

Model Test Paper 32
General Study Paper I

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TEST BOOKLET
GENERAL STUDIES
Paper-I

A

Time Allowed : Two Hours

Maximum Marks : 200

INSTRUCTIONS

1. IMMEDIATELY AFTER THE COMMENCEMENT OF THE EXAMINATION YOU SHOULD CHECK THAT THE 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 place 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 **100** items (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.
5. You have to mark all your responses *ONLY* on the separate Answer Sheet provided.
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.

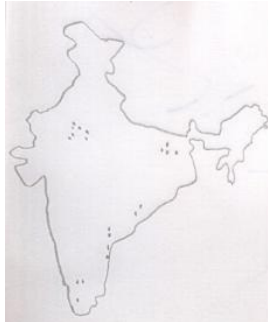
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<p>1. According to Arthashastra of Kautilya, the army consisted of</p> <p>(a) Kshatriyas (b) Kshatriyas and Sudras (c) Kshatriyas, Vaisyas and Sudras (d) Kshatriyas, Vaisyas, Sudras and Brahamans</p> <p>2. Konakamana was a</p> <p>(a) Architect of Buddha period (b) Former Buddha (c) Jain preacher (d) General under Ashoka</p> <p>3. Sunyavada was propounded by</p> <p>(a) Nagarjuna (b) Nagasena (c) Ashwaghosh (d) Ananda</p> <p>4. Mattamayuras were a group of</p> <p>(a) Saivas (b) Bhagwatas (c) Wandering monks (d) Vajrayana Buddhists</p> <p>5. Who among the following has his disciples as Ashta-chaap</p> <p>(a) Nam Dev (b) Maulak Das (c) Vallabhacharya (d) Chaitanya</p> <p>6. Dahsala system was introduced by</p> <p>(a) Akbar (b) Jahangir (c) Shah Jahan (d) Aurangzeb</p>	<p>7. Arrange the following in chronological order</p> <p>1. Nehru report 2. Lucknow pact 3. Fourteen points 4. Delhi proposals</p> <p>(a) 2, 4, 3, 1 (b) 2, 4, 1, 3 (c) 4, 3, 2, 1 (d) 4, 1, 2, 3</p> <p>8. The leader who contacted Mahatma Gandhi in connection with the peasant unrest in Bihar at the Lucknow congress in 1916 was</p> <p>(a) Raj Kumar Shukla (b) Rajendra Prasad (c) Anugraha Narayan Sinha (d) Brajkishore Prasad</p> <p>9. Brahma Samaj was later developed into a spiritual fraternity by</p> <p>(a) Debendranath Tagore (b) Keshab Chandra Sen (c) M. G. Ranade (d) Bhandarkar</p> <p>10. Which of the following are correctly matched?</p> <p>1. Munda - Birsa 2. Bhumji - Ganganarayan 3. Santhal - Joria 4. Ho - Sidhu</p> <p>(a) 1 and 2 (b) 2 and 3 (c) 3 and 4 (d) 1 and 4</p>
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11. The following map shows the mineral distribution of



- (a) Gypsum
- (b) Limestone
- (c) Magnesite
- (d) Mica

12. Which of the following animals were on the Ashoka Pillars?

- (a) Cow, bull, Lion
- (b) Lion, bull, boar
- (c) Lion, bull, horse
- (d) Elephant, bull, horse, lion

13. When Congress decided to ask for swatantra for all including princely states, its session was held at

- (a) Lahore
- (b) Lucknow
- (c) Haripura
- (d) Tripura

14. Who founded the Indian Home League Society of America

- (a) Annie Besant
- (b) Lala Hardayal
- (c) Lala Lajpat Rai
- (d) Bal Gangadhar Tilak

15. Match the following

A. Tatva Bodhini Sabha - 1. Raja Ram Mohan Roy
B. Indian Mirror - 2. G. K. Gokhale

C. Indian Social Reformer - 3. Keshab Chandra Sen
D. Servants of India Society - 4. Debendranath Tagore

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

16. Which of the following States have a legislative council?

- 1. Uttar Pradesh
- 2. Andhra Pradesh
- 3. Tamil Nadu
- 4. Gujarat
- 5. Jammu and Kashmir

- (a) 1, 2 and 4
- (b) 1, 3 and 5
- (c) 1, 2 and 5
- (d) 1, 2, 3, 4 and 5

17. Which of the following statements are correct about the Planning Commission?

- 1. The Planning Commission is an extra Constitutional body
- 2. The Planning Commission reports to the Indian Parliament

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

18. Which of the following statements are correct about a Money Bill?

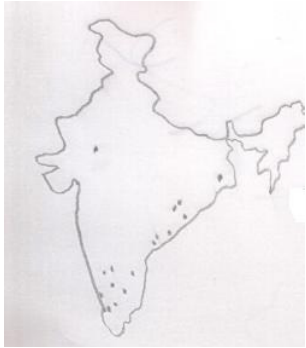
- 1. A money bill can not be presented in Parliament without the recommendation of the President of India
- 2. A money bill can be presented only in Lok Sabha
- 3. Speaker's certificate is required for a bill to be money bill
- 4. The Speaker's certificate on a Money Bill can be challenged in Lok Sabha
- 5. A Money Bill can be referred to a Joint Committee of the Houses

- (a) 1 and 2
- (b) 2 and 3 and 5
- (c) 1, 2 and 3
- (d) 1, 2, 3, 4 and 5


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<p>19. Which of the following statements are correct about the forming of Gram-Panchayat?</p> <ol style="list-style-type: none">1. The minimum population of the village has to be 10002. There are five members of the Gram Panchayat <p>(a) 1 only (b) 2 only (c) Both 1 and 2 (d) Neither 1 nor 2</p> <p>20. Which of the following Constitutional amendments require to be ratified by Legislatures of not less than one-half of the States?</p> <ol style="list-style-type: none">1. The election of the President2. Distribution of legislative powers between the Union and States3. Admission or establishment of new States4. Creation or abolition of Legislative Councils in the States5. The very procedure for amendment as laid down in article 368 of the Constitution <p>(a) 1 and 2 (b) 1, 2 and 3 (c) 1, 2 and 5 (d) 1, 2, 4 and 5</p> <p>21. The following map shows the mineral distribution of</p>  <p>(a) Diamond (b) Asbestos (c) Graphite (d) Barytes</p>	<p>22. Which one of the following nutrient elements is involved in osmotic regulation and maintenance of turgor pressure in plant cell?</p> <p>(a) Nitrogen (b) Phosphorus (c) Potassium (d) Sulphur</p> <p>23. Arrange the following states in the decreasing order of their production of Soyabeans</p> <ol style="list-style-type: none">1. Rajasthan2. Maharashtra3. Madhya Pradesh4. Uttar Pradesh <p>(a) 3, 2, 1, 4 (b) 4, 2, 1, 3 (c) 3, 1, 2, 4 (d) 4, 1, 2, 3</p> <p>24. Which one of the following system acts as a plant's first defence against pests and diseases?</p> <p>(a) Collenchyma (b) Ground tissue (c) Epidermis (d) Sclerenchyma</p> <p>25. A chromosomal segment of highly densed genetic material that is devoid of active genes is</p> <p>(a) Centromere (b) Nucleosone (c) Euchromatin (d) Heterochromatin</p> <p>26. Which of the following statements are correct?</p> <ol style="list-style-type: none">1. Cell sap is relatively denser than the surrounded cytoplasm2. Centrioles are not found in plant cells <p>(a) 1 only (b) 2 only (c) Both 1 and 2 (d) Neither 1 nor 2</p>
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<p>27. Match the following Crops with their Fruit types</p> <p>A. Wheat - 1. Pod B. Pea - 2. Silique C. Mustard - 3. Berry D. Tomato - 4. Caryopsis</p> <p>(a) A-4, B-1, C-2, D-3 (b) A-2, B-3, C-4, D-1 (c) A-r, B-3, C-2, D-1 (d) A-2, B-1, C-4, D-3</p> <p>28. Which one of the following traditional system of grape vineyards is not practiced in India?</p> <p>(a) Bower (b) Kniffen (c) Telephone (d) Flat roof of Gable</p> <p>29. Which one of the following causes disease called "Little Leaf" of brinjal?</p> <p>(a) Nematode (b) Mycoplasma (c) Virus (d) Bacteria</p> <p>30. Citronella is used for</p> <p>(a) flavouring the cosmetics and soap (b) recovery of health (c) curing respiratory troubles (d) checking bleeding</p> <p>31. The following map shows the mineral distribution of</p> 	<p>(a) Asbestos (b) Sillimanite (c) Magnesite (d) Barytes</p> <p>32. Heavy application of potassium fertilizers often lead to reduced absorption of</p> <p>(a) Calcium (b) Phosphorus (c) Magnesium (d) Zinc</p> <p>33. Which of the following statements are correct about the Phytohormones?</p> <p>1. Plant hormones (also known as phytohormones) are chemicals that regulate plant growth 2. Phyto hormones are essential nutrients 3. There are five major classes of Phyto hormones</p> <p>(a) 1 only (b) 1 and 2 (c) 1 and 3 (d) 1, 2 and 3</p> <p>34. Which one of the following nutrients is a constituent of cell wall in the plants?</p> <p>(a) Nitrogen (b) Phosphorus (c) Sulphur (d) Calcium</p> <p>35. Which of the following statement is not correct about Jute cultivation in India?</p> <p>(a) Jute cultivation needs hot and wet climate and fertile loamy land (b) Temperature of 24° to 35° Celsius and 90 to 150 centimeters of rainfall is suitable for jute cultivation (c) More than half of the jute production of India takes place only in West Bengal (d) India ranks first in the production of jute in the world</p>
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<p>36. Match the following Insect Pests with the Host Plants</p> <p>A. Yellow stem borer - 1. Sugarcane B. Top borer - 2. Rice C. Cotton jassids - 3. Cabbage D. Diamond back moth - 4. Okra</p> <p>(a) A-1, B-2, C-3, D-4 (b) A-1, B-2, C-4, D-3 (c) A-2, B-1, C-4, D-3 (d) A-2, B-1, C=3, D-4</p> <p>37. Which of the following statements are correct about the IR8?</p> <p>1. IR8 is a semi-dwarf rice variety 2. It is a high yielding rice variety 3. It was instrumental in green revolution in India 4. It was developed by Indian Agricultural Research Institute</p> <p>(a) 1 and 2 (b) 1, 2 and 3 (c) 1, 2 and 4 (d) 1, 2, 3 and 4</p> <p>38. "Sindhu" hybrid mango" has been developed by back crossing</p> <p>(a) Alphanso x Neelum (b) Dashehari x Ratna (c) Ratna x Alphanso (d) Dashehari x Alphanso</p> <p>39. Which of the following statements are correct?</p> <p>1. India ranks second in the world in terms of gross fertilizer consumption 2. India has the largest area in the world under pulse cultivation 3. In India agriculture contributes about 33 percent of Gross Domestic Product</p> <p>(a) 1 and 2 (b) 2 only (c) 1 and 3 (d) 3 only</p>	<p>40. Which of the following statements are correct?</p> <p>1. India is the largest producer of rice in the world 2. India is the first country in the world to have developed hybrid cotton 3. India's share in the world trade in spice is around 30 per cent</p> <p>(a) 1 and 2 (b) 2 only (c) 2 and 3 (d) 3 only</p> <p>41. Which of the following is the correct sequence of the religious places from north to south?</p> <p>(a) Thanjavur, Kanchipuram, Rameswaram, Tirupati (b) Kanchipuram, Tirupati, Thanjavur, Rameswaram (c) Tirupati, Kanchipuram, Thanjavur, Rameswaram (d) Tirupati, Thanjavur, Kanchipuram, Rameswaram</p> <p>42. Which of the following reasons are correct for the rivers of west coast not forming a delta?</p> <p>1. They pass through rift valleys 2. They contain very few amount of Silt 3. Their fast speed prevent them from making delta</p> <p>(a) 1 only (b) 2 only (c) 1 and 2 (d) 1, 2 and 3</p> <p>43. Which of the following statements are correct?</p> <p>1. The Consumer Protection Act, 1986 applies to all goods but not to any services 2. The Consumer Protection Act, 1986 provides for establishing a four-tier consumer redressal machinery at the national, state, district and block level</p> <p>(a) 1 only (b) 2 only (c) Both 1 and 2 (d) Neither 1 nor 2</p>
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<p>44. Which of the following statements are correct about the Hemkund Sahib?</p> <p>1. Hemkund Sahib (also spelled Hemkunt) is a Sikh place of worship Gurudwara in Uttarakhand 2. It is devoted to Guru Nanak</p> <p>(a) 1 only (b) 2 only (c) Both 1 and 2 (d) Neither 1 nor 2</p> <p>45. Which of the following statements are correct about the Nutrition Programme for Adolescent Girls (NPAG)?</p> <p>1. It is administered by the Ministry of Health and Family affairs 2. Under this scheme, 6 Kg of food-grains are given to under nourished adolescent girls, pregnant women and lactating mothers 3. The target group is Adolescent girls 13 to 19 years</p> <p>(a) 1 only (b) 2 only (c) 2 and 3 (d) 1, 2 and 3</p> <p>46. Which among the following has the primary function of distributing the revenue between the Centre and the States?</p> <p>(a) Planning Commission (b) Finance Commission (c) Inter-State Council (d) Parliament of India</p> <p>47. Which of the following statements are correct?</p> <p>1. In India every State has its own High Court 2. The Judges of the High Court are appointed by the Governor of the State</p> <p>(a) 1 only (b) 2 only (c) Both 1 and 2 (d) Neither 1 nor 2</p>	<p>48. Allocation of Business in Government of India is done by</p> <p>(a) Cabinet Secretariat (b) Prime Minister's Office (c) Lok Sabha Secretariat (d) Ministry of Parliamentary Affairs</p> <p>49. Match the following Power Plants with their States</p> <p>A. Chandrapur - 1. Andhra Pradesh B. Kundah - 2. Maharashtra C. Lower Sileru - 3. Orissa D. Talcher - 4. Tamil Nadu</p> <p>(a) A-2, B-1, C-4, D-3 (b) A-2, B-4, C-1, D-3 (c) A-3, B-1, C-4, D-2 (d) A-3, B-4, C-1, D-2</p> <p>50. In the bioaccumulation of DDT in the aquatic food chain of Plankton -> Clams -> Fish -> Fish-eating birds, which group of organisms exhibits highest concentration of DDT (in their bodies)?</p> <p>(a) Planktons (b) Clams (c) Fish (d) Fish-eating birds</p> <p>51. Who among the following were associated with the foundation of the Indian Association?</p> <p>1. Surendranath Banerjea 2. Anandmohan Bose 3. A.O. Hume 4. Surya Sen</p> <p>(a) 1 and 2 (b) 1 and 3 (c) 2 and 4 (d) 1, 2 and 4</p>
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<p>52. The distinct golden colour in transgenic golden rice is due to the presence of</p> <p>(a) Riboflavin (b) Beta-carotene (c) Vitamin B12 (d) Xanthophyll</p> <p>53. The Indian Institute of Crop Processing Technology is under the Union Ministry of</p> <p>(a) Agriculture (b) Food Processing Industries (c) Science and Technology (d) Micro, Small and Medium Enterprises</p> <p>54. Which one of the following is not a Central Public Sector Enterprise?</p> <p>(a) IOC (b) Hindalco Industries (c) NTPC (d) SAIL</p> <p>55. Which of the following are the components of the foreign capital?</p> <p>1. Grants and loans 2. External commercial borrowings 3. Foreign direct investment 4. Deposits from non-residents</p> <p>(a) 1, 2, 3 and 4 (b) 1, 2 and 4 (c) 1 and 2 (d) 3 and 4</p> <p>56. Public goods are characterised by</p> <p>1. Collective consumption 2. Divisibility 3. Non-exclusion 4. Rival-consumption</p> <p>(a) 1 and 2 (b) 1 and 3 (c) 1 and 4 (d) 2 and 4</p>	<p>57. Market failure occurs because of</p> <p>1. Externality 2. Asymmetric information 3. Perfect competition</p> <p>(a) 1, 2 and 3 (b) 1 only (c) 1 and 2 (d) 2 and 3</p> <p>58. In National income accounting, which one of the following is the difference between gross aggregates and net aggregates?</p> <p>(a) The value of net indirect taxes (b) The value of consumption of fixed capital (c) The value of intermediate consumption (d) The value of final consumption expenditure</p> <p>59. Which of the following statements relating to gross investment in the National income accounts are correct</p> <p>1. It includes the items relating to residential and non-residential construction 2. It takes care of spending on producer's durable goods 3. It includes changes in business inventories</p> <p>(a) 1 and 2 (b) 2 and 3 (c) 1 and 3 (d) 1, 2 and 3</p> <p>60. Which one of the following is the difference between value at market prices and value at factor cost for a National income aggregate?</p> <p>(a) Value of consumption of fixed capital (b) Value of indirect taxes net of subsidies (c) Value of net factor income earned abroad (d) Value of subsidies net of indirect taxes</p>
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<p>61. Consider the following map of western region. Which of the following thermal power plant is shown in the map?</p>  <p>(a) Barmer (b) Baran (c) Kota (d) Gandhinagar</p> <p>62. Which one of the following situation occurs during the period when borrowers and lenders expect inflation?</p> <p>(a) The nominal rate of interest exceeds the real rate of interest (b) The real rate of interest exceeds the nominal rate of interest (c) The nominal rate of interest equals the real rate of interest (d) Nominal and real rates of interest become zero</p> <p>63. Which one of the following is a capital receipt in government budget?</p> <p>(a) Interest receipts on loans given by the Government to other parties (b) Dividends and profits from public sector undertakings (c) Borrowing of the government from public (d) Property tax receipts</p> <p>64. Which of the following statements are correct about the Progressive tax?</p> <p>1. Marginal tax rate should be increasing 2. Marginal tax rates should be more than the average tax rate 3. The incidence of tax is same on all the people</p> <p>(a) 1 only</p>	<p>(b) 2 only (c) 1 and 2 (d) 1, 2 and 3</p> <p>65. In competitive markets, incidence of tax</p> <p>1. is shared by buyers and sellers 2. on buyers increases if elasticity of supply increases 3. is fully borne by buyers if elasticity of demand is zero 4. is independent of elasticities</p> <p>(a) 1 and 2 (b) 1, 2 and 3 (c) 3 and 4 (d) 2 and 4</p> <p>66. Which one of the following taxes/cess is levied by States in India?</p> <p>(a) Tax on motor vehicles (b) Tax on hotels (c) Educational cess (d) Tax on wealth</p> <p>67. The currency notes in circulation as well as the proportion of the total money held in the form of currency are influenced by which of the following?</p> <p>1. The physical volume of trade and transactions 2. The level of prices in the economy 3. The development of banks and banking habits of the people</p> <p>(a) 1 only (b) 2 only (c) 1, 2 and 3 (d) 1 and 3 only</p> <p>68. Capital Deepening refers to which one of the following?</p> <p>(a) Going for more fixed capital (b) Emphasis on social overhead capital (c) A constant capital-output ratio (d) An increasing capital-output ratio</p>
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<p>69. Disguised underemployment refers to the situation when</p> <p>(a) people seem occupied on a full time basis even though the services they render require less than full time</p> <p>(b) workers are underpaid despite doing full time job</p> <p>(c) there is a co-existence of unemployment and inflation</p> <p>(d) the economy experiences unemployment equilibrium</p> <p>70. Which of the following statements are correct about Physical Quality of Life Index (PQLI)?</p> <p>1. Countries with high per capita income do have high Physical Quality of Life Index (PQLI) 2. Countries with high PQLI need not necessarily have high per capita income</p> <p>(a) 1 only (b) 2 only (c) Both 1 and 2 (d) Neither 1 nor 2</p> <p>71. Match the following</p> <p>A. M. G. Ranade - 1. Girls school at Pune B. Jyotiba Phule - 2. The Indian National and Social Conference C. Pandita Ramabai - 3. Arya Mahila Conference D. D. K. Karve - 4. Widows home at Pune</p> <p>(a) A-2, B-3, C-1, D-4 (b) A-2, B-1, C-3, D-4 (c) A-4, B-2, C-3, D-1 (d) A-3, B-1, C-4, D-2</p> <p>72. Which one of the following statements regarding Aam Admi Bima Yojana (AABY) is not correct?</p> <p>(a) It was launched in the year 2007</p> <p>(b) The contribution of the Central government and the State governments in the premium is in the ratio of 75:25</p> <p>(c) The scheme is applicable to rural landless households</p> <p>(d) It provides insurance against natural death as well as accidental death</p>	<p>73. Which of the following items under manufacturing goods sector has the highest share in India's exports?</p> <p>(a) Gems and Jewellery (b) Engineering goods (c) Chemical and related products (d) Handicrafts</p> <p>74. Which of the following are the limitations of National income estimation in India?</p> <p>1. Output of non-monetized sector 2. Non-availability of data about income of small producers or household enterprises 3. Unreported legal income 4. Inflation</p> <p>(a) 1, 2, 3 and 4 (b) 1, 2 and 3 (c) 2 and 3 (d) 1 and 4</p> <p>75. Which one of the following is the targeted rate of growth of agriculture in India during the 12th Five Year Plan</p> <p>(a) 3 percent (b) 4 percent (c) 4.5 percent (d) 5 percent</p> <p>76. The Chairperson of the National Authority for Chemical Weapons Convention (NACWC) is</p> <p>(a) Prime Minister (b) Minister of Science and Technology (c) The National Security Advisor (d) The Cabinet Secretary</p>
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<p>77. Which of the following sessions of the Lok Sabha are correctly matched?</p> <ol style="list-style-type: none">1. Budget session: February to May2. Monsoon session: July to October3. Winter session: November to December <p>(a) 1 only (b) 2 only (c) 1 and 2 (d) 1 and 3</p> <p>78. Which of the following statements are correct regarding the recent change in the procedure of the Lok Sabha?</p> <ol style="list-style-type: none">1. The earlier concept of minimum 10 days and maximum 21 days to answer a question by the Minister has been done away with2. Now a 12 days notice is given to the Minister to answer a question3. The maximum questions, starred or unstarred, a member is now entitled to give is 10 per day <p>(a) 1 only (b) 2 only (c) 1 and 2 (d) 1 and 3</p> <p>79. Which of the following statements are correct about the legislation on a subject in the State list?</p> <ol style="list-style-type: none">1. Article 249 provides for the Parliament to make laws with respect to a subject in the State list2. The resolution to such effect has to be initiated in the Lok Sabha <p>(a) 1 only (b) 2 only (c) Both 1 and 2 (d) Neither 1 nor 2</p> <p>80. Which of the following statements are correct about the Question Hour in Rajya Sabha?</p> <ol style="list-style-type: none">1. The Question Hour starts at 10:00 A.M.2. It concludes at 12:00 noon3. The Question Hour can be extended beyond 12:00 noon if the time has been taken by other matters like oath taking by members or obituary references <p>(a) 1 only (b) 2 only</p>	<p>(c) 1 and 2 (d) 1, 2 and 3</p> <p>81. The following map shows the major producing area of?</p>  <p>(a) Cotton (b) Tea (c) Rubber (d) Tobacco</p> <p>82. Which of the following statements are correct about the Indian Parliamentary Group?</p> <ol style="list-style-type: none">1. The Indian Parliamentary Group is a group of current or former members of the Indian Parliament2. It is a link between the Indian Parliament and its foreign counterparts3. It works under the Ministry of Parliamentary affairs <p>(a) 1 and 2 (b) 1 and 3 (c) 2 and 3 (d) 1, 2 and 3</p> <p>83. Which of the following statements are correct about the Comptroller and Auditor General (CAG) of India?</p> <ol style="list-style-type: none">1. The CAG is appointed by the Prime Minister of India2. His term of office is 6 years or 65 years of age3. The CAG has the power to audit all receipts and expenditure of the Government of India4. The CAG can be removed in the same manner as a Judge of the Supreme Court <p>(a) 1 and 2 (b) 1, 2 and 3 (c) 2, 3 and 4 (d) 1, 2, 3 and 4</p>
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<p>84. Which of the following statements are correct about the removal of the member of the Union Public Service Commission?</p> <p>1. He can be removed by the President of India 2. The procedure of removal of a member of UPSC is same as that of a Judge of a Supreme Court</p> <p>(a) 1 only (b) 2 only (c) Both 1 and 2 (d) Neither 1 nor 2</p> <p>85. Which of the following statements are correct about the Right against exploitation?</p> <p>1. The Right against exploitation is covered by Article 23 and 24 2. It provides for two provisions, namely the abolition of trafficking in human beings and Begar (forced labour), and abolition of employment of children below the age of 14 years in dangerous jobs like factories, mines, etc 3. Compulsory military conscription is exempted from the provision of Right against exploitation</p> <p>(a) 1 only (b) 2 only (c) 1 and 2 (d) 1, 2 and 3</p> <p>86. Which one of the following is not radioactive?</p> <p>(a) Astatine (b) Francium (c) Tritium (d) Zirconium</p> <p>87. When light waves pass from air to glass, the variables affected are</p> <p>(a) wavelength, frequency and velocity (b) velocity and frequency (c) wavelength and frequency (d) wavelength and velocity</p> <p>88. When a CD (compact disc used in audio and video systems) is seen in sunlight, rainbow like colours are seen. This can be explained on the basis of the phenomenon of</p>	<p>(a) reflection and diffraction (b) reflection and transmission (c) diffraction and transmission (d) refraction, diffraction and transmission</p> <p>89. When the same note is played on a sitar and a flute, the sound produced can be distinguished from each other because of the difference in</p> <p>(a) pitch, loudness and quality (b) pitch and loudness (c) quality only (d) loudness only</p> <p>90. Given below are two statements, one labelled as Assertion (A) and other labelled as Reason (R)</p> <p>Assertion (A): A diamond sparkles more than a glass imitation cut to the same shape Reason (R): The refractive index of diamond is less than that of glass In context of the above two statements, which one of the following is correct?</p> <p>(a) Both A and R are true and R is the correct explanation of A (b) Both A and R are true and R is not a correct explanation of A (c) A is true but R is false (d) A is false but R is true</p> <p>91. Optical fibre works on the principle of</p> <p>(a) total internal reflection (b) refraction (c) scattering (d) interference</p> <p>92. When water is heated from 0°C to 10°C its volume</p> <p>(a) increases (b) decreases (c) does not change (d) first decreases then increases</p>
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<p>93. The cellular and molecular control of programmed cell death is known as</p> <p>(a) Apoptosis (b) Ageing (c) Degeneration (d) Necrosis</p> <p>94. Match the following institutes with their locations</p> <p>A. Central Institute of Medicinal and Aromatic Plants - 1. Chandigarh B. Centre for DNA finger printing and diagnostics - 2. Hyderabad C. Institute of Microbial technology - 3. New Delhi D. National Institute of Immunology - 4. Lucknow</p> <p>(a) A-2, B-4, C-1, D-3 (b) A-4, B-2, C-1, D-3 (c) A-2, B-4, C-3, D-1 (d) A-4, B-2, C-3, D-1</p> <p>95. Match the following bones with their names</p> <p>A. Breast-bone - 1. Clavicle B. Collar-bone - 2. Patella C. Knee-cap - 3. Scapula D. Shoulder-blade - 4. Sternum</p> <p>(a) A-4, B-1, C-3, D-2 (b) A-1, B-4, C-1, D-3 (c) A-1, B-4, C-2, D-3 (d) A-4, B-1, C-2, D-3</p> <p>96. Which of the following statements are correct?</p> <p>1. Tapeworm is a hermaphrodite 2. Round-worm has separate sexes generally and reproduce sexually 3. Filaria is caused by a nematode 4. Guinea-worm is an annelid</p> <p>(a) 1 and 2 (b) 1, 2 and 3 (c) 3 and 4 (d) 1, 2, 3 and 4</p> <p>97. Match the following characteristics with their particles</p>	<p>A. Zero mass - 1. Positron B. Fractional change - 2. Neutrino C. Fractional spin - 3. Quark D. Integral spin - 4. Phonon</p> <p>(a) A-2, B-3, C-1, D-4 (b) A-3, B-2, C-4, D-1 (c) A-2, B-3, C-4, D-1 (d) A-3, B-2, C-1, D-4</p> <p>98. Which organelle in the cell, other than nucleus, contains DNA</p> <p>(a) Centriole (b) Golgi apparatus (c) Lysosome (d) Mitochondrion</p> <p>99. Which of the following statements regarding the earthquakes are correct?</p> <p>1. The intensity of earthquake is measured on Mercalli Scale 2. The magnitude of an earthquake is a measure of energy released 3. Earthquake magnitudes are based on direct measurements of the amplitude of seismic waves 4. In the Richter Scale, each whole number demonstrates a hundredfold increase in the amount of energy released</p> <p>(a) 1, 2 and 3 (b) 2, 3 and 4 (c) 1 and 4 (d) 1 and 3</p> <p>100. Match the following achievements in genetics with the Scientists</p> <p>A. Discovery of transduction and conjugation in bacteria - 1. Khurana B. Establishing the sex-linked inheritance - 2. Kornberg C. Isolation of DNA polymerase from E. Coli - 3. Lederberg D. Establishing the complete genetic code - 4. Morgan ----- 5. Ochoa</p> <p>(a) A-4, B-3, C-2, D-1 (b) A-3, B-4, C-1, D-5 (c) A-4, B-3, C-1, D-5 (d) A-3, B-4, C-2, D-1</p>
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Answer Sheet

	A	B	C	D		A	B	C	D		A	B	C	D		A	B	C	D		A	B	C	D				
1	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		21	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		41	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		61	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		81	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		22	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		42	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		62	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		82	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
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