the second cleanest city by swachh Bharat in 2015

172.

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

Ans – (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

Ans – (B) Israel

175. World ‘Car Free Day’ is observed on
(A) September 12  (B) September 22
(C) October 22  (D) October 18

Ans – (B) September 22
176. Which court ruled that ‘Eu-us data Transfer Pact’ is invalid?

(A) American Court, New York  
(B) British Court, London  
(C) European Court, Luxembourg  
(D) International Court, New York

Ans – (C) European Court, Luxembourg

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

Ans – (A) Mallikarjuna Karge

178. Which state government in India has started the “Ladili Beti” scheme for the girl child?

(A) Madhya Pradesh  
(B) Uttarakhand  
(C) Jharkhand  
(D) Jammu & Kashmir

Ans – (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 statements 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  

Ans - (B) Only 2 and 3 are 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) Chidamaram  
(D) Erode  

Ans – (C) Chidamaram

181. The country that has become the first defaulter, among developed nations, on debt of International Monetary Fund (IMF) on 30th June 2015.

(A) China  
(B) Italy  
(C) Greece  
(D) Germany  

Ans – (C) Greece
182. The last movie for which late M.S. Viswanathan composed music is

(A) Engirundho Vanthan  (B) Suvadugal
(C) Devadoss  (D) Ninaithalea Inikkum

Ans – (B) Suvadugal

M.S. விஸ்வாநாதன் கொழும்பிட்டியிலுள்ள சினிமா விளக்கம்

(A) எங்கேனுடைய வாணகள்  (B) காட்டிகள்
(C) இறைவன்  (D) பிற்றாட்டரிடல் விளக்கம்

Ans – (B) காட்டிகள்

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

Ans – (B) Rajendra Singh

2015 ஆண்டு ஸ்டாகԽல் வாத்தில் ஆல்செயிட்டு மிளகு பாதுகாக்காத ஆய்வாளர்கள்?

(A) அமலேந்து குருக்காள்  (B) ராஜேந்திர் சிங்க்
(C) மாநிலாஜ் வாழ்க்கை  (D) மோதாத்தூ விஜய் ராஹ்பா

Ans – (B) ராஜேந்திர் சிங்க்

184. Google’s Alphabet Website is

(A) Alpgoogle.com  (B) Googlealbet.com
(C) abc.com  (D) abc.xyz

Ans – (D) abc.xyz

குறுகியம் அல்பகுட்டியல் விளக்கம்

(A) Alpgoogle.com  (B) Googlealbet.com
(C) abc.com  (D) abc.xyz

Ans – (D) abc.xyz

185. organization slapped fine to the companies for not appointing women directors.

(A) BSE  (B) BSI  (C) SBI  (D) BCCI

Ans – (A) BSE

------------------ நேர்த்தியாக செய்யப்பட்டுள்ளது பணிக்கையாளர் வானிலைத் தொண்டிகளுக்கு அவர்கள்

செவியைக் கொண்டுள்ளனர்.
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

Ans – (B) Artemisinin

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

Ans – (A) Right to Religion

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

Ans – (B) Zero Hour
190. Match the List:

(a) Fourth Schedule  
(b) Seventh Schedule  
(c) Eleventh Schedule  
(d) Eighth Schedule

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Ans - (B) 2 1 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) 40th amendment  
(B) 42nd 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

Ans – (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

Ans – (A) 1, 2, 4 and 5
94. 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 7th Schedule
4. Abolition of the legislative council of a state.

Choose the correct answer from the codes given below:

(A) 1, 2, and 4 (B) 1, 2, 3, and 5 (C) 2, 3, and 4 (D) 1, 2, and 5

Ans – (B) 2 only
Codes:
(A) 1, 2 and 3  
(B) 1, 2 and 4 
(C) 1, 3 and 4  
(D) 2, 3 and 4

Ans – (A) 1, 2 and 3

196. The Secession of a state from the Indian union has been barred by the
(A) 16th Amendment  
(B) 22nd Amendment
(C) 29th Amendment  
(D) 35th Amendment

Ans – (A) 16th Amendment

197. Consider the following statements:
The Comptroller and Auditor General of India is responsible for an 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, 2 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  

Ans – (B) Strong centre

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)  

Ans – (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

Ans – (C) Seventh

பிள்ளையார் ஆங்கிலத்தில், பாரம்பரியக் காலம் மேற்கு எழுதப்பட்டுள்ள திருமணம் மற்றும் பின்னர் காலம் ஆலங்கார துறை?

(А) பாலாமுத ஆலங்கார (B) காராகும் ஆலங்கார
(C) புமணும் ஆலங்கார (D) குட்டளையும் ஆலங்கார

Ans – (C) புமணும் ஆலங்கார