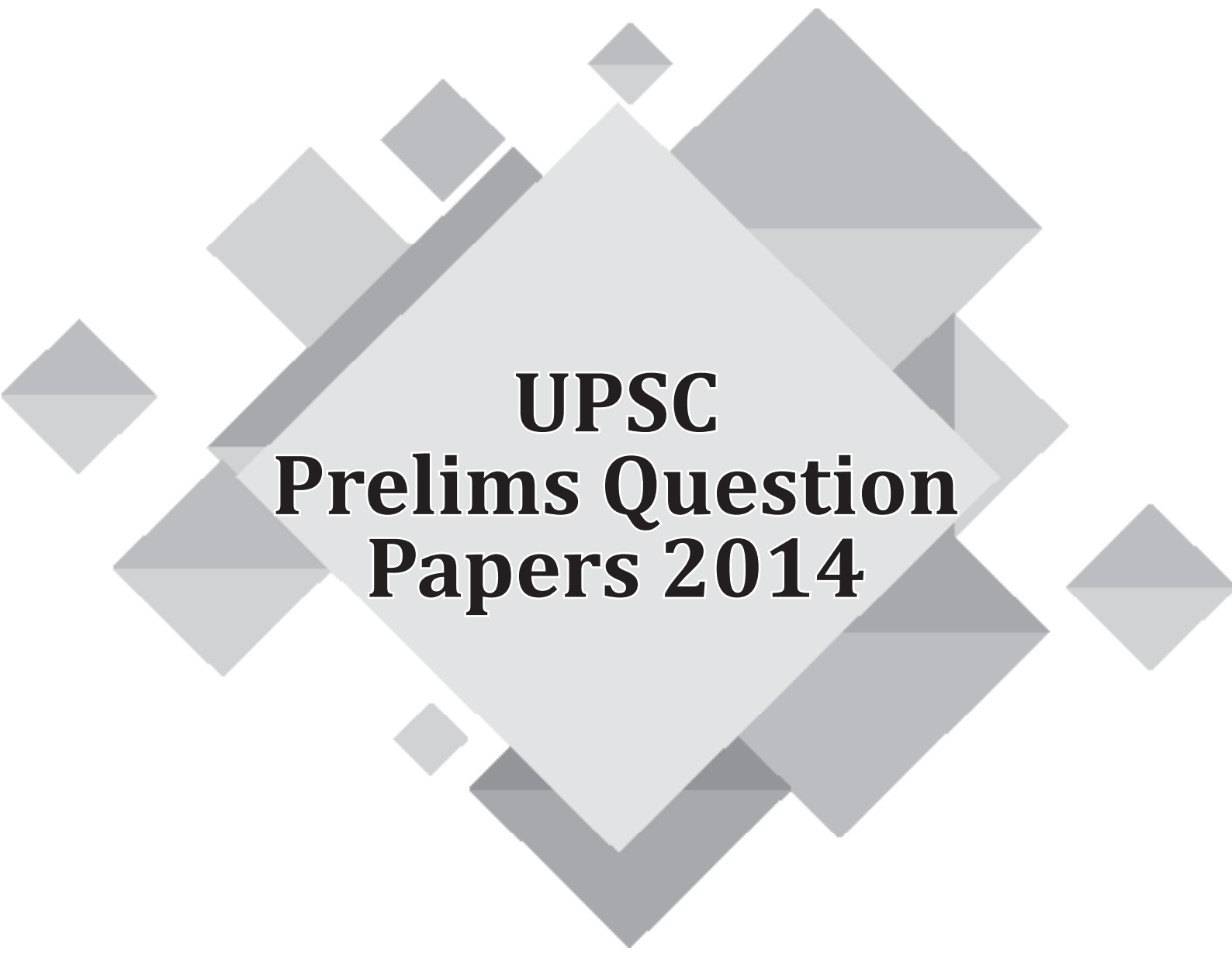


**UPSC, CSE  
(Prelims)**

**UPSC CSE (P)  
Question Papers  
(2014)**



# **UPSC Prelims Question Papers 2014**

1

# General Studies Paper-I

1. **The Partition of Bengal made by Lord Curzon in 1905 lasted until**
  - (a) The First World War when Indian troops were needed by the British and the partition was ended
  - (b) King George V abrogated Curzon's Act at the Royal Durbar in Delhi in 1911
  - (c) Gandhiji launched his Civil Disobedience Movement
  - (d) the Partition of India in 1947 when East Bengal became East Pakistan
2. **The 1929 Session of Indian National Congress is of significance in the history of the Freedom Movement because the**
  - (a) attainment of Self-Government was declared as the objective of the Congress
  - (b) attainment of Poorna Swaraj was adopted as the goal of the Congress
  - (c) Non-Cooperation Movement was launched
  - (d) decision to participate in the Round Table Conference in London was taken
3. **With reference to the famous Sattriya dance, consider the following statements:**
  - (1) Sattriya is a combination of music, dance and drama.
  - (2) It is a centuries-old living tradition of Vaishnavites of Assam.
  - (3) It is based on classical Ragas and Talas of devotional songs composed by Tulsidas, Kabir and Mirabai.

**Which of the statements given above is/are correct?**

  - (a) 1 only
  - (b) 1 and 2 only
  - (c) 2 and 3 only
  - (d) 1, 2, and 3
4. **Chaitra 1 of the national calendar based on the Saka Era corresponds to which one of the following dates of the Gregorian calendar in a normal year of 365 days?**
  - (a) 22nd March (or 21st March)
  - (b) 15th May (or 16th May)
  - (c) 31st March (or 30th March)
  - (d) 21st April (or 20th April)
5. **With reference to the Indian history of art and culture, consider the following pairs:**

Famous work of sculpture	:	Site
(1) A grand image of Buddha's Mahaparinirvana with numerous celestial musicians above and the sorrowful figures of his followers below	:	Ajanta
(2) A huge image of Varaha Avatar (boar incarnation) of Vishnu, as he rescues Goddess Earth from the deep and Chaotic waters, sculpted on rock	:	Mount Abu
(3) "Arjuna's Penance" "Descent of Ganga" sculpted on the surface of huge boulders	:	Mamallapuram

**Which of the pairs given above is/are correctly matched?**

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

**6. The Ghadar (Ghadar) was a**

- (a) revolutionary association of Indians with headquarters at San Francisco  
(b) nationalist organization operating from Singapore  
(c) militant organization with headquarters at Berlin  
(d) communist movement for India's freedom with headquarters at Tashkent

**7. With reference to India's culture and tradition, what is 'Kalaripayattu'?**

- (a) It is an ancient Bhakti cult of Shavisim still prevalent in some parts of South India  
(b) It is an ancient style bronze and brasswork still found in southern part of Coromandel area  
(c) It is an ancient form of dance-drama and a living tradition in the northern part of Malabar  
(d) It is an ancient martial art and a living tradition in some parts of South India

**8. Consider the following pairs:**

- (1) Garba : Gujarat  
(2) Mohiniattam : Odisha  
(3) Yakshagana : Karnataka

**Which of the pairs given above is/are correctly matched?**

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

**9. With reference to Buddhist history, tradition and culture in India, consider the following pairs:**

- | Famous shrine                         | Location         |
|---------------------------------------|------------------|
| (1) Tabo monastery and temple complex | : Spiti Valley   |
| (2) Lhotsava Lhakhang temple, Nako    | : Zanskar Valley |
| (3) Alchi temple complex              | : Ladakh         |

**Which of the pairs given above is/are correctly matched?**

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

**10. Consider the following statements:**

- (1) 'Bijak' is a composition of the teachings of Saint Dadu Dayal.  
(2) The Philosophy of Pushti Marg was propounded by Madhvacharya.

**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

**11. A community of people called Manganiyars is well-known for their**

- (a) martial arts in North-East India      (b) musical tradition in North-West India  
(c) classical vocal music in South India      (d) pietra dura tradition in Central India

**12. What was/were the object/objects of Queen Victoria's Proclamation (1858)?**

- (1) To disclaim any intention to annex Indian States.  
(2) To place the Indian administration under the British Crown.

(3) To regulate East India Company's trade with India

**Select the correct answer using the code given below.**

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

**13. Ibadat Khana at Fatehpur Sikri was**

- (a) the mosque for the use of Royal Family
- (b) Akbar's private prayer chamber
- (c) the hall in which Akbar held discussions with scholars of various religions
- (d) the room in which the nobles belonging to different religions gathered to discuss religious affairs

**14. In the context of food and nutritional security of India, enhancing the 'Seed Replacement Rates' of various crops helps in achieving the food production targets of the future. But what is/are the constraint/constraints in its wider/greater implementation?**

- (1) There is no National Seeds Policy in place.
- (2) There is no participation of private sector seed companies in the supply of quality seeds of vegetables and planting materials of horticultural crops.
- (3) There is a demand-supply gap regarding quality seeds in case of low value and high volume crops.

**Select the correct answer using the code given below.**

(a) 1 and 2 only (b) 3 only (c) 2 and 3 only (d) None

**15. With reference to 'Eco-Sensitive Zones', which of the following statements is/are correct?**

- (1) Eco-Sensitive Zones are the areas that are declared under the Wildlife (Protection) Act, 1972.
- (2) The purpose of the declaration of Eco-Sensitive Zones is to prohibit all kinds of human activities in those zones except agriculture

**Select the correct answer using the codes given below?**

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

**16. Consider the following statements:**

- (1) Animal Welfare Board of India is established under the Environment (Protection) Act, 1986.
- (2) National Tiger Conservation Authority is a statutory body.
- (3) National Ganga River Basin Authority is chaired by the Prime Minister.

**Which of the statements given above is/are correct?**

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

**17. Consider the following pairs:**

- |               |   |                    |
|---------------|---|--------------------|
| Vitamin       |   | Deficiency disease |
| (1) Vitamin C | : | Scurvy             |
| (2) Vitamin D | : | Rickets            |
| (3) Vitamin E | : | Night blindness    |

**Which of the above pairs is/are correctly matched?**

- (a) 1 and 2 only    (b) 3 only    (c) 1, 2 and 3    (d) None

**18. There is some concern regarding the nanoparticles of some chemical elements that are used by the industry in the manufacture of various products. Why?**

- (1) They can accumulate in the environment, and contaminate water and soil.  
(2) They can enter the food chains.  
(3) They can trigger the production of free radicals.

**Select the correct answer using the code given below:**

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

**19. Which of the following organizations brings out the publication known as 'World Economic Outlook'?**

- (a) The International Monetary Fund  
(b) The United Nations Development Programme  
(c) The World Economic Forum  
(d) The world Bank

**20. With reference to Union Budget, which of the following is/are covered under Non-Plan Expenditure?**

- (1) Defence expenditure    (2) Interest payments  
(3) Salaries and pensions    (4) Subsidies

**Select the correct answer using the code given below:**

- (a) 1 only    (b) 2 and 3 only    (c) 1, 2, 3 and 4    (d) None

**21. Which of the following have coral reefs?**

- (1) Andaman and Nicobar Islands    (2) Gulf of Kachchh  
(3) Gulf of Mannar    (4) Sunderbans

**Select the correct answer using the code given below.**

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

**22. In India, the problem of soil erosion is associated with which of the following?**

- (1) Terrace cultivation    (2) Deforestation  
(3) Tropical climate

**Select the correct answer using the code given below.**

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

**23. The seasonal reversal of winds is the typical characteristic of**

- (a) Equatorial climate    (b) Mediterranean climate  
(c) Monsoon climate    (d) All of the above climates

**24. With reference to the cultural history of India, the term 'Panchayatan' refers to**

- (a) an assembly of village elders    (b) a religious sect  
(c) a style of temple construction    (d) an administrative functionary

25. Consider the following rivers:  
 (1) Barak (2) Lohit (3) Subansiri  
**Which of the above flows/flow through Arunachal Pradesh?**  
 (a) 1 only (b) 2 and 3 only (c) 1 and 3 only (d) 1, 2 and 3
26. Consider the following pairs:  

Wetlands		Confluence of rivers
(1) Harike Wetlands	:	Confluence of Beas and Satluj/Sutlej
(2) Keoladeo Ghana National Park	:	Confluence of Banas and Chambal
(3) Kolleru Lake	:	Confluence of Musi and Krishma

**Which of the above pairs is/are correctly matched?**  
 (a) 1 only (b) 2 and 3 only (c) 1 and 3 only (d) 1, 2 and 3
27. Which one of the following pairs does not form part of the six systems of Indian Philosophy?  
 (a) Mimamsa and Vedanta (b) Nyaya and Vaisheshika  
 (c) Lokayata and Kapalika (d) Sankhya and Yoga
28. Consider the following pairs:  

Hills		Region
(1) Cardamom Hills	:	Coromandel Coast
(2) Kaimur Hills	:	Konkan Coast
(3) Mahadeo Hills	:	Central India
(4) Mikir Hills	:	North-East India

**Which of the above pairs are correctly matched?**  
 (a) 1 and 2 (b) 2 and 3 (c) 3 and 4 (d) 2 and 4
29. Which one of the following Schedules of the Constitution of India contains provisions regarding anti-defection?  
 (a) Second Schedule (b) Fifth Schedule  
 (c) Eighth Schedule (d) Tenth Schedule
30. The most important strategy for the conservation of biodiversity together with traditional human life is the establishment of  
 (a) biosphere reserves (b) botanical gardens  
 (c) national parks (d) wildlife sanctuaries
31. Turkey is located between  
 (a) Black Sea and Caspian Sea (b) Black Sea and Mediterranean Sea  
 (c) Gulf of Suez and Mediterranean Sea (d) Gulf of Aquaba and Dead Sea
32. What is the correct sequence of occurrence of the following cities in South-East Asia as one proceeds from south to north?  
 (1) Bangkok (2) Hanoi (3) Jakarta (4) Singapore

Select the correct answer using the code given below.

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

33. **The scientific view is that the increase in global temperature should not exceed 2°C above pre-industrial level. If the global temperature increases beyond 3°C above the pre-industrial level, what can be its possible impact/impacts on the world?**

- (1) Terrestrial biosphere tends towards a net carbon source.  
(2) Widespread coral mortality will occur.  
(3) All the global wetlands will permanently disappear.  
(4) Cultivation of cereals will not be possible anywhere in the world.

Select the correct answer using the code given below.

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

34. **The national motto of India, 'Satyameva Jayate' inscribed below the Emblem of India is taken from**

- (a) Katha Upanishad            (b) Chandogy Upanishad  
(c) Aitareya Upanishad            (d) Mundaka Upanishad

35. **In the Constitution of India, promotion of international peace and security is included in the**

- (a) Preamble to the Constitution            (b) Directive Principles of State Policy  
(c) Fundamental Duties            (d) Ninth Schedule

36. **What are the benefits of implementing the 'Integrated Watershed Development Programme'?**

- (1) Prevention of soil runoff  
(2) Linking the country's perennial rivers with seasonal rivers  
(3) Rainwater harvesting and recharge of groundwater table  
(4) Regeneration of natural vegetation

Select the correct answer using the code given below.

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

37. **Which of the following are associated with 'Planning' in India?**

- (1) The Finance Commission  
(2) The National Development Council  
(3) The Union Ministry of Rural Development  
(4) The Union Ministry of Urban Development  
(5) The Parliament

Select the correct answer using the code given below.

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

38. **Which of the following is/are the function/functions of the Cabinet Secretariat?**

- (1) Preparation of agenda for Cabinet Meetings  
(2) Secretarial assistance to Cabinet Committees



(3) Allocation of financial resources to the Ministries

**Select the correct answer using the code given below.**

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

**39. Consider the following statements:**

**A Constitutional Government is one which**

- (1) places effective restrictions on individual liberty in the interest of State Authority
- (2) places effective restrictions on the Authority of the State in the interest of individual liberty

**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

**40. Which of the following are the discretionary powers given to the Governor of a States?**

- (1) Sending a report to the President of India for imposing the President's rule
- (2) Appointing the Ministers
- (3) Reserving certain bills passed by the State Legislature for consideration of the President of India
- (4) Making the rules to conduct the business of the State Government

**Select the correct answer using the code given below.**

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

**41. In medieval India, the designations 'Mahattara' and 'Pattakila' were used for**

- (a) military officers                      (b) village headmen
- (c) specialists in Vedic rituals                      (d) chiefs of craft guilds

**42. Lichens, which are capable of initiating ecological succession even on a bare rock, are actually a symbiotic association of**

- (a) algae and bacteria                      (b) algae and fungi
- (c) bacteria and fungi                      (d) fungi and mosses

**43. If you travel through the Himalayas, you are likely to see which of the following plants naturally growing there?**

- (1) Oak                      (2) Rhododendron                      (3) Sandalwood

**Select the correct answer using the code given below.**

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

**44. Which of the following are some important pollutants released by steel industry in India?**

- (1) Oxides of sulphur                      (2) Oxides of nitrogen
- (3) Carbon monoxide                      (4) Carbon dioxide

**Select the correct answer using the code given below.**

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

**45. Which of the following Kingdoms were associated with the life of the Buddha?**

- (1) Avanti                      (2) Gandhara                      (3) Kosala                      (4) Magadha

Select the correct answer using the codes given below.

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

46. Every year, a monthlong ecologically important campaign/festival is held during which certain communities/tribes plant saplings of fruit-bearing trees. Which of the following are such communities/tribes?

- (a) Bhutia and Lepcha      (b) Gond and Korku  
(c) Irula and Toda      (d) Sahariya and Agariya

47. The sales tax you pay while purchasing a toothpaste is a

- (a) tax imposed by the Central Government  
(b) tax imposed by the Central Government but collected by the State Government  
(c) tax imposed by the State Government but collected by the Central Government  
(d) tax imposed and collected by the State Government

48. What does venture capital mean?

- (a) A short-term capital provided to industries  
(b) A long-term start-up capital provided to new entrepreneurs  
(c) Funds provided to industries at times of incurring losses  
(d) Funds provided for replacement and renovation of industries

49. The main objective of the 12th Five-Year Plan is

- (a) inclusive growth and poverty reduction  
(b) inclusive and sustainable growth  
(c) sustainable and inclusive growth to reduce unemployment  
(d) faster, sustainable and more inclusive growth

50. With reference to Balance of Payments, which of the following constitutes/constitute the Current Account?

- (1) Balance of trade      (2) Foreign assets  
(3) Balance of invisibles      (4) Special Drawing Rights

Select the correct answer using the code given below.

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

51. The terms 'Marginal Standing Facility Rate' and 'Net Demand and 'Time Liabilities', sometimes appearing in news, are used in relation to

- (a) banking operations  
(b) communication networking  
(c) military strategies  
(d) supply and demand of agricultural products

52. What is/are the facility/facilities the beneficiaries can get from the services of Business Correspondent (Bank Saathi) in branchless areas?

- (1) It enables the beneficiaries to draw their subsidies and social security benefits in their villages.

(2) It enables the beneficiaries in the rural areas to make deposits and withdrawals

**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

**53. In the context of Indian economy, which of the following is/are the purpose/purposes of 'Statutory Reserve requirements'?**

(1) To enable the Central Bank to control the amount of advances the banks can create

(2) To make the people's deposits with banks safe and liquid

(3) To prevent the commercial banks from making excessive profits

(4) To force the banks to have sufficient vault cash to meet their day-to-day requirements

**Select the correct answer using the codes given below.**

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

**54. Recently, a series of uprisings of people referred to a 'Arab Spring' originally started from**

(a) Egypt                      (b) Lebanon                      (c) Syria                      (d) Tunisia

**55. Consider the following countries:**

(1) Denmark

(2) Japan

(3) Russian Federation

(4) United Kingdom

(5) United States of America

**Which of the above are the members of the 'Arctic Council'?**

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

**56. Consider the following pairs:**

Region often in news                      Country

(1) Chechnya                      :                      Russian Federation

(2) Darfur                      :                      Mali

(3) Swat Valley                      :                      Iraq

**Which of the above pairs is/are correctly matched?**

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

**57. With reference to Agni-IV Missile, which of the following statements is/are correct?**

(1) It is a surface -to-surface missile.

(2) It is fuelled by liquid propellant only.

(3) It can deliver one-tonne nuclear warheads about 7500 km away.

**Select the correct answer using the code given below.**

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

**58. With reference to two non-conventional energy sources called 'coalbed methane' and 'shale gas'. consider the following statements:**

(1) Coalbed methane is the pure methane gas extracted from coal seams, while shale gas is a mixture of propane and butane only that can be extracted from fine-grained sedimentary rocks.

- (2) In India, abundant coalbed methane sources exist, but so far no shale gas sources have been found.

**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

**59. With reference to 'Changpa' community of India, consider the following statements.**

- (1) They live mainly in the State of Uttarakhand.  
(2) They rear the Pashmina goats that yield a fine wool.  
(3) They are kept in the category of Scheduled Tribes.

**Which of the statements given above is/are correct?**

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

**60. In India, cluster bean (Guar) is traditionally used as a vegetable or animal feed, but recently the cultivation of this has assumed significance. Which one of the following statements is correct in this context?**

- (a) The oil extracted from seeds is used in the manufacture of biodegradable plastics  
(b) The gum made from its seeds is used in the extraction of shale gas  
(c) The leaf extract of this plant has the properties of antihistamines  
(d) It is a source of high quality biodiesel

**61. If the interest rate is decreased in an economy, it will**

- (a) decrease the consumption expenditure in the economy  
(b) increase the tax collection of the Government  
(c) increase the investment expenditure in the economy  
(d) increase the total savings in the economy

**62. Consider the following statements:**

- (1) The President shall make rules for the more convenient transaction of the business of the Government of India, and for the allocation among Ministers of the said business.  
(2) All executive actions of the Government of India shall be expressed to be taken in the name of the Prime Minister.

**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

**63. Consider the following statements regarding a No-Confidence Motion in India:**

- (1) There is no mention of a No-Confidence Motion in the Constitution of India.  
(2) A Motion of No-Confidence can be introduced in the Lok Sabha only.

**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

**64. With reference to Neem tree, consider the following statements:**

- (1) Neem oil can be used as a pesticide to control the proliferation of some species of insects and mites.  
(2) Neem seeds are used in the manufacture of biofuels and hospital detergents.

(3) Neem oil has applications in pharmaceutical industry.

**Which of the statement given above is/are correct?**

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

**65. Which one of the following is the process involved in photosynthesis?**

- (a) Potential energy is released to form free energy
- (b) Free energy is converted into potential energy and stored
- (c) Food is oxidized to release carbon dioxide and water
- (d) Oxygen is taken, and carbon dioxide and water vapour are given out

**66. In addition to fingerprint scanning, which of the following can be used in the biometric identification of a person?**

(1) Iris scanning (2) Retinal scanning (3) Voice recognition

**Select the correct answer using the code given below.**

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

**67. Which of the following statements is/are correct regarding vegetative propagation of plants?**

- (1) Vegetative propagation produces clonal population
- (2) Vegetative propagation helps in eliminating the virus
- (3) Vegetative propagation can be practiced most of the year

**Select the correct answer using the code given below.**

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

**68. Which of the following pairs is/are correctly matched?**

Spacecraft	Purpose
------------	---------

- (1) Cassini-Huygens : Orbiting the Venus and transmitting data to the Earth
- (2) Messenger : Mapping and investigating the Mercury
- (3) Voyager 1 and 2 : Exploring the outer solar system

**Select the correct answer using the code given below.**

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

**69. Consider the following pairs:**

Region	Well-known for the the production of
--------	--------------------------------------

- (1) Kinnaur : Areca nut
- (2) Mewat : Mango
- (3) Coromandel : Soya bean

**Which of the above pairs is/are correctly matched?**

(a) 1 and 2 only (b) 3 only (c) 1, 2 and 3 (d) None

**70. Which of the following is/are the example/examples of chemical change?**

- (1) Crystallization of sodium chloride
- (2) Melting of ice
- (3) Souring of milk

Select the correct answer using the code given below.

- (a) 1 and 2 only    (b) 3 only    (c) 1, 2 and 3    (d) None

71. **The power of the Supreme Court of India to decide disputes between the Centre and the States falls under its**

- (a) advisory jurisdiction    (b) appellate jurisdiction  
(c) original jurisdiction    (d) writ jurisdiction

72. **Consider the following technique/phenomena:**

- (1) Budding and grafting in fruit plants    (2) Cytoplasmic male sterility  
(3) Gene silencing

**Which of the above is/are used to create transgenic crops?**

- (a) 1 only    (b) 2 and 3    (c) 1 and 3    (d) None

73. **Consider the following statements:**

- (1) Maize can be used for the production of starch.  
(2) Oil extracted from maize can be a feedstock for biodiesel  
(3) Alcoholic beverages can be produced by using maize.

**Which of the statements given above is/are correct?**

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

74. **Among the following organisms, which one does not belong to the class of other three?**

- (a) Crab    (b) Mite    (c) Scorpion    (d) Spider

75. **The power to increase the number of judges in the Supreme Court of India is vested in**

- (a) the President of India    (b) the Parliament  
(c) the Chief Justice of India    (d) the Law Commission

76. **Consider the following towns of India:**

- (1) Bhadrachalam    (2) Chandernagore    (3) Kanchipuram    (4) Karnal

**Which of the above are famous for the production of traditional sarees/fabric?**

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

77. **Consider the following pairs:**

National Highway    Cities connected

- (1) NH 4    :    Chennai and Hyderabad  
(2) NH 6    :    Mumbai and Kolkata  
(3) NH 15    :    Ahmedabad and Jodhpur

**Which of the above pairs is/are correctly matched?**

- (a) 1 and 2 only    (b) 3 only    (c) 1, 2 and 3 only    (d) None

78. **Consider the following international agreements:**

- (1) The International Treaty on Plant Genetic Resources for Food and Agriculture  
(2) The United Nations Convention to Combat Desertification  
(3) The World Heritage Convention

**Which of the above has/have a bearing on the biodiversity?**

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

**79. Consider the following statements regarding 'Earth Hour':**

- (1) It is an initiative of UNEP and UNESCO.
- (2) It is a movement in which the participants switch off the lights for one hour on a certain day every year.
- (3) It is a movement to raise the awareness about the climate change and the need to save the planet.

**Which of the statements given above is/are correct?**

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

**80. Which one of the following is the correct sequence of a food chain?**

- (a) Diatoms - Crustaceans - Herrings    (b) Crustaceans - Diatoms - Herrings  
(c) Diatoms - Herrings - Crustaceans    (d) Crustaceans - Herrings - Diatoms

**81. What are the significances of a practical approach to sugarcane production known as 'Sustainable Sugarcane Initiative'?**

- (1) Seed cost is very low in this compared to the conventional method of cultivation.
- (2) Drip irrigation can be practiced very effectively in this.
- (3) There is no application of chemical/inorganic fertilizers at all in this.
- (4) The scope for intercropping is more in this compared to the conventional method of cultivation.

**Select the correct answer using the code given below.**

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

**82. If a wetland of international importance is brought under the 'Montreux Record', what does it imply?**

- (a) Changes in ecological character have occurred, are occurring or are likely to occur in the wetland as a result of human interference
- (b) The country in which the wetland is located should enact a law to prohibit any human activity within five kilometers from the edge of the wetland
- (c) The survival of the wetland depends on the cultural practices and traditions of certain communities living in its vicinity and therefore the cultural diversity therein should not be destroyed
- (d) It is given the status of 'World Heritage Site'

**83. Which one of the following pairs of islands is separated from each other by the 'Ten Degree Channel'?**

- (a) Andaman and Nicobar    (b) Nicobar and Sumatra  
(c) Maldives and Lakshadweep    (d) Sumatra and Java

84. Consider the following pairs:

Programme/ Project	Ministry
(1) Drought-Prone Area Programme	: Ministry of Agriculture
(2) Desert Development Programme	: Ministry of Environment and Forests
(3) National Watershed Development Project for Rainfed Areas	: Ministry of Rural Development

Which of the above pairs is/are correctly matched?

- (a) 1 and 2 only    (b) 3 only    (c) 1, 2 and 3    (d) None

85. With reference to Bombay Natural History Society (BNHS), consider the following statements:

- (1) It is autonomous organization under the Ministry of Environment and Forests.
- (2) It strives to conserve nature through action-based research, education and public awareness.
- (3) It organizes and conducts nature trails and camps for the general public.

Which of the statements given above is/are correct?

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

86. With reference to 'Global Environment Facility' which of the following statements is/are correct?

- (a) It serves as financial mechanism for 'Convention on Biological Diversity' and 'United Nations Framework Convention on Climate Change'
- (b) It undertakes scientific research on environmental issues at global level
- (c) It is an agency under OECD to facilitate the transfer of technology and funds to underdeveloped countries with specific aim to protect their environment
- (d) Both (a) and (b)

87. With reference to technologies for solar power production, consider the following statements:

- (1) 'Photovoltaics' is a technology that generates electricity by direct conversion of light into electricity, while 'Solar Thermal' is a technology that utilizes the Sun's rays to generate heat which is further used in electricity generation process.
- (2) Photovoltaics generates Alternating Current (AC), while Solar Thermal generates Direct Current (DC).
- (3) India has manufacturing base for Solar Thermal technology, but not for Photovoltaics.

Which of the statements given above is/are correct?

- (a) 1 only    (b) 2 and 3 only    (c) 1, 2 and 3    (d) None

88. Consider the following languages:

- (1) Gujarati    (2) Kannada    (3) Telugu

Which of the above has/have been declared as 'Classical Language/Languages' by the Government?

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



89. Consider the following pairs:

- (1) Dampa Tiger Reserve : Mizoram  
(2) Gumti Wildlife Sanctuary : Sikkim  
(3) Saramati Peak : Nagaland

Which of the above pairs is/are correctly matched?

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

90. With reference to a conservation organization called 'Wetlands International', which of the following statements is/are correct?

- (1) It is an intergovernmental organization formed by the countries which are signatories to Ramsar Convention.  
(2) It works at the field level to develop and mobilize knowledge, and use the practical experience to advocate for better policies.

Select the correct answer using the codes given below.

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

91. With reference to a grouping of countries known as BRICS, consider the following statements:

- (1) The First Summit of BRICS was held in Rio de Janeiro in 2009.  
(2) South Africa was the last to join the BRICS grouping.

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

92. Consider the following diseases:

- (1) Diphtheria (2) Chickenpox (3) Smallpox

Which of the above diseases has/have been eradicated in India?

- (a) 1 and 2 only (b) 3 only (c) 1, 2 and 3 (d) None

94. Which of the following phenomena might have influenced the evolution of organisms?

- (1) Continental drift (2) Glacial cycles

Select the correct answer using the codes given below.

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

94. Other than poaching, what are the possible reasons for the decline in the population of Gangas River Dolphins?

- (1) Construction of dams and barrages on rivers.  
(2) Increase in the population of crocodiles in rivers.  
(3) Getting trapped in fishing nets accidentally  
(4) Use of synthetic fertilizers and other agricultural chemicals in crop-fields in the vicinity of rivers

Select the correct answer using the codes given below.

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

95. **The Radcliffe Committee was appointed to**
- (a) solve the problem of minorities in India
  - (b) give effect to the Independence Bill
  - (c) delimit the boundaries between India and Pakistan
  - (d) enquire into the riots in East Bengal
96. **Brominated flame retardants are used in many household products like mattresses and upholstery. Why is there some concern about their use?**
- (1) They are highly resistant to degradation in the environment.
  - (2) They are able to accumulate in humans and animals.
- Select the correct answer using the codes given below:**
- (a) 1 only
  - (b) 2 only
  - (c) Both 1 and 2
  - (d) Neither 1 nor 2
97. **Consider the following:**
- (1) Bats
  - (2) Bears
  - (3) Rodents
- The phenomenon of hibernation can be observed in which of the above kinds of animals?**
- (a) 1 and 2 only
  - (b) 2 only
  - (c) 1, 2 and 3 only
  - (d) Hibernation cannot be observed in any of the above
98. **Which one of the following is the largest Committee of the Parliament?**
- (a) The Committee on Public Accounts
  - (b) The Committee on Estimates
  - (c) The Committee on Public Undertakings
  - (d) The Committee on Petitions
99. **Which of the following adds/add carbon dioxide to the carbon cycle on the planet Earth?**
- (1) Volcanic action
  - (2) Respiration
  - (3) Photosynthesis
  - (4) Decay of organic matter
- Select the correct answer using the codes given below.**
- (a) 1 and 3 only
  - (b) 2 only
  - (c) 1, 2 and 4 only
  - (d) 1, 2, 3 and 4
100. **If you walk through countryside, you are likely to see some birds stalking alongside the cattle to seize the insects disturbed by their movement through grasses. Which of the following is/are such bird/birds?**
- (1) Painted Stork
  - (2) Common Myna
  - (3) Black-necked Crane
- Select the correct answer using the codes given below.**
- (a) 1 and 2 only
  - (b) 2 only
  - (c) 2 and 3 only
  - (d) 3 only

## 2

## CSAT Paper-II

**Directions for the following 5 (five) items :**

**Read the following passage and answer the items that follow. Your answers to these items should be based on the passage only.**

**PASSAGE-I**

**Directions for the following 8 (eight) items:**

**Read the following Two passages and answer the items that follow each passage. Your answers to these items should be based on the passages only.**

**PASSAGE-I**

The Himalayan ecosystem is highly vulnerable to damage, both due to geological reasons and on account of the stress caused by increased pressure of population, exploitation of natural resources and other related challenges. These aspects may be exacerbated due to the impact of climate change. It is possible that climate change may adversely impact the Himalayan ecosystem through increased temperature, altered precipitation patterns, episodes of drought and biotic influences. This would not only impact the very sustenance of the indigenous communities in uplands but also the life of downstream dwellers across the country and beyond. Therefore, there is an urgent need for giving special attention to sustain the Himalayan ecosystem. This would require conscious efforts for conserving all the representative systems.

Further, it needs to be emphasized that the endemics with restricted distribution, and most often with specialized habitat requirements, are among the most vulnerable elements. In this respect the Himalayan biodiversity hotspot, with rich endemic diversity, is vulnerable to climate change. The threats include possible loss of genetic resources and species, habitats and concomitantly a decrease in ecosystem services, Therefore, conservation of endemic elements in representative ecosystems/habitats assumes a great significance while drawing conservation plans for the region. Towards achieving the above, we will have to shift toward contemporary conservation approaches, which include a paradigm of landscape level interconnectivity between protected area systems. The concept advocates a shift from the species-habitat focus to an inclusive focus on expanding the biogeographic range so that natural adjustments to climate change can proceed without being restrictive.

**1. Consider the following statements:**

**According to the passage, the adverse impact of climate change on an ecosystem can be a**

- (1) permanent disappearance of some of its flora and fauna.
- (2) permanent disappearance of ecosystem itself.

**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

**2. Which one of the following statements best implies the need to shift toward contemporary conservation approach?**

- (a) Exploitation of natural resources causes a stress on the Himalayan ecosystem.  
(b) Climate change alters precipitation patterns, causes episodes of drought and biotic interference.  
(c) The rich biodiversity, including endemic diversity, makes the Himalayan region a biodiversity hotspot.  
(d) The Himalayan biogeographic region should be enabled to adapt to climate change smoothly.

**3. What is the most important message conveyed by the passage?**

- (a) Endemism is a characteristic feature of Himalayan region.  
(b) Conservation efforts should emphasize on biogeographic ranges rather than on some species or habitats.  
(c) Climate change has adverse impact on the Himalayan ecosystem.  
(d) Without Himalayan ecosystem, the life of the communities of uplands and downstreams will have no sustenance.

**4. With reference to the passage, the following assumptions have been made.**

- (1) To maintain natural ecosystems, exploitation of natural resources should be completely avoided.  
(2) Not only anthropogenic but also natural reasons can adversely affect ecosystems.  
(3) Loss of endemic diversity leads to the extinction of ecosystems.

**Which of the above assumptions is/are correct?**

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

### PASSAGE-II

It is often forgotten that globalization is not only about policies on international economic relationships and transactions, but has equally to do with domestic policies of a nation. Policy changes necessitated by meeting the internationally set conditions (by WTO etc.) of free trade and investment flows obviously affect domestic producers and investors. But the basic philosophy underlying globalization emphasizes absolute freedom to markets to determine prices and production and distribution patterns, and view government interventions as processes that create distortions and bring in inefficiency. Thus, public enterprises have to be privatized through disinvestments and sales; sectors and activities hitherto reserved for the public sector have to be opened to the private sector. This logic extends to the social services like education and health. Any restrictions on the adjustments in workforce by way of retrenchment of workers should also be removed and exit should be made easier by removing any restrictions on closures. Employment and wages should be governed by free play of market forces, as any measure to regulate them can discourage investment and also create inefficiency in production.

Above all, in line with the overall philosophy of reduction in the role of the State, fiscal reforms should be undertaken to have generally low levels of taxation and government expenditure should be kept to the minimum to abide by the principle of fiscal prudence. All these are policy actions on the domestic front and are not directly related to the core items of the globalization agenda, namely free international flow of goods and finance.

**5. According to the passage, under the globalization, government interventions are viewed as processes leading to**

- (a) distortions and inefficiency in the economy.
- (b) optimum use of resources.
- (c) more profitability to industries.
- (d) free play of market forces with regard to industries.

**6. According to the passage, the basic philosophy of globalization is to**

- (a) give absolute freedom to producers to determine prices and production.
- (b) give freedom to producers to evolve distribution patterns.
- (c) give absolute freedom to markets to determine prices, production and employment.
- (d) give freedom to producers to import and export.

**7. According to the passage, which of the following is/are necessary for ensuring globalization?**

- (1) Privatization of public enterprises
- (2) Expansionary policy of public expenditure
- (3) Free play of market forces to determine wages and employment.
- (4) Privatization of social services like education and health.

**Select the correct answer using the codes given below.**

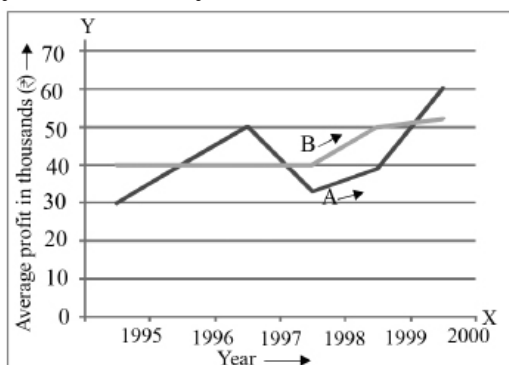
- (a) 1 only
- (b) 2 and 3 only
- (c) 1, 3 and 4
- (d) 2, 3 and 4

**8. According to the passage, in the process of globalization the State should have**

- (a) expanding role.
- (b) reducing role.
- (c) statutory role.
- (d) none of the above roles.

**Directions for the following 4 (Four) items:**

**The following graph shows the average profit of two fruit-sellers A and B in thousands (₹) per year from the year 1995 to 2000. Consider the graph and answer the 4 (four) items that follow.**



9. In which year is the average profit of A and B same?  
 (a) 1995 (b) 1996 (c) 1997 (d) 1998
10. What is the difference between the average profit of B and A in the year 1998?  
 (a) -100 (b) -1,000 (c) +600 (d) -300
11. How much more average profit did A make in the year 2000 than in the year 1999?  
 (a) 200 (b) 1,000 (c) 1,500 (d) 2,000
12. What is the trend of the average profit of B from the year 1997 to the 2000?  
 (a) Non-increasing (b) Non-decreasing (c) Steady (d) Fluctuating
13. The following table shows the marks obtained by two students in different subjects:

	Student A	Maximum Marks	Student B	Maximum Marks
English	60	100	80	150
Psychology	70	100	70	100
History	50	100	60	100
Sanskrit	30	50	15	25

The difference in the mean aggregate percentage marks of the students is

- (a) 2.5% (b) 13.75% (c) 1.25% (d) Zero
14. Examine the following figure.



Which one of the following figures has the above figure embedded in it?

- (a) (b) (c) (d)

15. Consider the following matrix:

↑ ↑	↑ ↓	↓ ↑
↑ →	↑ ←	↓ →
↑ ↓		↓ ↓

Which one of the following figures fits into the blank part of the above matrix?

- (a) (b) (c) (d)

16. The following table gives population and total income of a city for four years:

Year	1992	1993	1994	1995
Population in Lakhs	20	21	22	23
Income in Crores (Rs.)	1010	1111	1225	1345

Which one of the following statements is correct in respect of the above data?

- (a) Population increased by 5% or more every year.  
 (b) Income increased by 10% or more every year.  
 (c) Per capita income was always above 5,000  
 (d) Per capita income was highest in 1994.

17. Consider the table given below in which the numbers bear certain relationship among themselves along the rows.


29	13	18
33	X	19
30	27	3

Which one of the following numbers is the missing number indicated above by X?

- (a) 19                      (b) 15                      (c) 14                      (d) 8
18. Consider the following matrix with one empty block in the lower extreme corner:

○ ○ ○ ○ △ △	○ ○ ○ △ △ △	○ ○ △ △ △
○ ○ ○ △	○ ○ △ △	○ ○ △ △ △
○ ○	○ △	

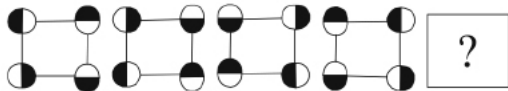
Which of the following figures could fit in the empty block and thus complete the matrix?

- (a)       (b)       (c)       (d) 


19. With reference to the figure given below the number of different routes from S to T without retracing from U and/or V, is



- (a) 3                      (b) 6                      (c) 9                      (d) 18
20. Consider the following figures:



Change in positions of beads in the four figures above follows a sequence. Following the same sequence, which of the figures below should appear as the fifth figure above?

- (a)       (b)       (c)       (d) 

21. A bell rings every 18 minutes. A second bell rings every 24 minutes. A third bell rings every 32 minutes. If all the three bells ring at the same time at 8 o'clock in the morning, at what other time will they all ring together?

- (a) 12 : 40 hrs      (b) 12 : 48 hrs      (c) 12 : 56 hrs      (d) 13 : 04 hrs

22. "Price is not the same thing as value. Suppose that on a day the price of everything viz., coal, bread, postage stamps, a day's labour, the rent of houses etc. were to double. Prices then would certainly rise, but values of all things except one would not."

The writer wants to say that if prices of all things were doubled

- (a) the values of all things would remain constant.  
(b) the values of the things sold would be doubled.  
(c) the values of the things bought would be halved.  
(d) the value of money only would be halved.
23. **A and B decide to travel from place X to place Y by bus. A has 10 with him and he finds that it is 80% of the bus fare for two persons. B finds that he has 3 with him and hands it over to A. In this context, which one of the following statements is correct?**
- (a) Now the money A has is just enough to buy two tickets.  
(b) A still needs 2 for buying the tickets.  
(c) After buying the two tickets A will be left with 50 paise.  
(d) The money A now has is still not sufficient to buy two tickets.
24. **As per agreement with a bank, a businessman had to refund a loan in some equal instalments without interest. After paying 18 instalments he found that 60 percent of his loan was refunded. How many instalments were there in the agreement?**
- (a) 22                      (b) 24                      (c) 30                      (d) 33
25. **A worker reaches his factory 3 minutes late if his speed from his house to the factory is 5 km/hr. If he walks at a speed of 6 km/hr, then he reaches the factory 7 minutes early. The distance of the factory from his house is**
- (a) 3 km                      (b) 4 km                      (c) 5 km                      (d) 6 km
26. **"Liberty, therefore, is never real unless the Government can be called to account when it invades rights."**
- Which one of the following is the best justification of the above statement?**
- (a) In the realisation that the government can be brought to book in a court of law  
(b) In identifying a man as a political unit in a way which distinguishes him from other citizens  
(c) In a decentralized society wherein the basic needs of men can find satisfaction  
(d) In the understanding that liberty and restraints are complementary

**Directions for the following 5 (five) items:**

**Read the following Two passages and answer the items that follow each passage. Your answers to these items should be based on the passages only.**

### PASSAGE-I

In recent times, India has grown fast not only compared to its own past but also in comparison with other nations. But there cannot be any room for complacency because it is possible for the Indian economy to develop even faster and also to spread the benefits of this growth more widely than has been done thus far. Before going into details of the kinds of micro-structural changes that we need to conceptualize and then proceed to implement, it is worthwhile elaborating on the idea of inclusive growth that constitutes the defining concept behind this Government's various economic policies and decisions. A nation interested in inclusive growth views the same growth differently depending on



whether the gains of the growth are heaped primarily on a small segment or shared widely by the population. The latter is cause for celebration but not the former. In other words, growth must not be treated as an end in itself but as an instrument for spreading prosperity to all. India's own past experience and the experience of other nations suggests that growth is necessary for eradicating poverty but it is not a sufficient condition. In other words, policies for promoting growth need to be complemented with policies to ensure that more and more people join in the growth process and, further, that there are mechanisms in place to redistribute some of the gains to those who are unable to partake in the market process and, hence, get left behind.

A simple way of giving this idea of inclusive growth a sharper form is to measure a nation's progress in terms of the progress of its poorest segment, for instance the bottom 20 per cent of the population. One could measure the per capita income of the bottom quintile of the population and also calculate the growth rate of income; and evaluate our economic success in terms of these measures that pertain to the poorest segment. This approach is attractive because it does not ignore growth like some of the older heterodox criteria did. It simply looks at the growth of income of the poorest sections of the population. It also ensures that those who are outside of the bottom quintile do not get ignored. If that were done, then those people would in all likelihood drop down into the bottom quintile and so would automatically become a direct target of our policies. Hence the criterion being suggested here is a statistical summing up of the idea of inclusive growth, which, in turn, leads to two corollaries : to wish that India must strive to achieve high growth and that we must work to ensure that the weakest segments benefit from the growth.

**27. The author's central focus is on**

- (a) applauding India's economic growth not only against its own past performance, but against other nations.
- (b) emphasizing the need for economic growth which is the sole determinant of a country's prosperity.
- (c) emphasizing inclusive growth where gains of growth are shared widely by the population.
- (d) emphasizing high growth.

**28. The author supports policies which will help**

- (a) develop economic growth.
- (b) better distribution of incomes irrespective of rate of growth.
- (c) develop economic growth and redistribute economic gains to those getting left behind.
- (d) put an emphasis on the development of the poorest segments of society.

**29. Consider the following statements.**

**According to the author, India's economy has grown but there is no room for complacency as**

- (1) growth eradicates poverty.
- (2) growth has resulted in prosperity for all.

**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

**PASSAGE-II**

It is easy for the government to control State-owned companies through nods and winks. So what really needs to be done as a first step is to put petrol pricing on a transparent formula - if the price of crude is  $x$  and the exchange rate  $y$ , then every month or fortnight, the government announces a maximum price of petrol, which anybody can work out from the  $x$  and the  $y$ . The rule has to be worked out to make sure that the oil-marketing companies can, in general, cover their costs. This will mean that if one company can innovate and cut costs, it will make greater profits. Hence, firms will be more prone to innovate and be efficient under this system. Once the rule is announced, there should be no interference by the government. If this is done for a while, private companies will re-enter this market. And once a sufficient number of them are in the fray, we can remove the rule-based pricing and leave it truly to the market (subject to, of course, the usual regulations of anti-trust and other competition laws).

**30. Consider the following statements:**

**According to the passage, an oil company can make greater profits, if a transparent formula for petrol pricing is announced every fortnight or month, by**

- (1) promoting its sales.                      (2) undertaking innovation.  
(3) cutting costs.                      (4) selling its equity shares at higher prices.

**Which of the statements given above is/are correct?**

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

**31. Consider the following statements:**

**According to the passage, private oil companies re-enter the oil producing market if**

- (1) a transparent rule-based petrol pricing exists.  
(2) there is no government interference in the oil producing market.  
(3) subsidies are given by the government.  
(4) regulations of anti-trust are removed.

**Which of the statements given above are correct?**

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

**32. Five persons fire bullets at a target at an interval of 6, 7, 8, 9 and 12 seconds respectively.**

**The number of times they would fire the bullets together at the target in an hour is**

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

**33. A group of 630 children is seated in rows for a group photo session. Each row contains three less children than the row in front of it. Which one of the following number of rows is not possible?**

- (a) 3                      (b) 4                      (c) 5                      (d) 6

**34. There are seven persons up on a ladder, A, B, C, D, E, F and G (not in that order). A is further up than E but is lower than C. B is in the middle. G is between A and B. E is**

between B and F. If F is between E and D, the person on the bottom step of the ladder will be

- (a) B (b) F (c) D (d) E

35. Consider that:

- (1) A is taller than B. (2) C is taller than A.  
 (3) D is taller than C. (4) E is the tallest of all.

If they are made to sit in the above order of their height, who will occupy the mid position?

- (a) A (b) B (c) C (d) D

36. Consider the following statements:

There are six villages A, B, C, D, E and F.

F is 1 km to the west of D.

B is 1 km to the east of E.

A is 2 km to the north of E.

C is 1 km to the east of A.

D is 1 km to the south of A.

Which three villages are in a line?

- (a) A, C, B (b) A, D, E (c) C, B, F (d) E, B, D

37. Four children are sitting in a row. A is occupying the seat next to B but not next to C. If C is not sitting next to D, who is/are occupying seat/seats adjacent to D?

- (a) B (b) A (c) B and A (d) Impossible to tell

38. Assume that

- (1) the hour and minute hands of a clock move without jerking.  
 (2) the clock shows a time between 8 o'clock and 9 o'clock.  
 (3) the two hands of the clock are one above the other.

After how many minutes (nearest integer) will the two hands be again lying one above the other?

- (a) 60 (b) 62 (c) 65 (d) 67

Directions for the following 6 (six) items:

The following six items are based on Two passages in English to test the comprehension of English language and therefore these items do not have Hindi version. Read each passage and answer the items that follow.

### PASSAGE-I

In front of us was walking a bare-headed old man in tattered clothes. He was driving his beasts. They were all laden with heavy loads of clay from the hills and looked tired. The man carried a long whip which perhaps he himself had made. As he walked down the road he stopped now and then to eat the wild berries that grew on bushes along the uneven road. When he threw away the seeds, the bold birds would fly to peck at them. Sometimes a stray dog watched the procession philosophically and then

began to bark. When this happened, my two little sons would stand still holding my hands firmly. A dog can sometimes be dangerous indeed.

39. **The author's children held his hands firmly because**
- (a) they were scared of the barking dogs.
  - (b) they wanted him to pluck berries.
  - (c) they saw the whip in the old man's hand.
  - (d) the road was uneven.
40. **The expression "a stray dog watched the procession philosophically" means that**
- (a) the dog was restless and ferocious
  - (b) the dog stood aloof, looking at the procession with seriousness.
  - (c) the dog looked at the procession with big, wondering eyes.
  - (d) the dog stood there with his eyes closed.

### PASSAGE-II

Cynthia was a shy girl. She believed that she was plain and untalented. One day her teacher ordered the entire class to show up for audition for the school play. Cynthia nearly died of fright when he was told that she would have to stand on stage in front of the entire class and deliver dialogues. The mere thought of it made her feel sick. But a remarkable transformation occurred during the audition. A thin, shy girl, her knees quaking, her stomach churning in terror, began to stun everyone with her excellent performance. Her bored classmates suddenly stopped their noisy chat to stare at her slender figure on the stage. At the end of her audition, the entire room erupted in thunderous applause.

41. **Cynthia was afraid to stand on stage because**
- (a) she left her classmates may laugh at her.
  - (b) her stomach was churning.
  - (c) she lacked self-confidence.
  - (d) she did not like school plays.
42. **Cynthia's classmates were chatting because**
- (a) it was their turn to act next.
  - (b) they were bored of the performances.
  - (c) Cynthia did not act well.
  - (d) the teacher had no control over them.
43. **Cynthia's knees were quaking because**
- (a) she felt nervous and shy.
  - (b) the teacher scolded her.
  - (c) she was very thin and weak.
  - (d) she was afraid of her classmates.
44. **The transformation that occurred during the audition refers to**
- (a) the nervousness of Cynthia.
  - (b) the eruption of the entire room in thunderous applause.
  - (c) the surprise on the faces of her classmates.
  - (d) the stunning performance of Cynthia.

45. If the 3rd day of a month is Monday, which one of the following will be the fifth day from 21st of this month?  
(a) Monday (b) Tuesday (c) Wednesday (d) Friday
46. For a charity show, the total tickets sold were 420. Half of these tickets were sold at the rate of < 5 each, one-third at the rate of < 3 each and the rest for < 2 each. What was the total amount received?  
(a) < 900 (b) < 1,540 (c) < 1,610 (d) < 2,000

**Directions for the following 3 (three) items:**

**Read the passage given below and answer the items that follow.**

**A, B, C, D, E, F are members of a family. They are engineer, stenographer, doctor, draughtsman, lawyer and judge (not in order). A, the engineer is married to the lawyer. F, the draughtsman is the son of B and brother of E. C, the lawyer is the daughter-in-law of D. E is the unmarried doctor. D is the grandmother of F. There are two married couples in the family.**

47. What is the profession of B?  
(a) Judge (b) Lawyer  
(c) Draughtsman (d) Cannot be determined
48. Which of the following is/are a couple/couples?  
(a) AD only (b) BC only (c) Both AD and BC (d) Both AC and BD
49. What is the profession of D?  
(a) Judge (b) Stenographer  
(c) Doctor (d) Cannot be determined

**Directions for the following 7 (seven) items:**

**Read the following two passages and answer the items that follow each passage. Your answers to these items should be based on the passages only.**

### PASSAGE-I

Many nations now place their faith in capitalism and governments choose it as the strategy to create wealth for their people. The spectacular economic growth seen in Brazil, China and India after the liberalisation of their economies is proof of its enormous potential and success. However, the global banking crisis and the economic recession have left many bewildered. The debates tend to focus on free market operations and forces, their efficiency and their ability for self correction. Issues of justice, integrity and honesty are rarely elaborated to highlight the failure of the global banking system. The apologists of the system continue to justify the success of capitalism and argue that the recent crisis was a blip.

Their arguments betray an ideological bias with the assumptions that an unregulated market is fair and competent, and that the exercise of private greed will be in the larger public interest.

Few recognize the bidirectional relationship between capitalism and greed; that each reinforces the other. Surely, a more honest conceptualisation of the conflicts of interest among the rich and powerful players who have benefited from the system, their biases and ideology is needed; the focus on the

wealth creation should also highlight the resultant gross inequity.

**50. The apologists of the "Free Market System", according to the passage, believe in**

- (a) market without control by government authorities.
- (b) market without protection by the government.
- (c) ability of market to self correct.
- (d) market for free goods and services.

**51. With reference to "ideological bias", the passage implies that**

- (a) free market is fair but not competent.
- (b) free market is not fair but competent.
- (c) free market is fair and competent.
- (d) free market is neither fair nor biased.

**52. "The exercise of private greed will be in the larger public interest" from the passage**

- (1) refers to the false ideology of capitalism.
- (2) underlies the righteous claims of the free market?
- (3) shows the benevolent face of capitalism.
- (4) ignores resultant gross inequity.

**Which of the statements given above is/are correct?**

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

### PASSAGE-II

Net profits are only 2.2% of their total assets for central public sector undertakings, lower than for the private corporate sector. While the public sector or the State-led entrepreneurship played an important role in triggering India's industrialization, our evolving development needs, comparatively less-than-satisfactory performance of the public sector, enterprises, the maturing of our private sector, a much larger social base now available for expanding entrepreneurship and the growing institutional capabilities to enforce competition policies would suggest that the time has come to review the role of public sector.

What should the portfolio composition of the government be? It should not remain static all times. The airline industry works well as a purely private affair. At the opposite end, rural roads, whose sparse traffic makes tolling unviable, have to be on the balance-sheet of the State. If the government did not own rural roads, they would not exist. Similarly public health capital in our towns and cities will need to come from the public sector. Equally, preservation and improvement of forest cover will have to be a new priority for the public sector assets.

Take the example of steel. With near-zero tariffs, India is a globally competitive market for the metal. Indian firms export steel into the global market, which demonstrates there is no gap in technology. Indian companies are buying up global steel companies, which shows there is no gap in capital availability. Under these conditions, private ownership works best.

Private ownership is clearly desirable in regulated industries, ranging from finance to infrastructure, where a government agency performs the function of regulation and multiple competing firms are located in the private sector. Here, the simple and clean solution-government as the umpire and the private sector as the players is what works best. In many of these industries, we have a legacy of

government ownership, where productivity tends to be lower, fear of bankruptcy is absent, and the risk of asking for money from the tax payer is ever present. There is also the conflict of interest between government as an owner and as the regulator. The formulation and implementation of competition policy will be more vigorous and fair if government companies are out of action.

**53. According to the passage, what is/are the reason/reasons for saying that the time has come to review the role of public sector?**

- (1) Now public sector has lost its relevance in the industrialization process.
- (2) Public sector does not perform satisfactorily.
- (3) Entrepreneurship in private sector is expanding.
- (4) Effective competition policies are available now.

**Which of the statements given above is/are correct in the given context?**

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

**54. According to the passage, rural roads should be in the domain of public sector only. Why?**

- (a) Rural development work is the domain of government only.
- (b) Private sector cannot have monetary gains in this.
- (c) Government takes money from tax payers and hence it is the responsibility of government only.
- (d) Private sector need not have any social responsibility.

**55. The portfolio composition of the government refers to**

- (a) Public sector assets quality.
- (b) Investment in liquid assets.
- (c) Mix of government investment in different industrial sectors.
- (d) Buying Return on Investment yielding capital assets.

**56. The author prefers government as the umpire and private sector as players because**

- (a) Government prescribes norms for a fair play by the private sector.
- (b) Government is the ultimate in policy formulation.
- (c) Government has no control over private sector players.
- (d) None of the above statements is correct in this context.

**57. A question paper must have a question on one of the eight poets: A, B, C, D, E, F, G or H. The first four belong to the medieval period while the rest are considered modern poets. Generally, modern poets figure in the question paper in alternate years. Generally those who like H like G also; and those who like F like E also. The paper-setter does not like to ask about F as he has written a book on F, but he likes F. Last year, the paper contained a question on A. On the basis of the information given, this year's paper is most likely to contain a question on.**

- (a) C      (b) E      (c) F      (d) H

58. In a group of six women there are four dancers, four vocal musicians, one actress and three violinists. Giriya and Vanaja are among the violinists while Jalaja and Shailaja do not know how to play on the violin. Shailaja and Tanuja are among the dancers. Jalaja, Vanaja, Shailaja and Tanuja are all vocal musicians and two of them are also violinists. If Pooja is an actress, who among the following is certainly a dancer and a violinist?  
(a) Jalaja (b) Pooja (c) Shailaja (d) Tanuja
59. The letters L, M, N, O, P, Q, R, S and T in their order are substituted by nine integers 1 to 9 but not in that order. 4 is assigned to P. The difference between P and T is 5. The difference between N and T is 3. What is the integer assigned to N?  
(a) 7 (b) 5 (c) 4 (d) 6
60. The number of deaths among the army personnel is 8 in 1000, but among the civilian population it is 20 per 1000. Which one of the following inferences can be drawn from this statement?  
(a) It is better to join the army.  
(b) The relationship is fortuitous.  
(c) Quality of Life Index is very high within the armed forces.  
(d) The groups cannot be compared due to their heterogeneity.
61. Given the statement: "Buses are the cause of more accidents than cars, and trucks cause fewer accidents than buses", which of the following conclusions can we draw?  
(a) There are more buses on the road than trucks.  
(b) Car drivers are more careful than bus drivers.  
(c) Truck drivers are more skilled than either car or bus drivers.  
(d) None of the above
62. "If political leadership fails to emerge, there is likelihood of military taking over power in developing countries. Radical student groups or labour may try to raise revolution but they are not likely to compete with the military. Military intervention, rule, and withdrawal from politics is closely related to a society's level of political development," In the context of political development, the assumption in the above passage is that  
(a) political leadership is not an effective instrument.  
(b) military fills in political vacuum.  
(c) military intervention is inevitable for development.  
(d) None of the above
63. Four persons, Alok, Bhupesh, Chander and Dinesh have a total of < 100 among themselves. Alok and Bhupesh together have as much money as Chander and Dinesh together, but Alok has more money than Bhupesh; and Chander has only half the money that Dinesh has. Alok has in fact < 5 more than Dinesh has. Who has the maximum amount of money?  
(a) Alok (b) Bhupesh (c) Chander (d) Dinesh



**64. Examine the following statements:**

- (1) George attends Music classes on Monday.
- (2) He attends Mathematics classes on Wednesday.
- (3) His Literature classes are not on Friday.
- (4) He attends History classes on the day following the day of his Mathematics classes.
- (5) On Tuesday, he attends his Sports classes.

**If he attends just one subject in a day and his Sunday is free, then he is also free on**

- (a) Monday            (b) Thursday            (c) Saturday            (d) Friday

**65. In a row 'A' is in the 11th position from the left and 'B' is in the 10th position from the right. If 'A' and 'B' interchange, then 'A' becomes 18th from the left. How many persons are there in the row other than 'A' and 'B'?**

- (a) 27                    (b) 26                    (c) 25                    (d) 24

**66. Location of B is north of A and location of C is east of A. The distances AB and AC are 5 km and 12 km respectively. The shortest distance (in km) between the locations B and C is**

- (a) 60                    (b) 13                    (c) 17                    (d) 7

**67. Two cars start towards each other, from two places A and B which are at a distance of 160 km. They start at the same time 08:10 AM If the speeds of the cars are 50 km and 30 km per hour respectively, they will meet each other at**

- (a) 10 :10 AM        (b) 10 : 30 AM        (c) 11 :10 AM        (d) 11 : 20 AM

**Directions for the following 6 (six) items:**

**Read the following two passages and answer the items that follow each passage. Your answers to these items should be based on the passages only.**

### PASSAGE-I

Climate change poses potentially devastating effects on India's agriculture. While the overall parameters of climate change are increasingly accepted- a 10C average temperature increase over the next 30 years, sea level rise of less than 10 cm in the same period, and regional monsoon variations and corresponding droughts- the impacts in India are likely to be quite site and crop specific. Some crops may respond favourable to the changing conditions, others may not. This emphasizes the need to promote agricultural research and create maximum flexibility in the system to permit adaptations. The key ingredient for "drought proofing" is the managed recharge of aquifers. To ensure continued yields of important staple crops (e.g. wheat), it may also be necessary to shift the locations where these crops are grown, in response to temperature changes as well as to water availability. The latter will be a key factor in making long term investment decisions.

For example water runoff from the Himalayas is predicted to increase over the next 30 years as glaciers melt, but then decline substantially thereafter. It will be critical to provide incentives to plan for these large-scale shifts in agro-ecological conditions.

Indian needs to make long term investment in research and development in agriculture. India is likely

to experience changed weather patterns in future.

**68. Consider the following statements:**

**Climate change may force the shifting of locations of the existing crops due to**

- (1) melting of glaciers.
- (2) water availability and temperature suitability at other locations.
- (3) poor productivity of crops.
- (4) wider adaptability of crop plants.

**Which of the statements given above are correct ?**

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

**69. According to the passage, why is it important to promote agricultural research in India?**

- (a) To predict variations in monsoon patterns and to manage water resources
- (b) To make long term investment decisions for economic growth
- (c) To facilitate wider adaptability of crops
- (d) To predict drought conditions and to recharge aquifers

### **PASSAGE-II**

It is essential that we mitigate the emissions of greenhouse gases and thus avoid some of the worst impacts of climate change that would take place in coming years and decades. Mitigation would require a major shift in the way we produce and consume energy. A shift away from overwhelming dependence on fossil fuels is now long overdue, but unfortunately, technological development has been slow and inadequate largely because government policies have not promoted investments in research and development myopically as a result of relatively low prices of oil. It is now, therefore, imperative for a country like India treating the opportunity of harnessing renewable energy on a large scale as a national imperative. This country is extremely well endowed with solar, wind and biomass sources of energy. Where we have lagged, unfortunately, is in our ability to develop and to create technological solutions for harnessing these resources.

One particular trajectory for carrying out stringent mitigation of greenhouse gas emissions assessed by the Intergovernmental Panel on Climate Change (IPCC) clearly shows the need for ensuring that global emissions of greenhouse gases peak no later than 2015 and reduce rapidly thereafter. The cost associated with such a trajectory is truly modest and would amount, in the estimation of IPCC, to not more than 3 percent of the global GDP in 2030. In other words, the level of prosperity that the world would have reached without mitigation would at worst be postponed by a few months or a year at the most. This is clearly not a very high price to pay for protecting hundreds of millions of people from the worst risks associated with climate change. Any such effort, however, would require lifestyles to change appropriately also. Mitigation of greenhouse gas emissions is not a mere technological fix, and clearly requires changes in lifestyles and transformation of a country's economic structure, whereby effective reduction in emissions is brought about, such as through the consumption of much lower quantities of animal protein. The Food and Agriculture Organization (FAO) has determined that the emissions from the livestock sector amount to 18 percent of the total. The reduction of emissions

from this source is entirely in the hands of human beings, who have never questioned the impacts that their dietary habits of consuming more and more animal protein are bringing about. Mitigation overall has huge co-benefits, such as lower air pollution and health benefits, higher energy security and greater employment.

**70. According to the passage, which of the following would help in the mitigation of greenhouse gases?**

- (1) Reducing the consumption of meat
- (2) Rapid economic liberalization
- (3) Reducing the consumerism
- (4) Modern management practices of livestock

**Select the correct answer using the code given below:**

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

**71. Why do we continue to depend on the fossil fuels heavily?**

- (1) Inadequate technological development
- (2) Inadequate funds for research and development
- (3) Inadequate availability of alternative sources of energy

**Select the correct answer using the code given below:**

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

**72. According to the passage, how does the mitigation of greenhouse gases help as?**

- (1) Reduces expence on public health
- (2) Reduces dependence on livestock
- (3) Reduces energy requirements
- (4) Reduces rate of global climate change

**Select the correct answer using the code given below:**

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

**73. What is the essential message of the passage?**

- (a) We continue to depend on fossil fuels heavily
- (b) Mitigation of the greenhouse gases is imperative
- (c) We must invest in research and development
- (d) People must change their lifestyle

**74. There are 50 students admitted to a nursery class. Some students can speak only English and some can speak only Hindi. 10 students can speak both English and Hindi. If the number of students who can speak Hindi, how many can speak only Hindi and how many can speak only English?**

- (a) 21, 11 and 29 respectively
- (b) 28, 18 and 22 respectively
- (c) 37, 27 and 13 respectively
- (d) 39, 29 and 11 respectively

**75. A gardener increased the area of his rectangular garden by increasing its length by 40% and decreasing its width by 20%. The area of the new garden**

- (a) has increased by 20 %
- (b) has increased by 12%
- (c) has increased by 8%
- (d) is exactly the same as the old area.

76. Six books are labelled A, B, C, D, E and F and are placed side by side. Books B, C, E and F have green covers while others have yellow covers. Books A, B and D are new while the rest are old volumes. Books A, B and C are law reports while the rest are medical extracts Which to books are old medical extracts and have green covers?  
(a) B and C            (b) E and F            (c) C and E            (d) C and F
77. A straight line segment is 36 cm long. Points are to be marked on the line from both the end points. From each end, the first point is at a distance of 1 cm from the end, the second point is at a distance of 2 cm from the first point and the the third point is at a distance of 3 cm from the second point and so on. If the points on the ends are not counted and the common points are counted as one, what is the number of points?  
(a) 10            (b) 12            (c) 14            (d) 16
78. If Sohan, while selling two goats at the same price, makes a profit of 10% on one goat and suffers a loss of 10% on the other  
(a) he makes no profit and no loss.            (b) he makes a profit of 1%  
(c) he suffers a loss of 1 %            (d) he suffers a loss of 2%
79. Out of a total of 120 musicians in a club, 5% can play all the three instruments, guitar, violin and flute. It so happens that the number of musicians who can play any two and only two of the above instruments is 30. The number of musicians who can play the guitar alone is 40. What is the total number of those who can play violin alone or flute alone?  
(a) 45            (b) 44            (c) 38            (d) 30
80. Six identical cards are placed on a table. Each card has number '1' marked on one side and number '2' marked on its other side. All the six cards are placed in such a manner that the number '1' is on the upper side. In one try, exactly four (neither more nor less) cards are turned upside down. In how many least number of tries can the cards be turned upside down such that all the six cards show number '2' on the upper side?  
(a) 3            (b) 5  
(c) 7            (d) This cannot be achieved