

**DO NOT OPEN THIS TEST BOOKLET UNTIL YOU ARE TOLD TO DO SO**

**T.B.C. : SDHY-B-GKN**

**Test Booklet Series**

**TEST BOOKLET  
GENERAL KNOWLEDGE**

**B**

**Time Allowed : Two Hours**

**Maximum Marks : 100**

**INSTRUCTIONS**

1. IMMEDIATELY AFTER THE COMMENCEMENT OF THE EXAMINATION, YOU SHOULD CHECK THAT THIS TEST BOOKLET DOES **NOT** HAVE ANY UNPRINTED OR TORN OR MISSING PAGES OR ITEMS, ETC. IF SO, GET IT REPLACED BY A COMPLETE TEST BOOKLET.
2. Please note that it is the candidate's responsibility to encode and fill in the Roll Number and Test Booklet Series A, B, C or D carefully and without any omission or discrepancy at the appropriate places in the OMR Answer Sheet. Any omission/discrepancy will render the Answer Sheet liable for rejection.
3. You have to enter your Roll Number on the Test Booklet in the Box provided alongside.  
**DO NOT** write *anything else* on the Test Booklet.
4. This Test Booklet contains 120 items (questions). Each item is printed both in **Hindi and English**. Each item comprises four responses (answers). You will select the response which you want to mark on the Answer Sheet. In case you feel that there is more than one correct response, mark the response which you consider the best. In any case, choose **ONLY ONE** response for each item.
5. You have to mark all your responses **ONLY** on the separate Answer Sheet provided. See directions in the Answer Sheet.
6. **All** items carry equal marks.
7. Before you proceed to mark in the Answer Sheet the response to various items in the Test Booklet, you have to fill in some particulars in the Answer Sheet as per instructions sent to you with your Admission Certificate.
8. After you have completed filling in all your responses on the Answer Sheet and the examination has concluded, you should hand over to the Invigilator **only the Answer Sheet**. You are permitted to take away with you the Test Booklet.
9. Sheets for rough work are appended in the Test Booklet at the end.
10. **Penalty for wrong answers :**  
**THERE WILL BE PENALTY FOR WRONG ANSWERS MARKED BY A CANDIDATE IN THE OBJECTIVE TYPE QUESTION PAPERS.**
  - (i) There are four alternatives for the answer to every question. For each question for which a wrong answer has been given by the candidate, **one-third** of the marks assigned to that question will be deducted as penalty.
  - (ii) If a candidate gives more than one answer, it will be treated as a **wrong answer** even if one of the given answers happens to be correct and there will be same penalty as above to that question.
  - (iii) If a question is left blank, i.e., no answer is given by the candidate, there will be **no penalty** for that question.

**DO NOT OPEN THIS TEST BOOKLET UNTIL YOU ARE TOLD TO DO SO**

ध्यान दें : अनुदेशों का हिन्दी रूपान्तर इस पुस्तिका के मुखपृष्ठ पर छपा है ।

**NDA 2024**  
**NDA FOUNDATION**  
For NDA-2 Aspirants  
~~₹ 4,800/-~~ ₹ 1,999 /-

**NDA 2024**  
**SHAURYA 1.0**  
For NDA Aspirants  
~~₹ 3,200/-~~ ₹ 1,899 /-

**CDS 2024**  
**VIRAAT 1.0**  
For CDS Aspirants  
~~₹ 3,200/-~~ ₹ 1,899 /-

**COMBO 2024**  
**CDS VIRAAT 1.0 + CAPF**  
For CDS + CAPF Aspirants  
~~₹ 3,200/-~~ ₹ 1,899 /-

**COMBO 2024**  
**CDS VIRAAT 1.0 + AFCAT Garud**  
For CDS + AFCAT Aspirants  
~~₹ 3,999/-~~ ₹ 2,199 /-



1. Which one of the following is the motto of NCC ?
- (a) Unity and Discipline
  - (b) Unity and Integrity
  - (c) Unity and Command
  - (d) Unity and Service
2. Which one of the following departments is *not* under the Ministry of Home Affairs ?
- (a) Department of Official Languages
  - (b) Department of Border Management
  - (c) Department of Jammu and Kashmir Affairs
  - (d) Department of Legal Affairs
3. Which of the following statements is/are correct ?
1. India is a signatory to the United Nations Convention to Combat Desertification (UNCCD).
  2. Ministry of Home Affairs is the nodal Ministry in the Government of India for the UNCCD.
- Select the correct answer using the code given below :
- (a) 1 only
  - (b) 2 only
  - (c) Both 1 and 2
  - (d) Neither 1 nor 2
4. Under which one of the following Articles of the Constitution of India, a statement of estimated receipts and expenditure of the Government of India has to be laid before the Parliament in respect of every financial year ?
- (a) Article 110
  - (b) Article 111
  - (c) Article 112
  - (d) Article 113
5. The South Asian Association for Regional Cooperation was founded in
- (a) Colombo
  - (b) Islamabad
  - (c) Kathmandu
  - (d) Dhaka
6. Which one of the following countries is *not* a founding member of the New Development Bank ?
- (a) Brazil
  - (b) Canada
  - (c) Russia
  - (d) India
7. The Public Financial Management System (PFMS) is a web-based online software application designed, developed, owned and implemented by the
- (a) Department of Financial Services
  - (b) Institute of Government Accounts and Finance
  - (c) Controller General of Accounts
  - (d) National Institute of Financial Management

8. Match List I with List II and select the correct answer using the code given below the lists :

<i>List I</i> (Institute)	<i>List II</i> (Location)
------------------------------	------------------------------

- |   |              |
|---|--------------|
| A. National Institute of Ayurveda       | 1. Chennai   |
| B. National Institute of Homoeopathy    | 2. Bengaluru |
| C. National Institute of Unani Medicine | 3. Kolkata   |
| D. National Institute of Siddha         | 4. Jaipur    |

Code :

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

9. Which of the following statements about 'Invest India' is/are correct ?

1. It is a joint venture (not for profit) company.
2. It is the National Investment Promotion and Facilitation Agency of India.

Select the correct answer using the code given below :

- (a) 1 only
- (b) 2 only
- (c) Both 1 and 2
- (d) Neither 1 nor 2

10. The National Dope Testing Laboratory functions under

- (a) Ministry of Health and Family Welfare
- (b) Ministry of Science and Technology
- (c) Ministry of Youth Affairs and Sports
- (d) Ministry of Home Affairs

11. In how many phases was the general election, 2019 conducted in India ?

- (a) 6 phases
- (b) 7 phases
- (c) 8 phases
- (d) 9 phases

12. Which one of the following statements about the Organization of Islamic Cooperation is *not* correct ?

- (a) Its permanent Secretariat is located at Jeddah.
- (b) It endeavours to safeguard and protect interests of the Muslim world in the spirit of promoting international peace and harmony among various people of the world.
- (c) It is the largest inter-governmental organization of the world.
- (d) It has consultative and cooperative relations with the UN.

13. Who among the following won the Italian Open Women's Tennis Singles Title, 2019 ?

- (a) Karolina Pliskova
- (b) Johanna Konta
- (c) Naomi Osaka
- (d) Serena Williams

14. Which among the following IN ship(s) participated in the SIMBEX-19 ?

1. *INS Kolkata*
2. *INS Shakti*
3. *INS Vikrant*

Select the correct answer using the code given below :

- (a) 1, 2 and 3
- (b) 1 and 2 only
- (c) 2 and 3 only
- (d) 1 only

15. 'Triples' is a new format of

- (a) Boxing
- (b) Judo
- (c) Chess
- (d) Badminton

16. Who among the following was the Chairman of the Committee on Deepening Digital Payments appointed by the RBI ?

- (a) H.R. Khan
- (b) Nandan Nilekani
- (c) N.R. Narayana Murthy
- (d) Sanjay Jain

17. 'The Sasakawa Award' of United Nations is given in recognition of the work done in the field of

- (a) Disaster Reduction
- (b) Peace Keeping
- (c) Health Services
- (d) Poverty Alleviation

18. Why was India's G.S. Lakshmi in news recently ?

- (a) She was the first Indian to play cricket for an English County Club.
- (b) She became the first female ICC match referee.
- (c) She was awarded the Ramon Magsaysay Award for the year 2019.
- (d) She was the recipient of the Booker Prize in the year 2019.

19. Who among the following was elected as the President of Indonesia for the second term ?

- (a) Joko Widodo
- (b) Prabowo Subianto
- (c) Sandiaga Uno
- (d) Jusuf Kalla

20. In India, May 21 is observed as

- (a) NRI Day
- (b) National Youth Day
- (c) National Technology Day
- (d) National Anti-Terrorism Day

21. Arrange the following in the chronological order of their implementation :

1. The Indian Factory Act (First)
2. The Vernacular Press Act
3. The Morley-Minto Reforms
4. The Cornwallis Code

Select the correct answer using the code given below :

- (a) 4, 2, 1, 3
- (b) 2, 4, 1, 3
- (c) 3, 4, 1, 2
- (d) 2, 1, 3, 4

22. Article 371 A of the Constitution of India provides special privileges to

- (a) Nagaland
- (b) Mizoram
- (c) Sikkim
- (d) Manipur

23. How many Zonal Councils were set up vide Part-III of the States Re-organization Act, 1956 ?

- (a) Eight
- (b) Seven
- (c) Six
- (d) Five

24. Which provision of the Constitution of India provides that the President shall *not* be answerable to any Court in India for the exercise of powers of his office ?

- (a) Article 53
- (b) Article 74
- (c) Article 361
- (d) Article 363

25. Which law prescribes that all proceedings in the Supreme Court shall be in English language ?

- (a) Article 145 of the Constitution of India
- (b) Article 348 of the Constitution of India
- (c) The Supreme Court Rules, 1966
- (d) An Act passed by the Parliament

26. The total number of members in the Union Council of Ministers in India shall *not* exceed

- (a) 10% of the total number of members of the Parliament
- (b) 15% of the total number of members of the Parliament
- (c) 10% of the total number of members of the Lok Sabha
- (d) 15% of the total number of members of the Lok Sabha

27. Which one of the following is the most noticeable characteristic of the Mediterranean climate ?

- (a) Limited geographical extent
- (b) Dry summer
- (c) Dry winter
- (d) Moderate temperature

28. Which one of the following rivers takes a 'U' turn at Namcha Barwa and enters India ?
- Ganga
  - Tista
  - Barak
  - Brahmaputra
29. What was the Dutt-Bradley thesis ?
- The Working Committee of the Indian National Congress decided that Congress should play a crucial role in realising the independence of India
  - The Socialist party decided to play foremost part in anti-imperialist struggle
  - Revolutionary socialist Batukeshwar Dutt put forth a ten-point plan to work for the success of anti-imperialist front
  - It was a Communist party document, according to which the National Congress could play a great part and a foremost part in realising the anti-imperialist people's front
30. The *khuntkatti* tenure was prevalent in which one of the following regions of India during the British Colonial Rule ?
- Bundelkhand
  - Karnataka
  - Chota Nagpur
  - Madras Presidency
31. Who was the author of the book '*Plagues and Peoples*' ?
- William H. McNeill
  - W.I. Thomas
  - Rachel Carson
  - David Cannadine
32. Who among the following started the Indian Agriculture Service ?
- Lord Curzon
  - William Bentinck
  - Lord Minto
  - Lord Rippon
33. '*Chandimangala*' was composed in which one of the following languages during the 16<sup>th</sup> century CE ?
- Sanskrit
  - Tamil
  - Bengali
  - Oriya
34. In December 1962, which Soviet leader declared that China was responsible for the Sino-Indian War of 1962 ?
- Khrushchev
  - Bulganin
  - Suslov
  - Malenkov

35. Which of the following statements with regard to the 'Make in India' initiative is/are correct ?

1. It was launched in the year 2018.
2. Its objective is to foster innovation.

Select the correct answer using the code given below :

- (a) 1 only
- (b) 2 only
- (c) Both 1 and 2
- (d) Neither 1 nor 2

36. Which one of the following States does *not* have a Legislative Council ?

- (a) Karnataka
- (b) Telangana
- (c) Jammu and Kashmir
- (d) Arunachal Pradesh

37. What is SWAYAM ?

- (a) Study Webs of Active-Learning for Young Aspiring Minds
- (b) Study Webs of Active-Learning for Youth Aspiring Minds
- (c) Study Webs of Active-Learning for Young Aspiration Minds
- (d) Study Webs of Active-Learning for Youth of Aspiration Minds

38. Which one of the following is *not* enumerated in the Constitution of India as a fundamental duty of citizens of India ?

- (a) To safeguard public property
- (b) To protect and improve the natural environment
- (c) To develop the scientific temper and spirit of inquiry
- (d) To promote international peace and security

39. Who among the following in his book '*The Managerial Revolution*' argued that a managerial class dominated all industrial societies, both capitalist and communist, by virtue of its technical and scientific knowledge and its administrative skills ?

- (a) James Burnham
- (b) Robert Michels
- (c) Gaetano Mosca
- (d) Vilfredo Pareto

40. Which one of the following conditions laid down in the Constitution of India for the issue of a writ of Quo-Warranto is *not* correct ?

- (a) The office must be public and it must be created by a Statute
- (b) The office must be a substantive one
- (c) There has been a contravention of the Constitution or a Statute in appointing such person to that office
- (d) The appointment is in tune with a statutory provision



41. Which one of the following equals Personal Disposable Income ?
- Personal Income - Direct taxes paid by households and miscellaneous fees, fines, etc.
  - Private Income - Saving of Private Corporate Sectors - Corporation Tax
  - Private Income - Taxes
  - Total expenditure of Households - Income Tax - Gifts received
42. The working of the price mechanism in a free-market economy refers to which one of the following ?
- The interplay of the forces of demand and supply
  - Determination of the inflation rate in the economy
  - Determination of the economy's propensity to consume
  - Determination of the economy's full employment output
43. Indexation is a method whose use can be associated with which one of the following ?
- Controlling inflation
  - Nominal GDP estimation
  - Measurement of savings rate
  - Fixing of wage compensation
44. A car undergoes a uniform circular motion. The acceleration of the car is
- zero
  - a non-zero constant
  - a non-zero but not a constant
  - None of the above
45. An echo is heard after 5 seconds of the production of sound which moves with a speed of 340 m/s. What is the distance of the mountain from the source of sound which produced the echo ?
- 0.085 km
  - 0.85 km
  - 0.17 km
  - 1.7 km
46. A 100 W electric bulb is used for 10 hours a day. How many units of energy are consumed in 30 days ?
- 1
  - 10
  - 30
  - 300
47. Which of the following statements relating to the Fifth Schedule of the Constitution of India is *not* correct ?
- It relates to the special provision for administration of certain areas in the States other than Assam, Meghalaya, Tripura and Mizoram.
  - Tribal advisory councils are to be constituted to give advice under the Fifth Schedule.
  - The Governor is not authorized to make regulations to prohibit or restrict the transfer of land by, or among members of the Scheduled Tribes.
  - The Governors of the States in which there are scheduled areas have to submit reports to the President regarding the administration of such areas.

48. Consider the following statements with regard to the formation of new States and alteration of boundaries of existing States :

1. Parliament may increase the area of any State.
2. Parliament may diminish the area of any State.
3. Parliament cannot alter the boundary of any State.
4. Parliament cannot alter the name of any State.

Which of the statements given above is/are *not* correct ?

- (a) 1 and 2
- (b) 2 and 3
- (c) 3 and 4
- (d) 4 only

49. Consider the following statements :

1. The Advocate General of a State in India is appointed by the President of India upon the recommendations of the Governor of the concerned State.
2. As provided in the Code of Civil Procedure, High Courts have original appellate advisory jurisdiction at the State level.

Which of the statements given above is/are correct ?

- (a) 1 only
- (b) 2 only
- (c) Both 1 and 2
- (d) Neither 1 nor 2

50. Which one of the following forms of Constitution contains the features of both the Unitary and Federal Constitution ?

- (a) Unitary
- (b) Federal
- (c) Quasi-Federal
- (d) Quasi-Unitary

51. Which one of the following Indian States has *no* international boundary ?

- (a) Bihar
- (b) Chhattisgarh
- (c) Uttarakhand
- (d) Meghalaya

52. Which one of the following Indian cities is *not* located on a river bank ?

- (a) Agra
- (b) Bhagalpur
- (c) Bhopal
- (d) Kanpur

53. Where are Jhumri Telaiya and Mandar Hills situated ?

- (a) Jharkhand
- (b) Bihar
- (c) Assam
- (d) West Bengal

54. Which one of the following is *not* correct regarding South India ?

- (a) Diurnal range of temperature is less
- (b) Annual range of temperature is less
- (c) Temperature is high throughout the year
- (d) Extreme climatic conditions are found

55. Which one of the following statements regarding sex composition is *not* correct ?

- (a) In some countries, sex ratio is expressed as number of males per thousand females.
- (b) In India, sex ratio is expressed as number of females per thousand males.
- (c) At world level, sex ratio is about 102 males per 100 females.
- (d) In Asia, there is high sex ratio.

56. Who among the following has given the concept of Human Development ?

- (a) Amartya Sen
- (b) Mahbub-ul-Haq
- (c) Sukhamoy Chakravarty
- (d) G.S. Chaddha

57. Which one of the following regions is an important supplier of citrus fruits ?

- (a) Equatorial region
- (b) Mediterranean region
- (c) Desert region
- (d) Sub-humid region

58. Who were the Nayanars ?

- (a) Those who were immersed in devotion to Vishnu
- (b) Those who were devotees of Buddha
- (c) Leaders who were devotees of Shiva
- (d) Leaders who were devotees of Basवेश्वरा

59. Match List I with List II and select the correct answer using the code given below the lists :

*List I*

(Ethnic  
Territorial  
Segment)

*List II*

(Related  
Occupational  
Pattern)

- |                   |                   |
|-------------------|-------------------|
| A. Maruta Makkal  | 1. Pastoralists   |
| B. Kuravan Makkal | 2. Fishing people |
| C. Mullai Makkal  | 3. Ploughmen      |
| D. Neytal Makkal  | 4. Hill people    |

Code :

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

60. Who among the following Mughal emperors was a follower of the Naqshbandiyya leader, Khwaja Ubaydullah Ahrar ?

- (a) Babur
- (b) Humayun
- (c) Akbar
- (d) Jahangir

61. Which one of the following statements about the Government of India Act, 1919 is *not* correct ?
- It extended the practice of communal representation.
  - It made the Central Executive responsible to the Legislature.
  - It is also known as the Montague-Chelmsford Reforms.
  - It paved the way for federalism by clearly separating the responsibilities of the Centre and the Provinces.
62. The concept of "Four Pillar State", free from district magistracy for India was suggested by
- Lala Lajpat Rai
  - Ram Manohar Lohia
  - Raja Ram Mohan Roy
  - Subash Chandra Bose
63. Which one among the following is *not* a part of the Fundamental Rights (Part III) of the Constitution of India ?
- Prohibition of traffic in human beings and forced labour
  - Prohibition of employment of children in factories
  - Participation of workers in management of industries
  - Practice any profession, or to carry on any occupation, trade or business
64. Which one of the following is *not* a geographical requirement for cultivation of cotton ?
- Temperature reaching 25°C or more in summer
  - Moderate to light rainfall
  - Medium loam soil with good drainage
  - A growing period of at least 100 frost free days
65. Which one of the following statements regarding temperate coniferous forest biome is *not* correct ?
- They are characterized by very little undergrowth.
  - They have a growing period of 50 to 100 days in a year.
  - There is low variation in annual temperature.
  - There is high range in spatial distribution of annual precipitation.
66. Match List I with List II and select the correct answer using the code given below the lists :
- | <i>List I</i><br>(Peak) | <i>List II</i><br>(Name of Hill) |
|-------------------------|----------------------------------|
| A. Anaimudi             | 1. Nilgiri                       |
| B. Doddabetta           | 2. Satpura                       |
| C. Dhupgarh             | 3. Aravali                       |
| D. Guru Shikhar         | 4. Annamalai                     |
- Code :**
- |     | A | B | C | D |
|-----|---|---|---|---|
| (a) | 3 | 2 | 1 | 4 |
| (b) | 3 | 1 | 2 | 4 |
| (c) | 4 | 1 | 2 | 3 |
| (d) | 4 | 2 | 1 | 3 |



67. Coral reefs are *not* found in which one of the following regions ?

- (a) Lakshadweep Islands
- (b) Gulf of Kachchh
- (c) Gulf of Mannar
- (d) Gulf of Cambay

68. In which one of the following States is jute *not* significantly cultivated ?

- (a) Assam
- (b) West Bengal
- (c) Odisha
- (d) Andhra Pradesh

69. Consider the following statements :

1. According to *Mahavamsa*, Ashoka turned to the Buddha's dhamma when his nephew Nigrodha preached the doctrine to him.
2. *Divyavadana* ascribes Ashoka being drawn to the Buddha's teaching to the influence of Samudra, a merchant-turned monk.
3. *Dipavamsa* speaks of Samudra, the 12-year-old son of a merchant, as the key figure in Ashoka's coming under the influence of the Buddhist dhamma.

Which of the statements given above is/are correct ?

- (a) 1 only
- (b) 2 only
- (c) 1 and 2
- (d) 1 and 3

70. Name the site that gives us valuable information about India's maritime links on the Coromandel coast.

- (a) Bharukachchha
- (b) Karur
- (c) Arikamedu
- (d) Anuradhapura

71. Where are the largest quantity of cichlids found in India ?

- (a) Backwaters of Kerala
- (b) Sunderbans
- (c) Narmada
- (d) Godavari

72. Which Greek philosopher coined the term "Geography" in the 3<sup>rd</sup> century B.C.E. ?

- (a) Euclid
- (b) Plato
- (c) Eratosthenes
- (d) Clio

73. Who is the author of the 16<sup>th</sup> century Sanskrit text, the *Vraja Bhakti Vilasa* which focuses on the Braj region in North India ?

- (a) Todar Mal
- (b) Narayana Bhatta
- (c) Chaitanya
- (d) Rupa Goswami

74. Bose-Einstein Condensate is

- (a) solid state of matter
- (b) fifth state of matter
- (c) plasma
- (d) state of condensed matter

75. The rate of evaporation of liquid does *not* depend upon

- (a) temperature
- (b) its surface area exposed to the atmosphere
- (c) its mass
- (d) humidity

76. Rutherford's alpha particle scattering experiment on thin gold foil was responsible for the discovery of

- (a) electron
- (b) proton
- (c) atomic nucleus
- (d) neutron

77. Food chain is

- (a) relationship between autotrophic organisms
- (b) exchange of genetic material between two organisms
- (c) passage of food (and thus energy) from one organism to another
- (d) modern entrepreneur establishment providing food outlets

78. Which one of the following is active transport ?

- (a) It is the movement of a substance against a diffusion gradient with the use of energy from respiration.
- (b) It is the movement of a substance against a diffusion gradient without the use of energy.
- (c) It is the movement of a substance against a diffusion gradient with the use of energy from photosynthesis.
- (d) It is the movement of a substance along a diffusion gradient with the use of energy from respiration.

79. Chlorophyll in photosynthetic prokaryotic bacteria is associated with

- (a) plastids
- (b) membranous vesicles
- (c) nucleoids
- (d) chromosomes

80. What do you mean by 'Demographic Dividend' ?

- (a) A rise in the rate of economic growth due to a higher share of working age people in a population
- (b) A rise in the rate of literacy due to development of educational institutions in different parts of the country
- (c) A rise in the standard of living of the people due to the growth of alternative livelihood practices
- (d) A rise in the gross employment ratio of a country due to government policies

81. Which one of the following organisms is responsible for sleeping sickness ?
- Leishmania*
  - Trypanosoma*
  - Ascaris*
  - Helicobacter*
82. Which one of the following body parts/organs of the human body does **not** have smooth muscles ?
- Ureters
  - Iris of eye
  - Bronchi of lungs
  - Biceps
83. What is Inter-cropping ?
- It is the time period between two cropping seasons.
  - It is growing of two or more crops in random mixture.
  - It is growing of two or more crops in definite row patterns.
  - It is growing of different crops on a piece of land in a pre-planned succession.
84. Magnification is
- actual size of specimen / observed size
  - observed size of specimen / actual size
  - actual size of specimen - observed size
  - actual size of specimen  $\times$  observed size
85. Which one of the following cell organelles is known as 'suicide bags' of a cell ?
- Lysosomes
  - Plastids
  - Endoplasmic reticulum
  - Mitochondria
86. Which one of the following statements with regard to economic models is **not** correct ?
- They involve simplification of complex processes.
  - They represent the whole or a part of a theory.
  - They can be expressed only through equations.
  - They help in gaining an insight into cause and effect.
87. The value of the slope of a normal demand curve is
- positive
  - negative
  - zero
  - infinity
88. Which one of the following is an example of a price floor ?
- Minimum Support Price (MSP) for Jowar in India
  - Subsidy given to farmers to buy fertilizers
  - Price paid by people to buy goods from ration shops
  - Maximum Retail Price (MRP) printed on the covers/packets of goods sold in India
89. Which one of the following factors is **not** considered in determining the Minimum Support Price (MSP) in India ?
- Cost of production
  - Price trends in international and domestic markets
  - Cost of living index
  - Inter-crop price parity

90. Which one of the following is *not* a dimension of the Human Development Index ?
- A long and healthy life
  - Knowledge
  - Access to banking and other financial provisions
  - A decent standard of living
91. Gini Coefficient or Gini Ratio can be associated with which one of the following measurements in an economy ?
- Rate of inflation
  - Poverty index
  - Income inequality
  - Personal income
92. Consider the following statements :
- Particles of matter intermix on their own.
  - Particles of matter have force acting between them.
- Which of the statements given above is/are correct ?
- 1 only
  - 2 only
  - Both 1 and 2
  - Neither 1 nor 2
93. Rate of evaporation increases with
- an increase of surface area
  - an increase in humidity
  - a decrease in wind speed
  - a decrease of temperature
94. If an object is at rest, then the time (X-axis) versus distance (Y-axis) graph
- is vertical
  - is horizontal
  - has  $45^\circ$  positive slope
  - has  $45^\circ$  negative slope
95. Consider the following statements about mixture :
- A substance can be separated into other kinds of matter by any physical process.
  - Dissolved sodium chloride can be separated from water by the physical process of evaporation.
- Which of the statements given above is/are correct ?
- 1 only
  - 2 only
  - Both 1 and 2
  - Neither 1 nor 2
96. Which one of the following statements is *not* correct ?
- Elements are defined by the number of protons they possess.
  - Isobars are atoms having the same atomic number but different mass number.
  - The mass number of an atom is equal to the number of nucleons in its nucleus.
  - Valency is the combining capacity of an atom.
97. If the speed of a moving magnet inside a coil increases, the electric current in the coil
- increases
  - decreases
  - reverses
  - remains the same



98. The frequency (in Hz) of a note that is one octave higher than 500 Hz is

- (a) 375
- (b) 750
- (c) 1000
- (d) 2000

99. Which of the following statements as per the Constitution of India are **not** correct ?

1. The President tenders his resignation to the Chief Justice of India.
2. The Vice-President tenders his resignation to the President of India.
3. The Comptroller and Auditor General of India is removed from his office in the like manner as the President of India.
4. A Judge of the Supreme Court can resign his office by writing under his hand addressed to the Chief Justice of India.

Select the correct answer using the code given below :

- (a) 1 and 2 only
- (b) 3 and 4 only
- (c) 1, 2 and 3
- (d) 1, 3 and 4

100. Rajya Sabha has exclusive jurisdiction in

- (a) creation of new States
- (b) declaring a war
- (c) financial emergency
- (d) authorizing Parliament to legislate on a subject in the State List

101. The term soil impoverishment relates to which one of the following ?

- (a) Soil erosion
- (b) Soil deposition
- (c) Soil getting very deficient in plant nutrients
- (d) Soil getting enriched with plant nutrients

102. Which one of the following is the correct sequential phase in the successional development of vegetation community in a habitat ?

- (a) Migration, Reaction, Stabilization and Nudation
- (b) Migration, Stabilization, Reaction and Nudation
- (c) Nudation, Migration, Reaction and Stabilization
- (d) Reaction, Migration, Stabilization and Nudation

103. Match List I with List II and select the correct answer using the code given below the lists :

*List I*  
(Soil type)

*List II*  
(Major characteristic)

- |              |  |
|--------------|--|
| A. Oxisols   | 1. Very rich in organic matter           |
| B. Vertisols | 2. Soil lacking horizons                 |
| C. Histosols | 3. Very old and highly weathered         |
| D. Entisols  | 4. Rich in clay content and highly basic |

Code :

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

104. Which one of the following mountains separates Black Sea and Caspian Sea ?

- (a) Urals
- (b) Caucasus
- (c) Carpathians
- (d) Balkan mountains

105. Rains caused by thunderstorms during the hot weather season (mid-March to mid-June) in Karnataka are called

- (a) Kalbaisakhi
- (b) Mango showers
- (c) Loo
- (d) Cherry blossoms

106. Which one of the following is the largest fresh water lake in India ?

- (a) Chilika
- (b) Loktak
- (c) Dal
- (d) Wular

**Direction :** The following 4 (four) items consist of two statements, Statement I and Statement II. Examine these two statements carefully and select the correct answer using the code given below :

**Code :**

- (a) Both the statements are individually true and Statement II is the correct explanation of Statement I.
- (b) Both the statements are individually true but Statement II is *not* the correct explanation of Statement I.
- (c) Statement I is true but Statement II is false.
- (d) Statement I is false but Statement II is true.

107. *Statement I :*

The Greek travellers were most impressed by the fertility of India's soil and the energy and ability of her cultivators.

*Statement II :*

Ancient India knew the use of manure.

108. *Statement I :*

Non-cooperation began in Punjab with the student movement inspired by Lala Lajpat Rai in January 1921.

*Statement II :*

The Sikh dominated central Punjab countryside was stirred by the powerful Akali upsurge.

109. *Statement I :*

The Oudh Kisan Sabha established in 1920 failed to bring under its wing any Kisan Sabhas.

*Statement II :*

The Oudh Kisan Sabha asked the Kisans to refuse to till bedakhli land, not to offer *hari* and *begar*.

110. *Statement I :*

The United Provinces during Non-Cooperation became one of the strongest bases of the Congress.

*Statement II :*

The literary outcrop of Non-Cooperation in Bengal was quite meagre compared to the days of the Swadeshi agitation.

111. Who were *Alvars* ?
- (a) Those who immersed in devotion to Vishnu
  - (b) Devotees of Shiva
  - (c) Those who worshipped abstract form of God
  - (d) Devotees of Shakti
112. Which one of the following is monatomic ?
- (a) Hydrogen
  - (b) Sulphur
  - (c) Phosphorus
  - (d) Helium
113. In graphite, each carbon atom is bonded to three other carbon atoms
- (a) forming a three-dimensional structure
  - (b) in the same plane giving a hexagonal array
  - (c) in the same plane giving a square array
  - (d) in the same plane giving a pentagonal array
114. Soap solution used for cleaning purpose appears cloudy. This is due to the fact that soap micelles can
- (a) refract light
  - (b) scatter light
  - (c) diffract light
  - (d) polarize light
115. People prefer to wear cotton clothes in summer season. This is due to the fact that cotton clothes are
- (a) good absorbers of water
  - (b) good conveyors of heat
  - (c) good radiators of heat
  - (d) good absorbers of heat
116. Employing Chromatography, one *cannot* separate
- (a) radio-isotopes
  - (b) colours from a dye
  - (c) pigments from a natural colour
  - (d) drugs from blood
117. Consider the following statement:  
"Atomic number of an element is a more fundamental property than its atomic mass."  
Who among the following scientists has made the above statement ?
- (a) Dmitri Mendeleev
  - (b) Henry Moseley
  - (c) J.J. Thomson
  - (d) Ernest Rutherford
118. Which one of the following acids is also known as Vitamin C ?
- (a) Methanoic acid
  - (b) Ascorbic acid
  - (c) Lactic acid
  - (d) Tartaric acid
119. Which one of the following is *not* found in animal cells ?
- (a) Free ribosomes
  - (b) Mitochondria
  - (c) Nucleolus
  - (d) Cell wall
120. *Marsilea*, Fern and Horse-tail are examples of which one of the following plant groups ?
- (a) Pteridophyta
  - (b) Bryophyta
  - (c) Gymnosperms
  - (d) Angiosperms