

Time Allowed : 2 Hours

M.M. : 100

**Important Instructions :**

1. This Test Booklet contains **120** (questions). 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.
2. You have to mark all your responses **ONLY** on the separate Answer Sheet provided. See directions in the Answer Sheet.
3. **All** items carry equal marks.
4. **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** (0.33) 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.

1. Scattering of  $\alpha$ -particles by a thin gold foil suggests the presence of
  - (a) electron in an atom
  - (b) proton in an atom
  - (c) positively charged nucleus at the centre of an atom
  - (d) isotopes of gold
2. The elements of which of the following pairs are isobars?
  - (a)  ${}^1_1\text{H}$  and  ${}^3_1\text{H}$
  - (b)  ${}^1_1\text{H}$  and  ${}^2_1\text{H}$
  - (c)  ${}^{12}_6\text{C}$  and  ${}^{14}_6\text{C}$
  - (d)  ${}^{40}_{18}\text{Ar}$  and  ${}^{40}_{20}\text{Ca}$
3. Which one of the following chemical reactions is not feasible?
  - (a)  $\text{Fe} + \text{CuSO}_4 \rightarrow \text{FeSO}_4 + \text{Cu}$
  - (b)  $\text{Zn} + \text{CuSO}_4 \rightarrow \text{ZnSO}_4 + \text{Cu}$
  - (c)  $\text{Cu} + \text{PbCl}_2 \rightarrow \text{CuCl}_2 + \text{Pb}$
  - (d)  $\text{Mg} + \text{CuSO}_4 \rightarrow \text{MgSO}_4 + \text{Cu}$
4. A solution having pH equal to zero is known as
  - (a) highly alkaline solution
  - (b) highly acidic solution
  - (c) weakly acidic solution
  - (d) neutral solution
5. Which one of the following acids is produced in human stomach?
  - (a) Formic acid
  - (b) Sulphuric acid
  - (c) Nitric acid
  - (d) Hydrochloric acid
6. Match List-I with List-II and select the correct answer using the code given below the Lists :

	<b>List-I</b>	<b>List-II</b>		
	<b>(Compound)</b>	<b>(Use)</b>		
<b>A.</b>	Boric acid	1. Antiseptic		
<b>B.</b>	Citric acid	2. Food preservative		
<b>C.</b>	Magnesium hydroxide	3. Antacid		
<b>D.</b>	Acetic acid	4. Pickle		

**Code :**

	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>
<b>(a)</b>	1	2	3	4
<b>(b)</b>	1	3	2	4
<b>(c)</b>	4	3	2	1
<b>(d)</b>	4	2	3	1
7. The property of the sound waves that determines the pitch of the sound is its
  - (a) frequency
  - (b) amplitude
  - (c) wavelength
  - (d) intensity
8. Which one of the following is not a property of the X-rays?
  - (a) They are deflected by electric fields.
  - (b) They are not deflected by magnetic fields.
  - (c) They have high penetration length in matter.
  - (d) Their wavelength is much smaller than that of visible light.

9. Which one of the following is not true about the image formed by a plane mirror?
- It is of the same size as the object.
  - It is laterally inverted.
  - It is a real image.
  - It is formed as far behind the mirror as the object is in front.
10. In a periscope, the two plane mirrors are kept
- parallel to each other.
  - perpendicular to each other.
  - at an angle of  $60^\circ$  with each other.
  - at an angle of  $45^\circ$  with each other.
11. If the speed of light in air is  $3 \times 10^8$  m/s, then the speed of light in a medium of refractive index  $\frac{3}{2}$  is.
- $2 \times 10^8$  m/s
  - $\frac{9}{4} \times 10^8$  m/s
  - $\frac{3}{2} \times 10^8$  m/s
  - $3 \times 10^8$  m/s
12. Which one of the following types of radiation has the shortest wavelength?
- Radio waves
  - Visible light
  - Infrared (IR)
  - Ultraviolet (UV)
13. The unit of the force constant  $k$  of a spring is
- N·m
  - N/m
  - N·m<sup>2</sup>
  - N/m<sup>2</sup>
14. Which one of the following is **not** an epidemic disease?
- Cholera
  - Malaria
  - Smallpox
  - Elephantiasis
15. Which one of the following animals has a three-chambered heart?
- Scoliodon
  - Salamander
  - Pigeon
  - Human being
16. Which one of the following is the correct sequence of events during sexual reproduction in plants?
- Seedling, formation of embryo, pollination, fertilization, division of zygote.
  - Formation of embryo, seedling, pollination, fertilization, division of zygote.
  - Pollination, fertilization, division of zygote, formation of embryo, seedling.
  - Seedling, formation of embryo, division of zygote, pollination, fertilization.
17. When air is blown from mouth into a test tube containing limewater, the limewater turns milky. This is due to the presence of
- Water vapour
  - Oxygen
  - Carbon dioxide
  - Carbon monoxide
18. Which one of the following is the energy currency for cellular processes?
- Glucose
  - ATP
  - ADP
  - Pyruvic acid
19. Which one of the following is first enzyme to mix with food in digestive tract?
- Trypsin
  - Cellulose
  - Pepsin
  - Amylase
20. Mahatma Gandhi's Dandi March, a great event in Indian freedom struggle, was associated with
- Iron
  - Sodium chloride
  - Sulphur
  - Aluminium
21. Match List-I with List-II and select the correct answer using the code given below the Lists :
- | List-I<br>(Name)    | List-II<br>(Formula)                                   |
|---------------------|--|
| A. Bleaching powder | 1. $\text{NaHCO}_3$                                    |
| B. Baking soda      | 2. $\text{Na}_2\text{CO}_3 \cdot 10\text{H}_2\text{O}$ |
| C. Washing soda     | 3. $\text{Ca}(\text{OH})_2$                            |
| D. Slaked lime      | 4. $\text{CaOCl}_2$                                    |
- Code :
- | A     | B | C | D |
|-------|---|---|---|
| (a) 4 | 1 | 2 | 3 |
| (b) 4 | 2 | 1 | 3 |
| (c) 3 | 2 | 1 | 4 |
| (d) 3 | 1 | 2 | 4 |
22. The number of water molecules associated with copper sulphate molecule to form crystals is
- 2
  - 4
  - 5
  - 6
23. Silver articles become black after some time when exposed to air because
- Silver gets oxidized to silver oxide.
  - Silver reacts with moist carbon dioxide in the air to form silver carbonate.
  - Silver reacts with sulphur in the air to form a coating of silver sulphide.
  - Silver reacts with nitrogen oxides in the air to form silver nitrate.

24. If  $x$  is the temperature of a system in Kelvin and  $y$  is the temperature of the system in  $^{\circ}\text{C}$ , then the correct relation between them is  
 (a)  $x = 273 - y$                       (b)  $x = 273 + y$   
 (c)  $x = 173 + y$                       (d)  $x = 173 - y$
25. The resistivity  $\rho$  of a material can be expressed in units of  
 (a) ohm                                      (b) ohm/cm  
 (c) ohm.cm                                (d) ohm.cm<sup>2</sup>
26. The electromagnetic waves, which are used for satellite communication, are:  
 (a) Infrared radiations(IR)  
 (b) Ultraviolet radiations(UV)  
 (c) Radio waves  
 (d) Visible lights
27. Which one of the following is the correct sequence of organs that occur in the path of urine flow in human body?  
 (a) Kidney, ureter, urinary bladder, urethra.  
 (b) Kidney, urinary bladder, ureter, urethra.  
 (c) Kidney, ureter, urethra, urinary bladder.  
 (d) Urinary bladder, kidney, urethra, ureter.
28. Which of the following endocrine glands is not found in pair in humans?  
 (a) Adrenal                                (b) Pituitary  
 (c) Testis                                    (d) Ovary
29. Which one of the following cell organelles contains DNA?  
 (a) Golgi apparatus  
 (b) Mitochondrion  
 (c) Lysosome  
 (d) Endoplasmic reticulum
30. Who among the following scientists introduced the concept of immunization to the medical world?  
 (a) Edward Jenner                      (b) Robert Koch  
 (c) Robert Hooke                        (d) Carl Linnaeus
31. On 31<sup>st</sup> December, 1929, in which one of the following Congress Sessions was proclamation of Purna Swaraj made?  
 (a) Ahmedabad                        (b) Calcutta  
 (c) Lahore                                    (d) Lucknow
32. Which one of the following Acts reserved seats for women in Legislatures in accordance with the allocation of seats for different communities?  
 (a) The Government of India Act, 1858  
 (b) The Indian Councils Act, 1909  
 (c) The Government of India Act, 1919  
 (d) The Government of India Act, 1935
33. Which one among the following was demanded by the All India Depressed Classes Leaders' Conference at Bombay in 1931?  
 (a) Universal adult suffrage  
 (b) Separate electorates for untouchables  
 (c) Reserved seats for the minorities  
 (d) A unitary State in India
34. Who among the following was one of the founders of the Indian Society of Oriental Art?  
 (a) Rabindranath Tagore  
 (b) Abanindranath Tagore  
 (c) Dwarkanath Tagore  
 (d) Bankim Chandra Chattopadhyaya
35. Who among the following Sultans succeeded in finally breaking and destroying the power of Turkan-i-Chihalgani?  
 (a) Iltutmish  
 (b) Balban  
 (c) Alauddin Khalji  
 (d) Muhammad bin Tughluq
36. Who among the following Mongol leaders/ commanders did not cross Indus to attack India?  
 (a) Chenghiz Khan                      (b) Tair Bahadur  
 (c) Abdullah                                (d) Qutlugh Khwaja
37. In the region of eastern shore of Adriatic Sea, a cold and dry wind blowing down from the mountain is known as  
 (a) Mistral                                    (b) Bora  
 (c) Bise                                        (d) Blizzard
38. Nyishi tribe is found mainly in  
 (a) Andaman and Nicobar  
 (b) Arunachal Pradesh  
 (c) Nilgiri-Kerala  
 (d) Kashmir Valley
39. In the field of tourism, which one of the following Indian States is described as 'One State Many Worlds'?  
 (a) Assam                                    (b) West Bengal  
 (c) Karnataka                              (d) Rajasthan
40. The number of people per unit area of arable land is termed as  
 (a) agricultural density  
 (b) arithmetic density  
 (c) physiological density  
 (d) economic density

41. Which one of the following rivers joins Ganga directly?  
 (a) Chambal (b) Son  
 (c) Betwa (d) Ken
42. Which one of the following is not a type of commercial agriculture?  
 (a) Dairy farming  
 (b) Grain farming  
 (c) Livestock ranching  
 (d) Intensive subsistence agriculture
43. Which one of the following is not a land use category?  
 (a) Forestland  
 (b) Pasture land  
 (c) Marginal land  
 (d) Barren and wasteland
44. Which one of the following is not an objective of the MGNREGA?  
 (a) Providing up to 100 days of skilled labour in a financial year.  
 (b) Creation of productive assets.  
 (c) Enhancing livelihood security.  
 (d) Ensuring empowerment to women.
45. Which one of the following statements with regard to the functioning of the Panchayats is **not** correct?  
 (a) Panchayats may levy, collect and appropriate taxes, duties, tolls, etc.  
 (b) A person who has attained the age of 25 years will be eligible to be a member of a Panchayat.  
 (c) Every Panchayat shall ordinarily continue for five years from the date of its first meeting.  
 (d) A Panchayat reconstituted after premature dissolution shall continue only for the remainder of the full period.
46. Which one of the following is the earliest launched scheme of the Government of India?  
 (a) Deendayal Antyodaya Yojana  
 (b) Pradhan Mantri Gram Sadak Yojana  
 (c) Saansad Adarsh Gram Yojana  
 (d) Deendayal Upadhyaya Grameen Kaushalya Yojana
47. Which of the following statements is not correct regarding the Members of Parliament Local Area Development Scheme (MPLADS)?  
 (a) Members of the Parliament (MPs) sanction, execute and complete works under the scheme.  
 (b) Nominated Members of the Parliament can recommend works for implementation anywhere in the country.  
 (c) The scheme is fully funded by the Government of India.  
 (d) The annual entitlement per MP is ₹ 5 crore.
48. Saubhagya, a Government of India Scheme, relates to which of the following areas?  
 (a) Achieving universal household electrification  
 (b) Providing clean cooking fuel to poor households  
 (c) Rationalizing subsidies on LPG  
 (d) Stopping female foeticide
49. The 'Basel Convention' is aimed at protecting human health and environment against adverse effects of which of the following?  
 (a) Hazardous wastes  
 (b) Persistent Organic Pollutants (POPs)  
 (c) Mercury  
 (d) Chemicals and pesticides
50. Which one of the following is the biggest cause of incidence of migration of female persons in India?  
 (a) Employment (b) Education  
 (c) Marriage (d) Business
51. Which one of the following is not correct about Repo rate?  
 (a) It is the interest rate charged by the Central Bank on overnight loan.  
 (b) It is the interest rate paid by the commercial banks on overnight borrowing.  
 (c) It is the interest rate agreed upon in the loan contract between a commercial bank and the Central Bank.  
 (d) It is the cost of collateral security.
52. The Cash Reserve Ratio refers to  
 (a) the share of Net Demand and Time Liabilities that banks have to hold as liquid assets.  
 (b) the share of Net Demand and Time Liabilities that banks have to hold as balances with the RBI.  
 (c) the share of Net Demand and Time Liabilities that banks have to hold as part of their cash reserves.  
 (d) the ratio of cash holding to reserves of banks.

53. In economics, if a diagram has a line passing through the origin and has  $45^\circ$  angle with either axis and it is asserted that along the line  $X = Y$ , what is tacitly assumed?
- Both variables are pure numbers.
  - Both variables are in the same unit.
  - Both variables are in different units.
  - At least one variable is a pure number.
54. Who among the following won the Best Men's Player Award of FIFA Football Awards, 2019?
- Cristiano Ronaldo
  - Virgil van Dijk
  - Lionel Messi
  - Xavi
55. In September 2019, which one of the following travel giants declared itself bankrupt?
- Expedia
  - Cox & Kings
  - SOTC
  - Thomas Cook
56. Greta Thunberg, a teenaged environment activist who was in news recently, hails from
- Sweden
  - Germany
  - USA
  - Canada
57. Recently the Reserve Bank of India has imposed limitations, initially for a period of six months, on the withdrawal of amount by account holders of which one of the following banks?
- IndusInd Bank
  - Dhanlaxmi Bank
  - Punjab and Maharashtra Cooperative Bank
  - South Indian Bank
58. Amitabh Bachchan was recently conferred with the prestigious Dada Saheb Phalke Award. Who among the following was the first recipient of the award?
- Prithviraj Kapoor
  - Devika Rani
  - Sohrab Modi
  - Naushad
59. The famous Mughal painting, depicting Jahangir embracing the Safavid king Shah Abbas, was painted by which one of the following Mughal painters?
- Abd al-Samad
  - Abul Hasan
  - Dasavant
  - Bishandas
60. Which of the following statements about 'Mughal Mansab' system are correct?
- 'Zat' rank was an indicator of a Mansabdar's position in the imperial hierarchy and the salary of the Mansabdar.
  - 'Sawar' rank indicated the number of horsemen the Mansabdar was required to maintain.
3. In the seventeenth century, Mansabdars holding 1000 or above 'Sawar' rank were designated as nobles (Umaras).
- Select the correct answer using the code given below :
- 1 and 2 only
  - 1 and 3 only
  - 2 and 3 only
  - 1, 2 and 3
61. Which one of the following pairs is not correctly matched?
- Kuddapah-kar : Rocky wastelands
  - Nancai : Wet fields
  - Puncai : Dry fields
  - Tottakal : Garden lands
62. Which of the following rulers were identified through matronymics (names derived from that of the mother)?
- Mallas of Pava
  - Videhas of Mithila
  - Yaudheyas
  - Satavahanas
63. Which one of the following statements about the famous text of *Panchatantra* is correct?
- It is a philosophical text reflecting the debates of the time and refuting rival positions.
  - It is a text ushering in linguistics as a formal science.
  - It is a text discussing developments in various spheres of natural sciences.
  - It is a text showing through illustration what should and should not be done.
64. Geomorphic factors influencing plant and animal distributions are
- slope angle and relief only
  - slope aspect and relative relief
  - slope angle, slope aspect and relief
  - slope angle, slope aspect and relative relief
65. Which one of the following groups of cities **does not** have Sclerophyll as its natural vegetation cover?
- Valparaiso and Cape Town
  - Lisbon and Perth
  - Los Angeles and Adelaide
  - Las Vegas and Queensland
66. Which of the following are warm ocean currents?
- Kuroshio and California Current
  - North Atlantic Drift and Brazil Current
  - Canaries and Benguela Current
  - West Wind Drift and Falkland Current

67. In India, how many States/Union Territories have more than two international boundaries?  
 (a) 1 (b) 2  
 (c) 3 (d) 4
68. In the Hadley cell thermal circulation, air rises up and finally descends at  
 (a) intertropical convergence zone  
 (b) doldrums  
 (c) subtropical high-pressure cells  
 (d) equatorial troughs
69. Which one of the following soils is characterized by very high content of organic matter?  
 (a) Vertisol (b) Histosol  
 (c) Gelisol (d) Spodosol
70. Overseas Indians can exercise franchise in an election to the Lok Sabha under which of the following conditions?  
 1. They must be citizens of India.  
 2. Their names must figure in the electoral roll.  
 3. They must be present in India to vote.  
 Select the correct answer using the code given below :  
 (a) 1, 2 and 3 (b) 2 and 3 only  
 (c) 1 and 2 only (d) 1 only
71. Which one of the following is not a feature of the Ayushman Bharat Scheme?  
 (a) There is no cap on family size and age.  
 (b) The scheme includes pre- and post-hospitalization expenses.  
 (c) A defined transport allowance per hospitalization will also be paid to the beneficiary.  
 (d) The scheme provides a benefit cover of ₹ 10 lakh per family.
72. Which of the following are considered to be the four pillars of human development?  
 (a) Equity, inclusion, productivity and empowerment  
 (b) Equity, productivity, empowerment and sustainability  
 (c) Productivity, gender, inclusion and equity  
 (d) Labour, productivity, inclusion and equity
73. Which one of the following was added as a fundamental duty through the Constitution (86<sup>th</sup> Amendment) Act, 2002?  
 (a) To strive towards excellence in individual and collective activity.  
 (b) To provide opportunities for education to one's child between the age of 6 and 14 years.  
 (c) To work for the welfare of women and children.  
 (d) To promote peace and harmony.
74. Which one of the following Articles of the Constitution of India protects a person against double jeopardy?  
 (a) Article 20 (b) Article 21  
 (c) Article 22 (d) Article 23
75. Consider the following statements about Stone Age in India :  
 1. Different periods are identified on the basis of the type and technology of stone tools.  
 2. There are no regional variations in the type and technology of tools in different periods.  
 3. Stone Age cultures of different periods evolved uniformly in a neat unilinear fashion all over the subcontinent.  
 Which of the statements given above is/are correct?  
 (a) 1 only (b) 1 and 2 only  
 (c) 3 only (d) 1, 2 and 3
76. From which one of the following factory sites were limestone and chert blades mass produced and sent to various Harappan settlements in Sindh?  
 (a) Sukkur and Rohri Hills  
 (b) Khetri in Rajasthan  
 (c) Chagai Hills  
 (d) Hills of Baluchistan
77. The work Siyar-ul-Mutakherin, which describes the Battle of Plassey, 1757, was written by  
 (a) Salabat Jung  
 (b) Qasim Khan  
 (c) Ghulam Husain  
 (d) Ram Mohan Roy
78. Who believed that the Russian designs were 'an imminent peril to the security and tranquility' of the Indian Empire in 1836?  
 (a) Lord Auckland  
 (b) Lord Palmerston  
 (c) Lord Canning  
 (d) Alexander Burnes
79. The 'Tattvabodhini Sabha' established by  
 (a) Devendranath Tagore in 1839  
 (b) Keshab Chandra Sen in 1857

- (c) Akshay Kumar Datta in 1850  
(d) Dwarakanath Tagore in 1840
80. What was the code name given to the first ever tri-service military exercise between India and USA?  
(a) Lion Triumph (b) Elephant Triumph  
(c) Tiger Triumph (d) Bison Triumph
81. 'Naropa' is an annual festival of  
(a) Sikkim (b) Ladakh  
(c) Arunachal Pradesh (d) Nagaland
82. Which one of the following is India's official entry for the Best International Feature Film category in the 92<sup>nd</sup> Academy Awards?  
(a) Bulbul Can Sing  
(b) Super Deluxe  
(c) Gully Boy  
(d) And The Oscar Goes To
83. The Global Goalkeeper Award is given by  
(a) The Bill and Melinda Gates Foundation  
(b) The United Nations Environment Programme  
(c) The Kellogg School of Management  
(d) The World Meteorological Organization
84. 'Gandhi Solar Park' is located at  
(a) New York (b) Vladivostok  
(c) Thimphu (d) Houston
85. Who among the following was the first to arrive in Africa as traders that eventually led to European colonization of Africa?  
(a) French (b) Spanish  
(c) Portuguese (d) Dutch
86. The College of Military Engineering affiliated to Jawaharlal Nehru University is situated at  
(a) New Delhi (b) Dehradun  
(c) Nainital (d) Pune
87. Which of the following statements with regard to Coal India Limited (CIL) is/are true?  
1. CIL has its headquarters at Kolkata.  
2. CIL operates through 82 mining areas spread over twenty provincial States of India.  
3. CIL is the single largest coal producing company in the world.
- Select the correct answer using the code given below :
- (a) 1 only (b) 1 and 3 only  
(c) 2 and 3 only (d) 1, 2 and 3
88. Which one of the following climatic types is found in Central Spain?  
(a) Subarctic  
(b) Mediterranean dry hot summer  
(c) Subtropical Steppe  
(d) Humid continental warm summer
89. Which one of the following is not among the principal languages of Jammu and Kashmir?  
(a) Urdu (b) Gujari  
(c) Koshur (d) Monpa
90. The major part of Central Asia is dominated by which one of the following language families?  
(a) Indo-European (b) Sino-Tibetan  
(c) Austric (d) Altaic
91. Which one of the following Articles was defended by Dr. B.R. Ambedkar on the plea that it would be used as 'a matter of last resort'?  
(a) Article 352 (b) Article 359  
(c) Article 356 (d) Article 368
92. What is the ground on which the Supreme Court can refuse relief under Article 32?  
(a) The aggrieved person can get remedy from another court.  
(b) That disputed facts have to be investigated.  
(c) That no fundamental right has been infringed.  
(d) That the petitioner has not asked for the proper writ applicable to his/her case.
93. The Ministry of Heavy Industries and Public Enterprises consists of  
(a) The Department of Heavy Industry and the Department for Promotion of Industry and Internal Trade  
(b) The Department of Public Enterprises and the Department for Promotion of Industry and Internal Trade  
(c) The Department of Scientific and Industrial Research and the Department of Heavy Industry  
(d) The Department of Heavy Industry and the Department of Public Enterprises
94. The First Delimitation Commission in India was constituted in  
(a) 1949 (b) 1950  
(c) 1951 (d) 1952
95. Who among the following stated in the Constituent Assembly that on 26<sup>th</sup> January, 1950, India was going to enter a life of contradictions?  
(a) Dr. B.R. Ambedkar  
(b) Jawaharlal Nehru

- (c) Mahatma Gandhi  
(d) S.P. Mukherjee
96. The power of the Supreme Court to decide in the case of a dispute between two or more States is called  
(a) Original jurisdiction  
(b) Inherent jurisdiction  
(c) Plenary jurisdiction  
(d) Advisory jurisdiction
97. Who among the following is the Chairman of the Economic Advisory Council to the Prime Minister (EAC-PM)?  
(a) Ratan P. Watal      (b) Bibek Debroy  
(c) Ashima Goyal      (d) Sajjid Chinoy
98. Hilsa is the national fish of  
(a) Pakistan      (b) India  
(c) Bangladesh      (d) Nepal
99. The Vijaynagar Advanced Landing Ground of the Indian Air Force, which was reopened recently, is located in  
(a) Jammu and Kashmir  
(b) Arunachal Pradesh  
(c) Karnataka  
(d) Himachal Pradesh
100. Rustom-2, which crashed in Karnataka recently, was a/an  
(a) Fighter aircraft  
(b) Helicopter  
(c) Transport aircraft  
(d) Unmanned aerial vehicle
101. The maiden trilateral naval exercise involving India, Singapore and Thailand was held at  
(a) Port Blair      (b) Chennai  
(c) Panaji      (d) Kochi
102. The creation of a Federal Court in India was advocated by which of the following Acts/Commissions?  
(a) The Government of India Act, 1919  
(b) The Lee Commission, 1923  
(c) The Government of India Act, 1935  
(d) The Indian Councils Act, 1909
103. Who founded the 'Seva Samiti' at Allahabad in 1914?  
(a) Hridayanath Kunzru  
(b) G. K. Gokhale  
(c) Shri Ram Bajpai  
(d) T. B. Sapru
104. The State of Hyderabad in the Deccan officially acceded to the Indian Union in the year  
(a) 1948      (b) 1950  
(c) 1949      (d) 1947
105. The Hunter Commission (1882) appointed to survey the state of education in India  
(a) Deprecated University education  
(b) Overruled the Despatch of 1854  
(c) Endorsed the Despatch of 1854 with greater emphasis on primary education  
(d) Criticized the grants-in-aid system of schooling
106. The power to legislate on all matters relating to elections to Panchayats lies with  
(a) The Parliament of India  
(b) The State Legislatures  
(c) The State Election Commission  
(d) The Election Commission of India
107. The 11<sup>th</sup> Schedule of the Constitution of India distributes powers between  
(a) The Union and the State Legislatures  
(b) The State Legislatures and the Panchayat  
(c) The Municipal Corporation and the Panchayat  
(d) The Gram Sabha and the Panchayat
108. The provisions of the Constitution of India pertaining to the institution of Panchayat do not apply to which one of the following States?  
(a) Meghalaya      (b) Tripura  
(c) Assam      (d) Goa
109. Which one of the following rivers does not drain into Black Sea?  
(a) Volga      (b) Dnieper  
(c) Don      (d) Danube
110. The National Water Academy (NWA) is located at  
(a) Dehradun      (b) Hyderabad  
(c) Bhopal      (d) Khadakwasla
111. Which one of the following is the correct sequence of formation of the Commissions starting from the earliest?  
(a) Finance Commission, Planning Commission, Investment Commission, Election Commission  
(b) Election Commission, Planning Commission, Finance Commission, Investment Commission



- (c) Planning Commission, Election Commission, Finance Commission, Investment Commission
- (d) Investment Commission, Finance Commission, Planning Commission, Election Commission
112. The formulation of policy in respect to Intellectual Property Rights (IPRs) is the responsibility of
- (a) The Ministry of Law and Justice
- (b) The Department of Science and Technology
- (c) The Department for Promotion of Industry and Internal Trade
- (d) The Ministry of Human Resource Development
113. Which one of the following is the latest addition to the AYUSH group of health care system?
- (a) Unani (b) Siddha
- (c) Sowa-Rigpa (d) Reiki
114. Which one of the following is the nodal agency in India for the United Nations Environment Programme?
- (a) The Ministry of Environment, Forest and Climate Change
- (b) The Ministry of Science and Technology
- (c) The Ministry of Earth Sciences
- (d) The Ministry of Home Affairs
115. According to the Census 2011, in India, what is the percentage of people (approximately) considered to be migrants (internal), i.e., now settled in a place different from their previous residence?
- (a) 25% (b) 35%
- (c) 45% (d) 55%
116. Suppose an agricultural labourer earns ₹400 per day in her village. She gets a job to work as babysitter in a nearby town @ ₹ 700 per day. She chose to work as agricultural labourer. Which one of the following is the opportunity cost of the agricultural labourer?
- (a) ₹1,100 (b) ₹700
- (c) ₹400 (d) ₹300
117. Match List-I with List-II and select the correct answer using the code given below the Lists :
- | List-I<br>(Market structure) | List-II<br>(Characteristic)                                 |
|------------------------------|---|
| A. Perfect competition       | 1. Only one producer selling one commodity                  |
| B. Monopoly                  | 2. Few producers selling similar or almost similar products |
| C. Monopolistic competition  | 3. Many producers selling differentiated products           |
| D. Oligopoly                 | 4. Many producers selling similar products                  |
- Code :
- | A     | B | C | D |
|-------|---|---|---|
| (a) 4 | 3 | 1 | 2 |
| (b) 4 | 1 | 3 | 2 |
| (c) 2 | 1 | 3 | 4 |
| (d) 2 | 3 | 1 | 4 |
118. Which one of the following was the host country for World Tourism Day, 2019?
- (a) USA (b) India
- (c) Russia (d) Canada
119. BRICS Summit, 2020 will be hosted by
- (a) India (b) China
- (c) Russia (d) Brazil
120. The Government of India has recently constituted a civilian award in the name of Sardar Vallabhbhai Patel in the field of contribution to
- (a) unity and integrity of India
- (b) art and culture
- (c) social work
- (d) entrepreneurship



## Answers

Q No	Answer Key	Topic Name	Chapter Name
1	(c)	Rutherford Scattering Experiment	Structure of Atom
2	(d)	Isotopes	Structure of Atom
3	(c)	Reactivity of Metals	Metal and Non Metal
4	(b)	Calculation of pH	Acid, Base and Salt
5	(d)	Acid in Every Day Life	Acid, Base and Salt
6	(a)	Uses of Compounds	Acid, Base and Salt
7	(a)	Properties of Sound	Sound
8	(b)	Properties of X Ray	Structure of Atom
9	(c)	Plane Mirror	Ray Optics
10	(d)	Optical instruments	Ray Optics
11	(a)	Refractive index	Ray Optics
12	(d)	EM Spectra	EMW
13	(b)	Units	Units and Dimensions
14	(d)	Epidemics	Human Diseases
15	(b)	Heart	Circulation
16	(c)	Pollination	Sexual Reproduction in Flowering Plants
17	(c)	Chemical Properties of Compounds	Acid Base and Salt
18	(b)	Adenosine Triphosphate	Biomolecules
19	(d)	Digestion	Digestion
20	(b)	Uses of Compounds	Acid Base and Salt
21	(a)	Chemical Formula of Compounds	Acid Base and Salt
22	(c)	Chemical Formula of Compounds	Acid Base and Salt
23	(c)	Corrosion of Metals	Metal and Non Metal
24	(b)	Units	Units and Dimensions
25	(c)	Resistivity	Current Electricity
26	(c)	Properties of EMW	EMW
27	(a)	Excretory System	Excretory System
28	(b)	Endocrine Glands	Chemical Control and Coordination in Body
29	(b)	Mitochondria, Chloroplast	Cell
30	(a)	Immunization	Human Diseases
31	(c)	Congress Sessions	Congress Session
32	(d)	Acts of India	Acts of India
33	(b)	Depressed Class	All-India Depressed Classes
34	(b)	Static	Indian Society of Oriental Art
35	(b)	Medieval History	Balban
36	(a)	Medieval History	Chenghiz Khan
37	(b)	Types of Winds	Local Winds
38	(b)	Tribes	Tribes of India

Q No	Answer Key	Topic Name	Chapter Name
39	(c)	Static GK	Tourism
40	(c)	Physiological Density	Population
41	(b)	Son River	Rivers
42	(d)	Farming	Types of Agriculture
43	(c)	Land Use	Land Use Categories
44	(a)	Government Schemes	MGNREGA
45	(b)	Panchayats	Panchayati Raj System
46	(b)	Government Schemes	Pradhan Mantri Gram Sadak Yojana
47	(a)	Government Schemes	MPLADS
48	(a)	Government Schemes	Saubhagya scheme
49	(a)	Static GK	Basel Convention
50	(c)	Current Affairs	Reports
51	(c)	Functions of Commercial Bank	Money and Banking
52	(b)	Credit Control Policy of Central Bank	Money and Banking
53	(b)	Theory of Supply	Producer Behaviour
54	(c)	Awards	Current Affairs
55	(d)	Current Affairs	Famous Personalities
56	(a)	Current Affairs	Personalities
57	(c)	Current Affairs	PMC Bank
58	(b)	Static GK	Awards
59	(b)	Paintings	Mughal Paintings
60	(a)	Ranking System	Mansabdar
61	(a)	Static GK	Places and Features
62	(d)	Satavahana Dynasty	Satavahana Dynasty
63	(d)	Stories	Panchatantra
64	(d)	Geomorphic Factors for Plants and Animals	Geomorphic Factors
65	(d)	Sclerophyll	Types of Vegetations
66	(b)	Warm Ocean Currents	Ocean Currents
67	(d)	Static GK	international Boundaries
68	(c)	Hadley cell	Atmospheric Circulation
69	(b)	Soil Taxonomy	Different Types of Soils
70	(a)	NRI Electors	Elections
71	(d)	Government Schemes	Ayushman Bharat Scheme
72	(b)	Four Pillars of Human Development	Human Development
73	(b)	Polity	Amendments
74	(a)	Polity	Articles
75	(a)	Ancient History	Stone Age
76	(a)	Settlements	Harrapan Civilization
77	(c)	Siyar-ul-Mutakhkherin	Books and Authors
78	(b)	Lord Palmerston	Modern History

Q No	Answer Key	Topic Name	Chapter Name
79	(a)	Modern History	Social Reforms
80	(a)	Lion Triumph	Military Exercise
81	(b)	Naropa Festival	Festivals
82	(c)	Current Affairs	Oscars
83	(a)	Global Goalkeeper Award	Awards
84	(a)	Gandhi Solar Park	Current Affairs
85	(c)	Modern History	Portuguese
86	(d)	Static GK	College
87	(b)	Coal India Ltd	Static GK
88	(b)	Type of Climate in Central Spain	Types of Climate
89	(d)	Monpa Language	Languages
90	(d)	Altaic Language Family	Languages
91	(c)	Articles	Indian Constitution
92	(c)	Articles	Power of Supreme Court.
93	(d)	Ministries	Static GK
94	(d)	Delimitation Commission	Commissions
95	(a)	Constituent Assembly	Ambedkar
96	(a)	Jurisdiction	Types of Jurisdiction
97	(b)	Council	Current Affairs
98	(c)	National Symbols	Static GK
99	(b)	Air Force	Current Affairs
100	(d)	Rustom-2 UAV	Current Affairs
101	(a)	Naval Exercise	Military Exercise
102	(c)	Acts of India	Modern History
103	(a)	Modern History	Organizations
104	(a)	States	Formations of States
105	(c)	Modern History	Hunter Commission
106	(b)	Election to Panchayats	Panchayat
107	(b)	Schedules	Polity
108	(a)	Panchayats	Panchayati Raj System
109	(a)	Black Sea	Rivers
110	(d)	National Water Academy	Static GK
111	(b)	Various Commissions	Commissions
112	(c)	Role and Function of DPIIT	DPIIT
113	(c)	Ayush	Current Affairs
114	(a)	Static GK	Ministry
115	(b)	Report on Census 2011	Census
118	(b)	Current Affairs	Important Days
119	(c)	Current Affairs	Brics
120	(a)	Current Affairs	Awards