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Sub Inspector**

**Previous Year Paper**  
**24 June 2018**



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Sub-Inspector Exam 2018

AE-18

QUESTION BOOKLET

24/06/18

Booklet No. : 110082

24/06/18

SERIES : B

Roll No. :

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Max. Marks : 120

Time Allowed : 2 Hours

No. of Questions : 120

11:00 AM to 01:00 PM

Note : DO NOT OPEN THE BOOKLET UNLESS YOU ARE ASKED TO DO SO BY THE INVIGILATOR.  
GO THROUGH THE INSTRUCTIONS CAREFULLY.

### INSTRUCTION TO CANDIDATES

- The Question Booklet contains 120 questions. All questions carry equal marks. There are no negative marks for incorrect / incomplete responses. The weightage of the written examination is 85%.
- Before attempting the questions, the candidate must check Question Booklet and OMR sheet for any defect in printing/number of pages, serial order of the questions / answer options etc. In case of any discrepancy, the candidate should report immediately to the Invigilator concerned and get the defective OMR Sheet / Question Booklet replaced with same series.
- Please enter all the required detail in the OMR sheet. In particular, you should write/mark the following at the appropriate place in the OMR sheet :
  - Roll Number
  - Question Booklet Number
  - Question Booklet Series
- Each question in the Question Booklet has four alternatives (a), (b), (c), (d). You have to darken the circle, which in your opinion is the best response to the question.
- The circle in the OMR sheet should be marked with Blue/Black Ball point pen as indicated below :

Correct Way to Answer



Incorrect Way to Answer



- If you darken more than one response to a question, partially darken your response or fail to darken any response, it will be treated as wrong response.
- Do not write your name or make any other markings other than those specifically required in the OMR Sheet.
- You should return the OMR sheet to the invigilator at the end of the examination. Question Booklets need not be returned.
- Use of any unfair means will disqualify the candidate.
- Use of any electronic gadget in the examination hall is not allowed.

## sub inspector paper

X Bernoulli's principle is based on which one among the following laws?

- (a) Conservation of mass
- (b) Conservation of momentum
- (c) Conservation of angular momentum
- (d) Conservation of energy

X The temperature of water at the bottom of a lake whose upper surface has frozen to ice would be around (in degrees Celsius)

- (a) -10
- (b) 0
- (c) 4
- (d) -4

X Taungup Pass is a mountain corridor connecting India with

- (a) Nepal
- (b) China
- (c) Pakistan
- (d) Myanmar

X Which of the following Indus Valley Civilization sites are located in India?

- (i) Mohen-jo-daro
- (ii) Harappa
- (iii) Babar Kot
- (iv) Dholavira

Choose the correct answer from the following:

- (a) (i) and (iv) only
- (b) (ii) and (iii) only
- (c) (iii) and (iv) only
- (d) (iv) only

5. The pressure exerted by a 760 mm column of mercury at 0°C is known as

- (a) 1 pascal
- (b) 1 atmosphere
- (c) 1 bar
- (d) 1 poise

6. Which one of the following hormones is essential for the uptake of glucose by cells in the human body?

- (a) GH
- (b) TSH
- (c) Insulin
- (d) Cortisol

7. 'Altitude sickness' is caused at high altitude due to
- (a) high partial pressure of oxygen       (b) low partial pressure of oxygen  
(c) low level of haemoglobin              (d) high partial pressure of carbondioxide
8. Which one of the following statements is not correct with respect to protection of individuals being tried for offences?
- (a) A confession can never be used as evidence against the accused  
 (b) The accused must have violated an existing law  
(c) An accused cannot be tried and punished for the same offence again  
(d) The quantum of punishment must be provided in law as it existed on the date of commission of an offence
9. The headquarters of 'Economic and Social Commission for Asia and the Pacific' is located at
- (a) Singapore                                      (b) Manila  
 (c) Bangkok                                        (d) Hong Kong
10. Which one of the following writs is issued by the Supreme Court to secure the freedom of a person upon unlawful arrest?
- (a) Habeas Corpus                                (b) Mandamus  
(c) Certiorari                                        (d) Quo Warranto

11. Jammu and Kashmir Rifles is

- (a) an infantry regiment of the Indian Army.  
(b) a battalion of the Rashtriya Rifles  
(c) the name of the Armed Police of the State of Jammu and Kashmir  
(d) a paramilitary force under the Ministry of Home Affairs

12. Which sector currently contributes most to the Gross Domestic Product of India?

- (a) Manufacturing                                (b) Agriculture  
 (c) Services                                        (d) Marine

13. With reference to Simon Commission's recommendations, which one of the following statements is correct?
- (a) It recommended the replacement of diarchy with responsible government in the provinces,
  - (b) It proposed the setting up of inter-provincial council under the Home Department
  - (c) It suggested the abolition of bicameral legislature at the Centre
  - (d) It recommended the creation of Indian Police Service with a provision for increased pay and allowances for British recruits as compared to Indian recruits
14. Consider the following actions by the Government:
- (i) Cutting the tax rates,
  - (ii) Increasing the government spending.
  - (iii) Abolishing the subsidies.
- In the context of economic recession, which of the above actions can be considered a part of the "fiscal stimulus" package?
- (a) (i) and (ii) only
  - (b) (ii) only
  - (c) (i) and (iii) only
  - (d) (i), (ii) and (iii)
15. Circulatory system is made of
- (a) veins and arteries
  - (b) lymph vessels and nodes
  - (c) blood vessels, heart and blood
  - (d) capillaries and veins
16. Alps Mountains and Himalayas are classic examples of process of
- (a) plate owning
  - (b) volcanic activity
  - (c) plate convection
  - (d) folding
17. Ozone layer is part of layer of
- (a) Mesosphere
  - (b) Stratosphere,
  - (c) Thermosphere
  - (d) Troposphere
18. Which one among the following rocks is not a sedimentary rock?
- (a) Shale
  - (b) Limestone
  - (c) Slate
  - (d) Sandstone.

19. Which one of the following is the largest source of electricity in India?  
 (a) Hydropower plants, (b) Thermal power plants ✓  
 (c) Nuclear power plants, (d) Solar power plants ✓
20. Who among the following was associated with the Hindustan Socialist Republican Association?  
 (a) Subhash Chandra Bose (b) Mahatma Gandhi,  
 (c) Laxmi Sehgal ✓ (d) Chandrashekhar Azad
21. Which among the following is the hardest part of our body?  
 (a) Skull bones (b) Thumb nails  
 (c) Rib bones ✓ (d) Enamel of teeth,
22. The grassland region of North America is known as:  
 (a) Selvas (b) Downs  
 (c) Veldt ✓ (d) Praries,
23. The Simlipal Biosphere Reserve is located in:  
 (a) Meghalaya (b) Manipur,  
 (c) Assam ✓ (d) Odisha
24. Which one of the following does not have an allotrope?  
 (a) Oxygen (b) Sulphur ✓  
 ✓ (c) Nitrogen, (d) Carbon
25. Consider the following statements:  
 (i) Diamond is hard and graphite is soft ✓  
 (ii) Diamond is soft and graphite is hard ✗  
 (iii) Diamond is a bad conductor and graphite is a good conductor ✓  
 (iv) Diamond is a good conductor and graphite is a bad conductor. ✗

Which of the statements given above is/are correct?

- ✓ (a) (i) and (iii), (b) (i) only  
 (c) (ii) and (iii) ✗ (d) (i) and (iv)

26. Which one among the following statements about thermal conductivity is correct?
- (a) Steel > Wood > Water  
(c) Water > Wood > Steel
- (b) Steel > Water > Wood  
(d) Water > Steel > Wood
27. A body weighs 10 kgs on the equator. At the poles, it is likely to weigh
- (a) 10 kgs  
 (c) More than 10 kgs
- (b) Less than 10 kgs  
(d) 0
28. Which of the following monuments was formerly known as 'All India War Memorial'?
- (a) India Gate  
(c) Charminar
- (b) Gateway of India  
(d) Red Fort
29. Which of the following statements regarding the Preamble of the Constitution of India is/are correct?
- (i) The Preamble is an integral part of the Constitution.  
(ii) The words 'secular' and 'socialist' have been a part of the Preamble since its inception.
- (a) (i) only  
(c) Both (i) and (ii)
- (b) (ii) only  
(d) Neither (i) nor (ii)
30. The Vice President of India is elected by an electoral college consisting of
- (a) Members of the both the Houses of Parliament  
(b) Members of the Rajya Sabha only  
(c) Members of the Lok Sabha only  
(d) Members of both the Houses of Parliament and the members of Legislative Assemblies of all the States
31. Navroz is a festival celebrated in India by the:
- (a) Hindus  
(c) Christians
- (b) Muslims  
 (d) Parsis
32. Of which significant event of the freedom struggle was the 100<sup>th</sup> anniversary recently commemorated?
- (a) Swadeshi movement  
(c) Non-Cooperation movement
- (b) Champaran 'Satyagraha'  
(d) Civil Disobedience movement



33. Normally, the Parliament can legislate on subjects enumerated in the
- (a) Union List
  - (b) State List
  - (c) Financial List
  - (d) Both Union and State List

34. What is the missing number of the series 7, X, 21, 31, 43?
- (a) 11
  - (b) 12
  - (c) 13
  - (d) 14

7, 13, 21, 31, 43  
 6, 8, 10, 12

35. An automobile owner reduced his monthly fuel consumption when the price went up. The price consumption relationship is as follows :

Price (Rs. Per litre)	40	50	60	75
Monthly consumption (litres)	60	48	40	32

10 10 15  
 12 8 8 80  
 36  
 400

If the price goes up to Rs. 80 a litre, his expected consumption in litres is expected to be:

- (a) 30
- (b) 28
- (c) 26
- (d) Cannot be determined

36. In a test, a candidate attempted only 10 questions and secured 50% marks in each of the questions. If he obtained a total of 25% in the test and all the questions carried equal marks, how many questions were there in the test?

- (a) 8
- (b) 10
- (c) 15
- (d) 20

10 → 50% → 50  
 5 10 → 50  
 5 10 → 50  
 5 → 25

37. A father is nine times as old as his son and the mother is eight times as old as the son. The sum of the father's and the mother's age is 68 years. What is the age of the son?

- (a) 10 years
- (b) 8 years
- (c) 6 years
- (d) 4 years

x 9x + 8x = 68  
 17x = 68  
 x = 4

38. Each of A, B, C and D has Rs. 100. A pays Rs. 20 to B, who pays Rs. 10 to C, who gets Rs. 30 from D. In this context, which of the following statements are correct?

- (a) C is the richest.
- (b) D is the richest
- (c) C has more than what A and D have in aggregate
- (d) D is richer than B

17  
 34  
 51  
 60

AE-18

40

10

25 82  
 100 44  
 5 = 10

75  
 32  
 2190

Series B

2400

100/80/50

Marko

39. Ram and Afzal start from the same point in opposite directions. After each 1 km, Ram always turns left and Afzal always turns right. Which of the following statements is correct?

- (a) After both have travelled 2 km, the distance between them is 4 km
- (b) They meet after each has travelled 3 km
- (c) They meet for the first time after each has travelled 4 km
- (d) They never meet.

✓ 1  
3 4 2

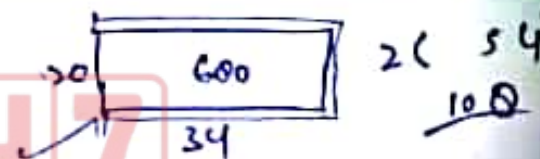
40. Two equal glasses of the same type are respectively  $\frac{1}{3}$  and  $\frac{1}{4}$  full of milk. The glasses are then filled to the brim by adding water and the contents are then mixed in a pot. What is the ratio of the content of water and milk in the pot?

- (a) 3:1
- (b) 7:3
- (c) 11:7
- (d) 17:7

✓  $\frac{1}{3}$   $\frac{1}{4}$

41. A rectangular field has to be fenced on three sides leaving one of the sides of 20 feet uncovered. If the area of the field is 680 sq. feet, how many feet of fencing will be required?

- (a) 95
- (b) 92
- (c) 88
- (d) 82

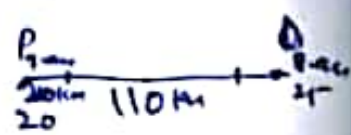


42. A large field of 700 hectares is divided into two parts. The difference of the areas of the two parts is one-fifth of the average of the two areas. What is the area of the smaller part in hectares?

- (a) 385 hectares
- (b) 315 hectares
- (c) 225 hectares
- (d) 175 hectares.

43. Two stations P and Q are 110 km apart on a straight track. One train starts from P at 7 a.m. and travels towards Q at 20 kmph. Another train starts from Q at 8 a.m. and travels towards P at a speed of 25 kmph. At what time will they meet?

- (a) 10 a.m.
- (b) 10:30 a.m.
- (c) 11 a.m.
- (d) 11:30 a.m.



44. Rahul went to a shop and bought things worth Rs. 25 out of which 30 paise went on sales tax on taxable purchases. If the tax rate was 6%, then what was the total amount that Rahul paid for the taxable items?

- (a) Rs. 5
- (b) Rs. 5.3
- (c) Rs. 19.7
- (d) Rs. 20

3 2 2.1 3 2  
3 4 4 3  
5 4

Series B

$25x = 600$   
 $x = 34$

$20 \rightarrow 9$   
 $9 \rightarrow 40$   
 $11 \rightarrow 60$   
 $50 \rightarrow 10$   
 $50 \rightarrow 10$

AE-18  
[Turn over]

45. A fruit seller had some oranges. He sells 40% oranges and still has 420 oranges. How many oranges he had originally?

- (a) 550
- (b) 700
- (c) 1000
- (d) 1050

$$60\% = 420 \cdot \frac{100}{420}$$

$$\frac{60}{100} \times 700 = 420$$

46. An accurate clock shows 8 o'clock in the morning. Through how many degrees will the hour hand rotate when the clock shows 2 o'clock in the afternoon?

- (a) 60
- (b) 90
- (c) 180
- (d) 360

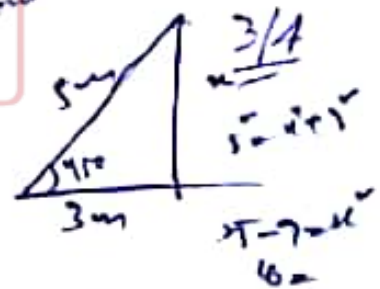


47. The average of 20 non-zero numbers is zero. Of them, how many of them may be greater than zero, at the most?

- (a) 0
- (b) 10
- (c) 18
- (d) 19

48. The angle of elevation of a 5 m long ladder leaning against a wall is 45 degrees and the foot of the ladder is 3 m away from the wall. The height of wall up to the point where the ladder is resting against it is:

- (a) 2 m
- (b) 3 m
- (c) 4 m
- (d) cannot be determined on the basis of the given information



49. P is able to do a piece of work in 15 days and Q can do the same work in 20 days. If they can work together for 4 days, what is the fraction of work left?

- (a) 8/15
- (b) 7/15
- (c) 11/15
- (d) 2/11

$$P - 15 \frac{1}{15}$$

$$Q - 20 \frac{1}{20}$$

$$\frac{20+15}{300} = \frac{7}{30}$$

50. The sum of the present ages of a son and his father is 60 years. Six years ago, father's age was five times the age of the son. After 6 years, what will be son's age?

- (a) 14 years
- (b) 20 years
- (c) 46 years
- (d) 52 years

$$\frac{35}{100} = \frac{7}{20}$$

E-18 14

$$x+6$$

$$10(x+6) = 5(x+6)$$

Series B

$$\boxed{x=6}$$

$$x+6 + 5x+30 = 72$$

$$6x = 36$$

$$\frac{7}{15}$$

Muzafar Ahmad

51. The 2020 Summer Olympics will be held at
- (a) Doha (b) Tokyo  
(c) London (d) Barcelona
52. The Zoji-la tunnel planned to be constructed under the Zoji-la pass will be:
- (a) The world's longest bidirectional tunnel  
(b) Asia's longest bi-directional tunnel  
(c) India's longest bi-directional tunnel  
(d) The world's highest tunnel
53. With which sport is Saikhom Mirabai Chanu associated?
- (a) Archery (b) Athletics  
(c) Weight lifting (d) Wrestling
54. Who captained the Indian team during the Women's Cricket World Cup, 2017?
- (a) Mithali Dorai Raj (b) Harmanpreet Kaur  
(c) Thirush Kamini (d) Poonam Raut
55. Kailash Satyarthi, who was awarded the Nobel Peace Prize in 2014, works in the field of:
- (a) Women's rights (b) Nuclear disarmament  
(c) Water rights (d) Child rights
56. The National Health Protection Scheme announced by the Finance Minister during the presentation of the budget for the fiscal year 2018-19 will
- (a) provide a 100 bedded hospital in each of the districts of India  
(b) provide a Rs. 5 lakh insurance cover to 10 crore economically vulnerable families  
(c) provide life-saving drugs to all persons below the poverty line  
(d) provide artificial limbs to physically disabled persons

57. The National Institute of Mental Health and Neuro Sciences is located in:
- (a) Kolkata ~~(b)~~ Bengaluru  
(c) Gurugram (d) Chennai
58. Which of the following is not correct with respect to Kalhana's 'Rajtarangini'?
- (a) The subject of the book deals with various dynasties that ruled Kashmir.  
~~(b)~~ The book was written in the 15<sup>th</sup> century,  
(c) It was written in Sanskrit  
(d) It is an invaluable source of information about early Kashmir.
59. Consider the following statements about Bitcoin:
- (i) Bitcoin is a cryptocurrency.  
(ii) It is the first decentralized digital currency.  
(iii) The system works as a peer-to-peer network called the block chain.
- Which of the above statements are correct?
- (a) (i) only (b) (i) and (ii) only,  
(c) (i) and (iii) only ~~(d)~~ (i), (ii) and (iii)
60. Sultan Zain-ul-Abedin, who ruled Kashmir during the 15<sup>th</sup> Century was also known as:
- ~~(a)~~ Bud-shah, (b) Alamgeer  
(c) Jahanpanah (d) Jehangir
61. In the context of computing software, which of the following is not an operating system?
- (a) Android (b) iOS  
(c) Windows ~~(d)~~ Microsoft Office,
62. Consider the following statements about Particulate Matter (PM):
- (i) Mixture of solid particles and liquid droplets found in the air.  
(ii) Dust from construction sites and unpaved roads is a major source of PM in the air.  
(iii) Over exposure to PM can lead to respiratory disorders.
- Which of the above statements are correct?
- (a) (i) and (ii) only (b) (i) and (iii) only ✓  
(c) (ii) and (iii) only ~~(d)~~ (i), (ii) and (iii)

63. When is the World Environment Day observed?  
(a) 21<sup>st</sup> January (b) 5<sup>th</sup> June,  
(c) 21<sup>st</sup> July (d) 5<sup>th</sup> October
64. The Paris Agreement on climate change seeks to  
(a) Ban the use of hydrocarbons by 2030  
(b) Reduce the use of hydrofluorocarbons  
(c) Keep the increase in global average temperature to well below 2°C above pre-industrial levels  
(d) All the above,
65. The Fourth Buddhist Council was held in Kashmir under the leadership of  
(a) Ashok (b) Bindusara  
(c) Kunal (d) Kanishka
66. The Border Area Development Programme is a scheme of the  
(a) Ministry of Home Affairs  
(b) Ministry of Defence,  
(c) Ministry of External Affairs  
(d) Ministry of Law and Justice
67. Among other things, excavations at Ambaran-Pamberwan sites near Akhnoor have proved that:  
(a) It was a Neolithic settlement  
(b) It was an iron-age settlement  
(c) It was a burial site  
(d) It was associated with Buddhism
68. Which one of the following is a renewable source of energy?  
(a) Natural gas (b) Wind energy,  
(c) Petroleum (d) Nuclear energy

69. Light years is a measure of
- (a) Time  (b) Distance,  
 (c) Speed (d) Luminosity
70. The McMahon Line is mentioned in the context of relations between India and
- (a) Nepal (b) Pakistan  
 (c) Bangladesh  (d) China,
71. Annie Besant formed the Home Rule League in India based on the pattern of Home Rule Movement in
- (a) Ireland (b) Scotland  
 (c) England, (d) Wales
72. Consider the following statements about Rabindranath Tagore:
- (i) He composed a number of patriotic songs during the 'Swadeshi' movement.  
 (ii) He returned his knighthood to condemn the brutal killing of innocent people at Jallianwala Bagh  
 (iii) He refused to accept the Nobel Prize.
- Which of the statements given above is/are correct?
- (a) (i) only (b) (ii) only  
 (c) (iii) only  (d) (i) and (ii)
73. The famous historical book, 'Travels in the Mughal Empire' was written by
- (a) Ibn Batuta  (b) Francois Bernier  
 (c) Al-Biruni (d) Thomas Roe
74. Which one among the following was not a feature of the provincial executive as envisaged by the Government of India Act, 1935?
- (a) The executive authority of the province was vested in the Governor  
 (b) There was a Council of Ministers to advise the Governor  
 (c) Dyarchy established by the Government of India Act, 1919 was abolished at the provincial level  
 (d) The Governor could be removed by a vote of no confidence of the Provincial legislature,

75. Which of the following statements about India's unorganized sector are true?

- (i) Labour is more in number than that in the organized sector. ✓
- (ii) Job security and work regulation are better in unorganized sector
- (iii) They are usually not organized into trade unions.

Which of the above statements is/are correct?

- (a) (i) only
- (b) (i) and (ii) only ✓
- ~~(c)~~ (i) and (iii) only ✓
- (d) (i), (ii) and (iii) ✓

76. In India, mergers and acquisition of firms are regulated by

- (a) National Manufacturing Competitiveness Council
- ~~(b)~~ Competition Commission of India ✓
- (c) Security and Exchange Board of India ✓
- (d) Department of Industrial Policy and Promotion ✓

77. Share of food in total consumption expenditure has been coming down as per capita income grew over time in last sixty years because

- (a) people have been purchasing less food
- (b) people have been preferring non-cereal items in their food basket
- ~~(c)~~ growth in food expenditure has been lower than growth in per capita income ✓
- ~~(d)~~ percentage of the poor in population has increased over time

78. The only Wild Ass sanctuary in India can be found at

- (a) Barmer in Rajasthan
- (b) Jaisalmer
- ~~(c)~~ Rann of Kutch ✓
- (d) Daman

79. 'Pradhan Mantri Ujjwala Yojna' is aimed at

- (a) Providing LED bulb to all BPL families
- ~~(b)~~ Providing LPG connections to all BPL households ✓
- (c) Providing electricity to all BPL households
- (d) Providing smokeless kerosene stoves to all households



80. Apart from Costa Rica, the Olive Ridley turtles also nest along the coast of one of the states of the country which has recently issued a ban on fishing for six months to protect this endangered species. Which of the following is the concerned state?
- (a) West Bengal (b) Andhra Pradesh  
(c) Odisha (d) Karnataka
81. Megasthenes visited India during the reign of
- (a) Chandragupta Vikramaditya (b) Chandragupta Maurya  
(c) Ashoka (d) Harsha
82. The remains of the Vijaynagar empire can be found at
- (a) Bijapur, (b) Golconda  
(c) Hampi, (d) Baroda
83. Initially an associate of Gandhi, he left the Congress, broke off with Gandhi and launched a radical social movement called the 'Self-Respect Movement'. The reference here is to
- (a) Chhatrapati Maharaj (b) E.V.R. Naicker  
(c) P. Tyagaraya Chetti, (d) Jyotirao Govind Rao Phule
84. The movement that came to an abrupt end because of the Chauri Chaura incident was the
- (a) Wahabi movement (b) Home rule movement  
(c) Non-Cooperation movement, (d) Civil Disobedience movement
85. Mango shower is associated with which one of the following states?
- (a) Punjab and Haryana, (b) Uttar Pradesh and Bihar  
(c) Gujarat and Orissa (d) Kerala and Karnataka,

86. Which one is a major river of Tamil Nadu?
- (a) Narmada ~~(b)~~ Kaveri  
(c) Tapti (d) Indus
87. How was the Wular lake formed?
- (a) It is a reservoir of a Hydel power project  
(b) It is an ox bow lake formed by the river Jhelum.  
(c) It was formed due to glacial activity  
~~(d)~~ It was formed due to tectonic activity
88. Duration of day and night in a country is influenced by its
- ~~(a)~~ Latitudinal extent, ~~(b)~~ Longitudinal extent  
(c) Equator (d) Prime Meridian
89. Which one of the following water bodies separate Sri Lanka from India?
- (a) Palk Strait and Gulf of Khambhat  
~~(b)~~ Palk Strait and Gulf of Mannar  
(c) Gulf of Mannar and 10 Degree Channel  
(d) 10 Degree Channel and Gulf of Khambhat
90. The ideals of liberty, equality and fraternity enshrined in the Preamble of the Constitution of India were inspired by
- ~~(a)~~ The French Revolution  
~~(b)~~ The Russian Revolution,  
(c) The American Declaration of Independence  
(d) The Chinese Revolution

91. In which state is the Manas National Park located?
- (a) Assam, (b) Rajasthan  
(c) West Bengal (d) Tamil Nadu
92. In blood, platelets are required for:
- (a) Transporting oxygen (b) Transporting carbon dioxide  
 (c) Initiating clotting of blood, (d) Immunity
93. Which attribute of a sound wave is related to the loudness of sound?
- (a) Amplitude (b) Frequency  
(c) Pitch, (d) Speed
94. Who among the following was associated with the Mughal Court as a physician to Prince Dara Shikoh?
- (a) Hakim Afzal Khan  (b) Francois Bernier,  
(c) Ibn Batuta (d) Duarte Barbosa
95. An emergency under article 352 of the Indian Constitution can be declared only during:
- (a) Failure of constitutional machinery in a State  
(b) Financial instability  
(c) War, external aggression or internal disturbance  
 (d) War, external aggression or armed rebellion
96. The provision of the Indian Constitution, that most clearly expresses the power of Judicial Review is:
- (a) Article 14 (b) Article 21  
 (c) Article 32 (d) Article 44
97. The SAARC Secretariat is located at:
- (a) Kathmandu, (b) Colombo  
(c) Islamabad (d) Male

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98. 'Pradhan Mantri Jan Dhan Yojana' has been launched for:
- (a) Providing housing loans to persons below the poverty line  
 (b) Promoting womens' Self Help Groups  
 (c) Promoting financial inclusion in the country  
 (d) Promoting loans to start-up business ventures
99. Which one of the following pairs of States of India indicates the easternmost and westernmost State?
- (a) Assam and Rajasthan  
 (b) Manipur and Gujarat  
 (c) Nagaland and Rajasthan  
 (d) Arunachal Pradesh and Gujarat
100. Consider the following statements:
- (i) A Money Bill can be introduced in any of the Houses of Parliament.  
 (ii) The determination whether a Bill is a Money Bill is made by the Union Cabinet.  
 Which of the above statements are correct?
- (a) Only (i)  
 (b) Only (ii)  
 (c) Both (i) and (ii)  
 (d) Neither (i) nor (ii)
101. The Government of India Act, 1919, clearly defined:
- (a) The separation of powers between the judiciary and the executive  
 (b) The jurisdictions of the Central and Provincial Governments  
 (c) The powers of the Secretary of State for India and the Viceroy  
 (d) None of the above
102. The area known as 'Golan Heights' sometimes appears in the news in the context of the events related to:
- (a) Middle East  
 (b) Central Asia  
 (c) South East Asia  
 (d) Sub-Saharan Africa
103. The Government of India has established the NITI Aayog to replace the:
- (a) Finance Commission  
 (b) Planning Commission  
 (c) Pay Commission  
 (d) National Economic Advisory Board

104. Consider the following :

- (i) The executive power of the Union of India is vested in the Prime Minister.
- (ii) The Prime Minister of India must be an elected member of the Lok Sabha.

Which of the above statements is/are correct?

- (a) (i) only
- (b) (ii) only
- (c) Both (i) and (ii)
- (d) Neither (i) nor (ii)

105. The provisions of the Fifth and Sixth Schedules of the Indian Constitution have been made in order to:

- (a) Protect the interests of the Scheduled Tribes
- (b) Protect the interests of the Minority communities.
- (c) Protect the interests of the Scheduled Castes
- (d) Protect the interests of Women and Children

106. Which part of the Indian Constitution enshrines the idea of a 'Welfare State'?

- (a) Preamble
- (b) Fundamental Rights
- (c) Directive Principles of State Policy
- (d) Fundamental Duties

107. Which one of the following countries is known as the "Land of a Thousand Lakes"?

- (a) Denmark
- (b) Finland
- (c) The Netherlands
- (d) Poland

108. Which one of the following pairs of glaciers and locations is not correctly matched?

- (a) Nubra Valley Glacier - Arunachal Pradesh
- (b) Milam Glacier - Uttarakhand
- (c) Bhaga Valley Glacier - Himachal Pradesh
- (d) Zemu Glacier - Sikkim

109. The Central Potato Research Institute is located at

- (a) Almora
- (b) Shimla
- (c) Noida
- (d) Murshidabad

110. Which one of the following gases is not responsible for global warming?

- (a) Water vapour  
(b) ~~Oxygen~~  
(c) Nitrous Oxide  
(d) Methane

111. Which of the following statements regarding temperature of an object in Kelvin scale is/are correct?

- (i) It can be a negative, zero or positive quantity.  
(ii) It can either be a negative or a positive quantity.  
(iii) It can never be negative.  
(iv) It can be a zero or a positive definite quantity.

Select the correct answer using the code given below:

- (a) (i) and (ii) only  
(b) (ii) and (iv) only  
(c) ~~(iii) and (iv) only~~  
(d) (iv) only

112. Graphite is a good conductor of electricity. It is because of its

- (a) linear structure  
(b) tetrahedral structure  
(c) ~~trigonal planar structure~~  
(d) ~~hexagonal multilayer structure~~

113. Which one among the following is responsible for the command, control and operational decisions of nuclear weapons in India?

- (a) Nuclear Commission of India  
(b) ~~Nuclear Command Authority~~  
(c) The Ministry of Defence  
(d) The Cabinet Committee on Security

114. Which one of the following Articles of the Constitution of India provides that the State shall not deny to any person equality before the law or the equal protection of the laws within the territory of India?

- (a) ~~Article 14~~  
(b) Article 12  
(c) Article 13  
(d) Article 15

115. The Counter Insurgency and Jungle Warfare School of the Indian Army is located at

- (a) Khadakvasla  
(b) Dehradun  
(c) ~~Vairengte~~  
(d) Gulmarg

116. INS Kalvari which was commissioned into the Indian Navy in December 2017 is a/an:
- (a) Aircraft Carrier (b) Armoured Frigate  
(c) Battleship (d)  Submarine
117. The 'Doctrine of Lapse' was a policy that aimed to
- (a) control the rebellions in the Princely States  
(b)  extend the military strength of the British  
(c) regulate the landlords  
(d)  extend the territorial boundaries of the English East India Company
118. The Permanent Settlement of 1793 introduced
- (a) Peasant rights  
(b)  The 'Zamindari' system  
(c) Shipping rights for the East India Company  
(d)  Property rights for women
119. Consider the following statements about Grand Slam tennis tournaments:
- (i) There are four Grand Slam annual tennis tournaments.  
(ii) The first Grand Slam of a year is the US Open.  
(iii) The Australian and the US tournaments are played on clay courts.
- Which of the statements given above is/are correct?
- (a) (i), (ii) and (iii) (b)  (i) and (ii) only  
(c)  (i) only, (d) (ii) and (iii) only
120. After diagnosis of disease in a person, the doctor advises the patient iron and folic acid tablets. The person is suffering from
- (a) osteoporosis (b)  anaemia  
(c) goitre (d) protein-energy malnutrition