1. Executive Department is led by
   (A) Chief Minister
   (B) Governor
   (C) Home Minister
   (D) Finance Minister

2. Normal range of breathing rate per minute in an average adult person at rest is
   (A) 9 – 12   (B) 15 – 18
   (C) 21 – 24   (D) 30 – 33

3. Following is the function of stomata.
   (A) Translocation
   (B) Exchange of gases
   (C) Protein synthesis
   (D) Reproduction

4. In India the first State to introduce Mid-day meals in schools is
   (A) Himachal Pradesh
   (B) Meghalaya
   (C) Tamil Nadu
   (D) Punjab

5. Solutions of the equation \( x^2 + \sqrt{2} x - 4 = 0 \) are
   (A) \( \sqrt{2}, \sqrt{2} \)
   (B) \( \sqrt{2}, -\sqrt{2} \)
   (C) 0, 4
   (D) 0, 0

6. Which of the following statements is incorrect about Fundamental Rights?
   (A) New technologies may endanger these rights
   (B) Equality is one of the moral and political ideals in India they are superior to ordinary laws
   (C) In India these are economic and political rights integral part of the Constitution
   (D) In India it is rightly described as Magna Carta of India
7. Read the following sentences about LEDs and choose a correct option.
   (A) They contain mercury
   (B) They consume less electricity because they produce very less heat
   (C) Both (A) and (B) are correct
   (D) Both (A) and (B) are wrong

8. Mahila Police Volunteer system is introduced in two Districts. One in
   (A) Panipath
   (B) Karnal
   (C) Kurukshetra
   (D) Ambala

9. If 'SUN' can be coded as '54' then 'MOON' can be coded as
   (A) 58   (B) 51
   (C) 57   (D) 47

10. During 1857, Sepoy mutiny the Moghul emperor Bahadurshah Zafar was arrested by
    (A) Captain Hudson
    (B) John Nicholson
    (C) Sir Hugh Rose
    (D) Colin Campbell

11. Find the missing number in the sequence
    1, 8, ?, 64, 125, 216.
    (A) 9   (B) 27
    (C) 25   (D) 16

12. The dance performed by women in bridegrooms house is
    (A) Rasleela
    (B) Phag dance
    (C) Loor dance
    (D) Khoria dance
18. Which of the following rivers is not a tributary of the Brahmaputra?
(A) Kameng  
(B) Subansiri  
(C) Dihang  
(D) Subarnarekha

19. Haryana has _________ Districts as on 2017 – 18.
(A) 22  
(B) 25  
(C) 24  
(D) 28

20. Following is not a part of a neuron.
(A) Collecting duct  
(B) Dendrite  
(C) Cell body  
(D) Nucleus

21. Read the following statements and choose the appropriate one.
(A) India has the largest number of medical colleges in the world.  
(B) India is the fourth largest producer of medicines in the world and is also a large exporter of medicines.  
(C) Both (A) and (B) are wrong  
(D) Both (A) and (B) are right

22. Kapidhvaja is another name for
(A) Krishna  
(B) Balram  
(C) Arjuna  
(D) Karna

23. A small, palm held drum is called as
(A) Dolak  
(B) Mrudangam  
(C) Tabla  
(D) Damru

24. Find the word which is different from the other 3 options given below.
(A) Nepal  
(B) Bhutan  
(C) Pakistan  
(D) Manipura
13. Match the plant structures given in the Column – A with functions given in the Column – B.

**Column – A**
I. Stomata
II. Xylem
III. Root hairs
IV. Phloem

**Column – B**
1. Absorption of water
2. Transpiration
3. Transport of food
4. Transport of water
5. Synthesis of carbohydrates

Select the answer code.
(A) I – 2, II – 4, III – 1, IV – 3
(B) I – 1, II – 4, III – 3, IV – 2
(C) I – 1, II – 4, III – 2, IV – 3
(D) I – 5, II – 3, III – 1, IV – 2

14. Harshavardhana ruled Thaneswar during
(A) 606 – 647 AD  (B) 400 – 350 BC
(C) 200 – 250 AD  (D) 250 – 150 BC

15. State flower of Haryana is
(A) Jasmine
(B) Sacred Lotus
(C) Rose
(D) Hibiscus

16. PREW means
(A) Population Regulations Engineering Wing
(B) Panchayath Raj Economic Wing
(C) Panchayath Raj Engineering Wing
(D) Power Rules Effective Wing

17. Which among the following cities in which British company agents settled first?
(A) Kolkata  (B) Bombay
(C) Madras  (D) Kocchi
33. Under GST, which of the following goods or items are exempted or NIL tax rate or 0% is charged?
1. News papers
2. Kunkum and Bindri
3. Processed Fruit and vegetables
4. Silk worm and khadi yarn
5. Spacecraft
(A) 1, 3 and 4
(B) 1, 2, 3 and 4
(C) 1, 2, 4 and 5
(D) All the above

34. Which among the following countries with which India does not have Free Trade Agreement (FTA)?
(A) South Korea  (B) Japan
(C) Brazil     (D) Thailand

35. Jagirdars means
(A) Bankers      (B) Landlords
(C) Agriculturists (D) Businessmen

36. Sal trees are found in
(A) Gurgaon forests
(B) Sonipat forests
(C) Rohtak forests
(D) Kalesar forests

37. Find the number which not like the other 3 options.
(A) \(\frac{2}{14}\)  (B) \(\frac{3}{12}\)
(C) \(\frac{5}{20}\)  (D) \(\frac{7}{28}\)

38. A number consists of 2 digits whose sum is 4. If 18 is added to the number, the digits get interchanged. Then the number is
(A) 31  (B) 22  (C) 13  (D) none of these
25. Altat Huzaain Haali is famous for his
   (A) Dohe  (B) Sonnet
   (C) Poetry  (D) Mushairas

26. Two coins are tossed simultaneously. The probability of getting exactly two tail is
   (A) 1  (B) \( \frac{1}{2} \)
   (C) \( \frac{1}{3} \)  (D) \( \frac{1}{4} \)

27. Tangri river is the tributary of
   (A) Sahibi  (B) Indori
   (C) Markanda  (D) Ghaggar

28. Resistance of a metal wire of length 1 m is 26 \( \Omega \) at 20°C. If the diameter of wire is 0.3 mm, what will be the resistivity of the metal at that temperature?
   (A) \( 4.84 \times 10^{-6} \Omega m \)
   (B) \( 3.84 \times 10^{-6} \Omega m \)
   (C) \( 2.84 \times 10^{-6} \Omega m \)
   (D) \( 1.84 \times 10^{-6} \Omega m \)

29. Which of the following natural resources is referred as ‘buried sunshine’?
   (A) Gold  (B) Silver
   (C) Coal  (D) Shale gas

30. If \( 5 \tan \alpha = 4 \) then \( \frac{5 \sin \alpha - 3 \cos \alpha}{5 \sin \alpha + 2 \cos \alpha} \) is equal to
   (A) \( \frac{1}{6} \)  (B) \( \frac{5}{3} \)
   (C) 2  (D) 0

31. Vedic civilisation flourished on the banks of river
   (A) Sarasvati  (B) Ganga
   (C) Yamuna  (D) Kaveri

32. _______ is a non-metal but it is lustrous.
   (A) Flourine  (B) Chlorine
   (C) Bromine  (D) Iodine
44. When object is placed at center of curvature of a concave mirror, the image size is
(A) Enlarged
(B) Diminished
(C) Same size as that of object
(D) Point-sized

45. Haryana Assembly House is at
(A) Rohtak  (B) Ambala
(C) Chandigarh  (D) Panipat

46. Which of the following is not a right difference between democratic and other forms of Government?
(A) In Non-democratic States don't not require all citizens to take part in politics.
(B) Both forms have universal adult franchise, i.e., one vote and one value.
(C) Most non-democratic Governments would like citizens not to take part in politics.
(D) Democracy depends on active political participation by all the citizens.

47. The zoo had some Lions and some Parrots. The keeper counted 15 heads and 50 legs, then the number of Lions is
(A) 9  (B) 10
(C) 8  (D) none of these

48. All circles are
(A) congruent
(B) similar
(C) cyclic
(D) none of these

49. If \(x^2 - x - 42\) is divided by \(x + 6\), the remainder will be
(A) 7
(B) -6
(C) 0
(D) none of these

50. \(50 - 15 \times 2\) _______ 
(A) 25
(B) 10
(C) 8
(D) none of these

44. जब कस्तू का एक अवतरण दर्पण के बृक्त केंद्र पर रखा जाता है तो प्रतिबिंब का आकार है
(A) विस्तार (B) घटा हुआ
(C) कस्तू के समान ही
(D) बिंदु के आकार का

45. हरियाणा विधान सभा ________ में है।
(A) रोहतक  (B) अंबाला
(C) चंडीगढ़  (D) पानीपत

46. निम्नलिखित में से कौन-सा लोकतात्त्विक और सरकार के अन्य रूपों के बिंदु वही अंतर नहीं है?
(A) गैर-लोकतात्त्विक राज्यों में, राजनीति में भाग लेना सभी नागरिकों के लिए आवश्यक नहीं है।
(B) सभी रूपों में सार्वजनिक व्यक्ति मताधिकार यथा एक मत एक मान है।
(C) सर्वजनिक अलौकिकतात्त्विक सरकारों चाहती हैं कि नागरिक राजनीति में प्रतिभागिता न करें।
(D) लोकतंत्र सभी नागरिक द्वारा सक्रिय राजनीतिक प्रतिभागिता पर निर्भर है।

47. एक चिड़ियाघर में कुछ शेर और तोते हैं। अनुसंधान ने 15 मि. और 50 टॉंगे निम्नी। शेरों की संख्या है?
(A) 9  (B) 10
(C) 8  (D) इनमें से कोई नहीं

48. सभी वृत्त _______ होते हैं।
(A) सर्वांगसम
(B) समरूप
(C) चक्रीय
(D) इनमें से कोई नहीं

49. यदि \(x^2 - x - 42\) को \(x + 6\) से विभाजित किया जाता है तो शेषफल होगा
(A) 7
(B) -6
(C) 0
(D) इनमें से कोई नहीं
43. Solve the system of equations:

\[ \begin{align*}
3x + y &= 7 \\
2x - 3y &= 1
\end{align*} \]

(a) \( x = 1, y = 2 \)
(b) \( x = 2, y = 1 \)
(c) \( x = 3, y = 0 \)
(d) No solution

44. The polynomial function is given by

\[ f(x) = 2x^3 + 3x^2 - 2x - 3 \]

If \( x = 2 \) is a zero of the polynomial, which of the following must be true?

(a) \( x = 1 \) and \( x = 3 \) are also zeros.
(b) \( x = 2 \) is a repeated zero.
(c) \( x = 2 \) is a zero with multiplicity 3.
(d) None of the above.

45. Consider the following statements with reference to the Constitution of India:

1. The President can dismiss the Prime Minister.
2. The President can dissolve the Parliament.
3. The President can introduce a bill by the Parliament.
4. The President can overrule the Supreme Court.

(a) Only (1) and (2) are correct.
(b) Only (2) and (3) are correct.
(c) Only (1) and (3) are correct.
(d) All of the above are correct.

46. Consider the following statements with reference to the female loticide law:

(a) Land Police Scheme
(b) Balloting Bill Passed
(c) Female Jallianwala Bagh
(d) Female Scheme

47. Solve the system of equations:

\[ \begin{align*}
xy + yz &= 3 \\
2x + 3y &= 1
\end{align*} \]
56. The eldest son of Pandavas is
   (A) Bahudhanyaka
   (B) Yudhishthira
   (C) Prjotpathi
   (D) Angeerasa

57. If 1st October was Monday, then 11th October lies on
   (A) Thursday
   (B) Friday
   (C) Wednesday
   (D) Monday

58. Consider the following statements regarding Himalayan mountains and its rivers and select the right one.
   (A) The Himalayan mountains are young, weak and flexible in their geological structure
   (B) Himalayas are dissected by fast-flowing rivers which are in their youthful stage
   (C) Both are wrong
   (D) Both are right

59. The point on x-axis which is equidistant from the point (7, 6) and (−3, 4) is
   (A) (−1, 0)
   (B) (2, 0)
   (C) (−4, 0)
   (D) (3, 0)

60. The age of father is 5 times that of his son. 3 years ago, the age of father was 8 times that of his son. Find the present age of father.
   (A) 42 years
   (B) 48 years
   (C) 40 years
   (D) 35 years

61. Haryana has ________ main geographical divisions.
   (A) 5
   (B) 6
   (C) 4
   (D) 3
50. Recrystallisation of sodium carbonate gives
(A) Baking soda
(B) Washing soda
(C) Bleaching powder
(D) Plaster of paris

51. The combination of certain Janapada were called as
(A) Mandal (B) District
(C) Gana (D) Hobali

52. Read the following descriptions about types of biomes.
1. Grasslands of South Africa are called Velds.
2. Grasslands of North America are called Prairies.
3. These both are temperate grasslands biome.

Select the right answer given below.
(A) 2 only
(B) 1 only
(C) 3 only
(D) All the above

53. Mahabharatha has
(A) 18 (B) 20
(C) 22 (D) 24

54. Find the missing term (?) from the options for MN, JQ, GT, ?, AZ, XC.
(A) EW (B) DW
(C) EX (D) DX

55. The equation $3x - y = 5$ is same as $9x - 3y + c = 0$ if $c =
(A) 15
(B) -15
(C) -10
(D) none of these

50. सोडियम कार्बोनेट का पुनर्क्रिस्टलीकरण _______ देता है।
(A) बेकिंग सोडा (B) धानन्द्र सोडा
(C) क्लीनिंग पाउडर (D) प्लास्टर ऑफ परिस

51. कुछ जनपदों का संयोजन _______ कहलाता था।
(A) मंडल (B) जिला
(C) गान (D) होबली

52. वायु के प्रकारों के बारे में निम्नलिखित विवरण पढ़िए।
1. दक्षिण आफ्रिका की घास भूमियाँ वेल्ड्स कहलाती हैं।
2. उत्तरी अमेरिका की घास भूमियाँ प्रेरीरेज कहलाती हैं।
3. ये दोनों शीतोष्ण कटिबंधीय घास भूमि बायोम हैं।

नीचे दिए गए सही उत्तर चुनिए।
(A) केवल 2 (B) केवल 1
(C) केवल 3 (D) उभय सभी

53. महाभारत में _______ अध्याय हैं।
(A) 18 (B) 20
(C) 22 (D) 24

54. MN, JQ, GT, ?, AZ, XC हेतु लुप्त पद (?) विकल्पों में से ज्ञात करें।
(A) EW (B) DW
(C) EX (D) DX

55. समीकरण $3x - y = 5$ के समान $9x - 3y + c = 0$ है यदि $c =
(A) 15 (B) -15
(C) -10 (D) इनमें से कोई नहीं
English Language

Change the given sentence into indirect speech.

69. The teacher said, “I am busy now”.
   (A) The teacher says that he is busy now.
   (B) He was busy says the teacher now.
   (C) The teacher told that I was busy now.
   (D) The teacher said that he was busy then.

70. I said to the boys, “You should do your duty”.
   (A) I told the boys that they should do their duty.
   (B) I told the boys that you should do your duty.
   (C) I ordered the boys that they should do your duty.
   (D) I said to the boys that you should do their duty.

Choose the correct form of the verbs.

71. There is a programme on television that I want to watch. ______ in five minutes.
   (A) It must start
   (B) It starts
   (C) It is starting
   (D) It start

72. Tom ______ his hand when he was cooking the dinner.
   (A) have burnt
   (B) was burning
   (C) burnt
   (D) is burning

Pick out the wrongly spelt word.

73. (A) Intrinsic
    (B) Incongruous
    (C) Impurturbable
    (D) Intermittent

74. (A) Pedantic
    (B) Irretrivable
    (C) Plenary
    (D) Reticent

Choose the correct options.

75. I decided to stay at home last night. I would have gone out if I ______ so tired.
   (A) hadn’t been
   (B) wasn’t
   (C) weren’t
   (D) wouldn’t have been

76. I notified ______ I had changed my address.
   (A) to the bank that
   (B) with the bank that
   (C) the bank that
   (D) that

Fill up the blanks with appropriate prepositions.

77. Our flat is ______ the second floor of the building.
   (A) by
   (B) at
   (C) on
   (D) in

78. I prefer tea ______ coffee.
   (A) not
   (B) to
   (C) than
   (D) against
62. Four cubes each of side 5 cm are joined end to end. The surface area of the resulting solid is
   (A) 225 cm²  (B) 20 cm²
   (C) 450 cm²  (D) 500 cm²

63. Which of the following form an AP?
   (A) 1, 1, 2, 3, 3, 3, ...
   (B) 0.3, 0.33, 0.333, ...
   (C) \( \frac{1}{2}, \frac{1}{4}, \frac{1}{8}, \ldots \)
   (D) \( \sqrt{2}, \sqrt{8}, \sqrt{18}, \sqrt{32}, \ldots \)

64. If ‘+’ means ‘−’, ‘−’ means ‘×’, ‘×’ means ‘+’ and ‘/’ means ‘÷’ then, \( 12 \times 4 \div 12 + 5 - 3 = \)
   (A) 4  (B) 15
   (C) 30  (D) 0

65. Indori river rises near
   (A) Indore  (B) Kaithal
   (C) Bhiwani  (D) Karnal

66. One of the South Asia’s oldest road in Haryana is
   (A) Hundred Feet Road
   (B) M.G. Road
   (C) Main Tank Bund Road
   (D) Grand Trunk Road

67. If the area of a semi-circular field is 30800 sq.m. then the perimeter of the field is \( \text{use } \pi = \frac{22}{7} \)
   (A) 240 m  (B) 720 m
   (C) 460 m  (D) 840 m

68. The Financial Budget for 2017 – 18 was tabled by Haryana Finance Minister
   (A) Mahabala Katarth
   (B) Captain Abhimanyu
   (C) Venkayyy Naidu
   (D) Chidambaram
1. The prime minister of India is elected by
(a) Rajya Sabha
(b) Lok Sabha
(c) President
(d) Prime Minister
2. The maximum range of breathing rate per minute
(a) 12-18
(b) 15-18
(c) 30-33
(d) 21-24
3. Following is the function of Cabinet.
(a) Finance Minister
(b) Home Minister
(c) Governor
(d) Chief Minister
4. Which of the following statements is true?
(a) 0.4
(b) 0.2
(c) 0.0
(d) 2.0
5. Solutions of the equation $x^2 + y^2 = 4$ are
(a) Pupils
(b) Teachers
(c) Students
(d) Directors
6. Which of the following are economic and social reforms?
(a) New economic measures may endanger lives
(b) Traditional values are undermined
(c) Economic and social reforms
(d) Political reforms