

RAJA SIR'S
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MONTHLY QUIZ

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1. Consider the following statements regarding Comptroller and Auditor-General of India

1. He can be removed from office only in the manner and on the grounds that a Judge of the Supreme Court is removed.
2. He holds office for a period of six years or upto the age of 60 years.
3. He audits all expenditure from the Contingency Fund of India and the Public Account of India as well as the Contingency Fund and Public Account of each state.

Select the correct answer using the code given below:

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

2. Consider the following statements regarding Prajijwala Challenge

1. It Aims To invite ideas, solutions and actions that can transform the rural economy.
2. It is launched by ministry of Rural Development.

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.

3. Consider the following statements regarding Nilgiri Tahr

1. Nilgiri Tahr is the only Caprinae species found in the tropical mountains of south.
2. They are endemic to the Western Ghats.
3. They are classified as Endangered in IUCN Red list

Select the correct answer using the code given below:

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

4. Consider the following statements regarding Atomic Energy Regulatory Board (AERB)

1. It was constituted by President of India by exercising powers conferred by Section 27 of Atomic Energy Act, 1962

2. The regulatory authority of AERB is derived from Atomic Energy Act, 1962 and Environmental (Protection) Act, 1986.

Select the incorrect answer using the code given below:

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

5. Consider the following statements regarding Reserve Forest

- 1. Reserve forests are constituted by the State Government.
- 2. Reserved forests has highest degree of protection than Protected forest.

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.

6. In the context of hereditary diseases, consider the following statements:

- 1. Passing on mitochondrial diseases from parent to child can be prevented by mitochondria replacement therapy either before or after in vitro fertilization of the egg.
- 2. A child inherits mitochondrial diseases entirely from mother and not from father.

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

7. With reference to 'stem cells', frequently in the news, which of the following statements is/are correct?

- 1. Stem cells can be derived from mammals only
- 2. Stem cells can be used for screening new drugs
- 3. Stem cells can be used for medical therapies

Select the correct answer using the codes given below:

- (a) 1 and 2 only

(b) 2 and 3 only

(c) 3 only

(d) 1, 2 and 3

8. Consider the following
SARIS STATE

Banarasi Uttar Pradesh

Paithani Maharashtra

Kanjeeva ram Tamil Nadu

Kasavu Kerala

Select the correct answer using the code given below:

(a) 1 and 3.

(b) 2 and 3.

(c) 1, 2, 3 and 4.

(d) 2, 3 and 4.

9. At the national level, which ministry is the nodal agency to ensure effective implementation of the Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006?

(a) Ministry of Environment, Forest and Climate Change

(b) Ministry of Panchayati Raj

(c) Ministry of Rural Development

(d) Ministry of Tribal Affairs

10. With the present state of development, Artificial Intelligence can effectively do which of the following?

1. Bring down electricity consumption in industrial units
2. Create meaningful short stories and songs
3. Disease diagnosis
4. Text-to-Speech Conversion
5. Wireless transmission of electrical energy

Select the correct answer using the code given below:

(a) 1, 2, 3 and 5 only

(b) 1, 3 and 4 only

(c) 2, 4 and 5 only

(d) 1, 2, 3, 4 and 5

11. With reference to the Delimitation Commission consider the following statements:

1. The orders of the Delimitation Commission cannot be challenged in a Court of Law.
2. When the orders of the Delimitation Commission are laid before the Lok Sabha or State Legislative Assembly, they cannot effect any modification in the orders.

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
- 12.** The concept of carbon credit originated from which one of the following?
- (a) Earth Summit, Rio de Janeiro
 - (b) Kyoto Protocol
 - (c) Montreal Protocol
 - (d) G-8 Summit, Heiligendamm
- 13.** Which of the following are the reasons/factors for exposure to benzene pollution?
1. Automobile exhaust
 2. Tobacco smoke
 3. Wood burning
 4. Using varnished wooden furniture

5. Using products made of polyurethane

Select the correct answer using the code given below:

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

- 14.** Consider the following statements regarding Benzene

1. It evaporates quickly when exposed to air.
2. It is used to make plastics, furniture etc.
3. It is formed from volcanoes and forest fires

Select the correct answer using the code given below:

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

- 15.** Which one of the following groups of plants was domesticated in the 'New

World' and introduced into the 'Old World'?

- (a) Tobacco, cocoa and rubber
- (b) Tobacco, cotton and rubber
- (c) Cotton, coffee and sugarcane
- (d) Rubber, coffee and wheat

16. Consider the following statements

- 1. Permanent Snowfields like those of Alps or Himalayas are absent in Siberian Taiga.
- 2. In Siberian Taiga the snow provides moisture for vegetation when it melts in Spring.

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.

17. Silent Valley national park is located in

- (a) Karnataka
- (b) Kerala
- (c) Tamil Nadu
- (d) Andhra Pradesh

18. Consider the following statements

- 1. Blue hydrogen is produced by electrolysis of water using renewable energy.
- 2. Grey hydrogen is produced from natural gas where the associated emissions are released to the air.

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.

19. Consider the following statements regarding 'Purchasing Managers Index'

- 1. It is an index of the prevailing direction of economic trends in the manufacturing and service sectors.
- 2. If the PMI of the previous month is higher than the PMI of the current month, it represents that the economy is Expanding.

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.

20. Consider the following statements regarding National Single Window System

1. The platform was launched by the Ministry of finance.
2. It is a one-stop digital platform that aims at allowing investors to apply for various pre-operations approvals

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.

21. With reference to the religious practices in India, the "Sthanakvasi" sect belongs to

- (a) Buddhism
- (b) Jainism
- (c) Vaishnavism

(d) Shaivism

22. With reference to the religious history of India, consider the following statements:

1. Sautrantika and Sammitiya were the sects of Jainism.
2. Sarvastivadin held that the constituents of phenomena were not wholly momentary, but existed forever in a latent form.

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

23. With reference to the history of ancient India, which of the following was/were common to both Buddhism and Jainism?

1. Avoidance of extremities of penance and enjoyment
2. Indifference to the authority of the Vedas
3. Denial of efficacy of rituals

Select the correct answer using the codes given below:

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

24. Anekantavada is a core theory and philosophy of which one of the following?

- (a) Buddhism
- (b) Jainism
- (c) Sikhism
- (d) Vaishnavis

25. Consider the following statements

1. Prasar Bharati is a statutory autonomous body.
2. BIND scheme provides financial support to Prasar Bharati for expenses related to expansion and upgradation of its broadcasting infrastructure
3. BIND is an Central sector scheme.

Select the correct answer using the code given below:

- (a) 1 only.

(b) 2 and 3.

(c) 1 and 3.

(d) All the above.

26. Hydrogen fuel cell vehicles produce one of the following as "exhaust"

- (a) NH₃
- (b) CH₄
- (c) H₂O
- (d) H₂O₂

27. Consider the following statements regarding Khadi and Village Industries Commission

1. KVIC is a statutory body established under the Khadi and Village Industries Commission Act, 1956.
2. It functions under the Ministry of Micro, Small and Medium Enterprises.

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.

28. Atal Innovation Mission is set up

- under the
- (a) Department of Science and Technology
 - (b) Ministry of Labour and Employment
 - (c) NITI Aayog
 - (d) Ministry of Skill Development and Entrepreneurship

29. Consider the following statements regarding National Medical Commission

- 1. The National Medical Commission (NMC) is a statutory body
- 2. It has been constituted by an act of Parliament
- 3. It is a regulatory body for the medical education sector in India.

Select the correct answer using the code given below:

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

30. Consider the following statements

- 1. M3 and M4 are known as narrow money.
- 2. M3 is the most commonly used measure of money supply.
- 3. M1 is most liquid and easiest for transactions whereas M4 is least liquid of all.

Select the correct answer using the code given below:

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

31. The well-known painting "Bani Thani" belongs to the

- (a) Bundi school
- (b) Jaipur school
- (c) Kangra school
- (d) Kishangarh school

32. Which of the following measures would result in an increase in the money supply in the economy?

- 1. Purchase of government securities from the public by the Central Bank
- 2. Deposit of currency in commercial banks by the public
- 3. Borrowing by the government from the Central Bank

4. Sale of government securities to the public by the Central Bank

Select the correct answer using the codes given below:

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

33. If you withdraw ₹1,00,000 in cash from your Demand Deposit Account at your bank, the immediate effect on aggregate money supply in the economy will be
- (a) to reduce it by ₹1,00,000
 - (b) to increase it by ₹1,00,000
 - (c) to increase it by more than ₹1,00,000
 - (d) to leave it unchanged

34. Consider the following statements
- 1. Fresco painting is a part of Mural painting
 - 2. Vinaya Pitaka has evidences of

mural paintings.

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

35. Kalamkari painting refers to
- (a) a hand-painted cotton textile in South India
 - (b) a handmade drawing on bamboo handicrafts in North-East India
 - (c) a block-painted woollen cloth in Western Himalayan region of India
 - (d) a hand-painted decorative silk cloth in NorthWestern India

36. Consider the following:

- 1. Carbon dioxide
- 2. Oxides of Nitrogen
- 3. Oxides of Sulphur

Which of the above is/are the emission/emissions from coal

combustion at thermal power plants?

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

37. Which among the following are components of fly ash?

1. Beryllium.
2. Aluminium oxide.
3. Calcium oxide.
4. Ferric oxide.

Select the correct answer using the code given below:

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

38. Consider the following historical places:

1. Ajanta Caves
2. Lepakshi Temple
3. Sanchi Stupa

Which of the above places is/are also known for mural paintings?

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

39. With reference to 'fly ash' produced by the power plants using coal as fuel, which of the following statements is/are correct?

1. Fly ash can be used in the production of bricks for building construction.
2. Fly ash can be used as a replacement for some of the Portland cement contents of concrete.
3. Fly ash is made up of silicon dioxide and calcium oxide only, and does not contain any toxic elements.

Select the correct answer using the code given below:

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

40. We adopted parliamentary democracy based on the British

model, but how does our model differ from that model?

1. As regards legislation, the British Parliament is supreme or sovereign but in India, the power of the Parliament to legislate is limited.
2. In India, matters related to the constitutionality of Amendment of an Act of the Parliament are referred to the Constitution Bench by the Supreme Court.

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

41. With reference to the religious history of India, consider the following statements:

1. Sautrantika and Sammitiya were the sects of Jainism.
2. Sarvastivadin held that the constituents of phenomena were not wholly momentary, but existed forever in a latent form.

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

42. There are only two known examples of cave paintings of the Gupta period in ancient India. One of these is paintings of Ajanta caves. Where is the other surviving example of Gupta paintings?

- (a) Bagh caves
- (b) Ellora caves
- (c) Lomas Rishi cave
- (d) Nasik caves

43. With reference to the history of ancient India, which of the following was/were common to both Buddhism and Jainism?

1. Avoidance of extremities of penance and enjoyment
2. Indifference to the authority of the Vedas
3. Denial of efficacy of rituals

Select the correct answer using the codes given below:

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

(d) 1, 2 and 3

44. Anekantavada is a core theory and philosophy of which one of the following?

(a) Buddhism

(b) Jainism

(c) Sikhism

(d) Vaishnavism

45. Consider the following activities:

1. Spraying pesticides on a crop field
2. Inspecting the craters of active volcanoes
3. Collecting breath samples from spouting whales for DNA analysis

At the present level of technology, which of the above activities can be successfully carried out by using drones?

(a) 1 and 2 only

(b) 2 and 3 only

(c) 1 and 3 only

(d) 1, 2 and 3

46. What is/are the recent policy

initiative(s) of Government of India to promote the growth of manufacturing sector?

1. Setting up of National Investment and Manufacturing Zones
2. Providing the benefit of 'single window clearance'
3. Establishing the Technology Acquisition and Development Fund

Select the correct answer using the codes given below:

(a) 1 only

(b) 2 and 3 only

(c) 1 and 3 only

(d) 1, 2 and 3

47. Consider the following statements:

1. Between Census 1951 and Census 2001, the density of the population of India has increased more than three times.
2. Between Census 1951 and Census 2001, the annual growth rate (exponential) of the population of India has doubled.

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

48. What is/are the recent policy initiative(s) of Government of India to promote the growth of manufacturing sector?

1. Setting up of National Investment and Manufacturing Zones
2. Providing the benefit of 'single window clearance'
3. Establishing the Technology Acquisition and Development Fund

Select the correct answer using the codes given below:

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

49. With reference to the provisions made under the National Food Security Act, 2013, consider the following statements:

1. The families coming under the

category of 'below poverty line (BPL)' only are eligible to receive subsidised food grains

2. The eldest woman in a household, of age 18 years or above, shall be the head of the household for the purpose of issuance of a ration card.
3. Pregnant women and lactating mothers are entitled to a 'take-home ration' of 1600 calories per day during pregnancy and for six months thereafter.

Which of the statements given above is/are correct?

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

50. Which of the following provisions of the Constitution does India have a bearing on Education?

1. Directive Principles of State Policy
2. Rural and Urban Local Bodies
3. Fifth Schedule
4. Sixth Schedule
5. Seventh Schedule

Select the correct answer using the codes given below:

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

51. Consider the following statements:

1. In tropical regions, Zika virus disease is transmitted by the same mosquito that transmits dengue.
2. Sexual transmission of Zika virus disease is possible.

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

52. With reference to Indian elephants, consider the following statements:

1. The leader of an elephant group is a female.
2. The maximum gestation period can be 22 months.
3. An elephant can normally go on calving till the age of 40 years only.
4. Among the States in India, the highest elephant population is

in Kerala.

Which of the statements given above is/are correct?

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

53. Which of the following Protected Areas are located in Cauvery basin?

1. Nagarhole National Park
2. Papikonda National Park
3. Sathyamangalam Tiger Reserve
4. Wayanad Wildlife Sanctuary

Select the correct answer using the code given below:

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

54. Consider the following pairs:
National Park River flowing through the Park

1. Corbett National Park : Ganga
2. Kaziranga National Park : Manas
3. Silent Valley National Park : Kaveri

Which of the above pairs is/are correctly matched?

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

- 55.** Kilauea volcano is located in
- (a) Hawaii
 - (b) Japan
 - (c) Indonesia
 - (d) New zealand
- 56.** Which one of the following is not a feature of Indian federalism?
- (a) There is an independent judiciary in India.
 - (b) Powers have been clearly divided between the Centre and the States.
 - (c) The federating units have been given unequal representation in the Rajya Sabha.

(d) It is the result of an agreement among the federating units.

- 57.** 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
- 58.** Which one of the following is associated with the issue of control and phasing out of the use of ozone depleting substances?
- (a) Bretton Woods Conference
 - (b) Montreal Protocol
 - (c) Kyoto Protocol
 - (d) Nagoya Protocol
- 59.** Consider the following statements:
Chlorofluorocarbons, known as ozone-depleting substances, are used
1. in the production of plastic foams
 2. in the production of tubeless tyres
 3. in cleaning certain electronic components
 4. as pressurizing agents in

aerosol cans

Which of the statements given above is/are correct?

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

60. Which one of the following protected areas is well-known for the conservation of a sub-species of the Indian swamp deer (Barasingha) that thrives well on hard ground and is exclusively graminivorous?

- (a) Kanha National Park
- (b) Manas National Park
- (c) Mudumalai Wildlife Sanctuary
- (d) Tal Chhapar Wildlife Sanctuary

61. Which of the following provisions of the Constitution of India have a bearing on Education?

- 1. Directive Principles of State Policy
- 2. Rural and Urban Local Bodies
- 3. Fifth Schedule
- 4. Sixth Schedule

5. Seventh Schedule

Select the correct answer using the codes given below:

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

62. Biodiversity forms the basis for human existence in the following ways :

- 1. Soil formation
- 2. Prevention of soil erosion
- 3. Recycling of waste
- 4. Pollination of crops

Select the correct answer using the codes given below:

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

63. The provisions in Fifth Schedule and Sixth Schedule in the Constitution of India are made in order to
(a) protect the interests of Scheduled

Tribes

(b) determine the boundaries between States

(c) determine the powers, authority and responsibilities of Panchayats

(d) protect the interests of all the border States

64. Which of the following are the objectives of 'National Nutrition Mission'?

1. To create awareness relating to malnutrition among pregnant women and lactating mothers.
2. To reduce the incidence of anaemia among young children, adolescent girls and women.
3. To promote the consumption of millets, coarse cereals and unpolished rice.
4. To promote the consumption of poultry eggs.

Select the correct answer using the code given below:

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

65. 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

66. Other than the Fundamental Rights, which of the following parts of the Constitution of India reflect/ reflects the principles and provisions of the Universal Declaration of Human Rights (1948)?

1. Preamble
2. Directive Principles of State Policy
3. Fundamental Duties

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

67. Consider the following statements:

1. The Food Safety and Standards Act, 2006 replaced the Prevention of Food Adulteration Act, 1954.
2. The Food Safety and Standards Authority of India (FSSAI) is under the charge of Director General of Health Services in the Union Ministry of Health and Family Welfare.

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

68. Consider the following statements:

1. The Constitution of India defines its 'basic structure' in terms of federalism, secularism, fundamental rights and democracy.
2. The Constitution of India provides for 'judicial review' to safeguard the citizens' liberties and to preserve the ideals on

which the Constitution is based.

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

69. Scientists observed the merger of giant 'blackholes' billions of light-years away from the Earth. What is the significance of this observation?

- (a) 'Higgs boson particles' were detected.
- (b) 'Gravitational waves' were detected.
- (c) Possibility of inter-galactic space travel through 'wormhole' was confirmed.
- (d) It enabled the scientists to understand 'singularity'

70. 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 the Ramsar Convention.
2. It works at the field level to develop and mobilize knowledge and use practical experience to advocate for better policies.

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

- 71.** Which of the following gives 'Global Gender Gap Index' ranking to the countries of the world?
- (a) World Economic Forum
 - (b) UN Human Rights Council
 - (c) UN Women
 - (d) World Health Organization
- 72.** Who among the following is the founder of World Economic Forum?
- (a) Klaus Schwab
 - (b) John Kenneth Galbraith
 - (c) Hobert Zoellick

(d) Paul Krugman

- 73.** The Global Competitiveness Report is published by the
- (a) International Monetary Fund
 - (b) United Nations Conference on Trade and Development
 - (c) World Economic Forum
 - (d) World Bank
- 74.** In the cities of our country, which among the following atmospheric gases are normally considered in calculating the value of Air Quality Index?
1. Carbon dioxide
 2. Carbon monoxide
 3. Nitrogen dioxide
 4. Sulfur dioxide
 5. Methane

Select the correct answer using the code given below:

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

75. There has been a concern over the short supply of a group of elements called 'rare earth metals'. Why?

1. China, which is the largest producer of these elements, has imposed some restrictions on their export.
2. Other than China, Australia, Canada and Chile, these elements are not found in any country.
3. Rare earth metals are essential for the manufacture of various kinds of electronic items and there is a growing demand for these elements.

Which of the statements given above is/are correct?

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

76. Which of the following are the reasons for the occurrence of multi-drug resistance in microbial pathogens in India?

1. Genetic predisposition of some people
2. Taking incorrect doses of antibiotics to cure diseases
3. Using antibiotics in livestock farming
4. Multiple chronic diseases in

some people

Select the correct answer using the code given below.

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

77. Right to vote and to be elected in India is a

- (a) Fundamental Right
- (b) Natural Right
- (c) Constitutional Right
- (d) Legal Right

78. Which one of the following is likely to be the most inflationary in its effect?

- (a) Repayment of public debt
- (b) Borrowing from the public to finance a budget deficit
- (c) Borrowing from the banks to finance a budget deficit
- (d) Creation of new money to finance a budget deficit

79. Consider the following statements:

1. The Fiscal Responsibility and Budget Management (FRBM) Review Committee Report has recommended a debt to GDP ratio of 60% for the general (combined) government by 2023, comprising 40% for the Central Government and 20% for the State Governments.
2. The Central Government has domestic liabilities of 21% of GDP as compared to that of 49% of GDP of the State Governments.
3. As per the Constitution of India, it is mandatory for a State to take the Central Government's consent for raising any loan if the former owes any outstanding liabilities to the latter.

Which of the statements given above is/are correct?

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

- 80.** Which of the following is/are included in the capital budget of the Government of India?

1. Expenditure on acquisition of assets like roads, buildings, machinery, etc.
2. Loans received from foreign

governments

3. Loans and advances granted to the States and Union Territories

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

- 81.** According to India's National Policy on Biofuels, which of the following can be used as raw materials for the production of biofuels?

1. Cassava
2. Damaged wheat grains
3. Groundnut seeds
4. Horse gram
5. Rotten potatoes
6. Sugar beet

Select the correct answer using the code given below:

- (a) 1, 2, 5 and 6 only
- (b) 1, 3, 4 and 6 only
- (c) 2, 3, 4 and 5 only
- (d) 1, 2, 3, 4, 5 and 6

82. Consider the following statements:

The Mangalyaan launched by ISRO

1. Is also called the Mars Orbiter Mission
2. made India the second country to have a spacecraft orbit the Mars after USA
3. made India the only country to be successful in making its spacecraft orbit the Mars in its very first attempt

Which of the statements given above is/are correct?

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

83. Which one of the following is not a site for in-situ method of conservation of flora?

- (a.) Biosphere Reserve
- (b.) Botanical Garden
- (c.) National Park
- (d.) Wildlife Sanctuary

84. Consider the following statements:

1. Biodiversity is normally greater in the lower latitudes

as compared to the higher latitudes.

2. Along the mountain gradients, biodiversity is normally greater in the lower altitudes as compared to the higher altitudes.

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

85. Three of the following criteria have contributed to the recognition of Western Ghats-Sri Lanka and Indo-Burma regions as hotspots of biodiversity:

1. Species richness
2. Vegetation density
3. Endemism
4. Ethno-botanical importance
5. Threat perception
6. Adaptation of flora and fauna to warm and humid conditions

Which three of the above are correct criteria in this context?

- (a.) 1, 2 and 6

(b.) 2, 4 and 6

(c.) 1, 3 and 5

(d.) 3, 4 and 6

- 86.** Two important rivers — one with its source in Jharkhand (and known by a different name in Odisha), and another, with its source in Odisha — merge at a place only a short distance from the coast of Bay of Bengal before flowing into the sea. This is an important site of wildlife and biodiversity and a protected area.

Which one of the following could be this?

- (a.) Bhitarkanika
- (b.) Chandipur-on-sea
- (c.) Gopalpur-on-sea
- (d.) Simlipal

- 87.** A sandy and saline area is the natural habitat of an Indian animal species. The animal has no predators in that area but its existence is threatened due to the destruction of its habitat. Which one of the following could be that animal?

- (a.) Indian wild buffalo
- (b.) Indian wild ass
- (c.) Indian wild boar
- (d.) Indian gazelle

- 88.** The Himalayan Range is Very rich in species diversity. Which one among the following is the most appropriate reason for this phenomenon?

- (a.) It has a high rainfall that supports luxuriant vegetative growth
- (b.) It is a confluence of different biogeographical zones
- (c.) Exotic and invasive species have not been introduced in this region
- (d.) It has less human interference

- 89.** What is the importance of bio-based asphalt (bioasphalt)?

1. Unlike traditional asphalt, bioasphalt is not based on fossil fuels.
2. Bioasphalt can be made from non-renewable resources.
3. Bioasphalt can be made from organic waste materials.
4. It is eco-friendly to use bioasphalt for surfacing of the roads.

Which of the statements given above are correct?

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

(d.) 1, 2, 3 and 4

90. Consider the following:

1. Carbon dioxide
2. Oxides of Nitrogen
3. Oxides of Sulphur

Which of the above is/are the emission/ emissions from coal combustion at thermal power plants?

(a.) 1 only

(b.) 2 and 3 only

(c.) 1 and 3 only

(d.) 1, 2 and 3

91. Consider the following statements

1. Xenobots are known to be the first living robot, were created from the stem cells of the African clawed frog
2. It can be programmed using artificial intelligence.

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.

92. Consider the following statements regarding Gross Fiscal Deficit

1. It is calculated by subtracting total revenue from total expenditure.
2. A decrease in GFD is generally considered a positive sign as it indicates that the state government is able to balance its revenue and expenditure more effectively.

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

93. In which one among the following categories of protected areas in India are local people not allowed to collect and use the biomass?

(a) Biosphere Reserves

(b) National Parks

(c) Wetlands declared under Ramsar Convention

(d) Wildlife Sanctuaries

- 94.** On which one of the following rivers is the Tehri Hydropower Complex located?
- (a) Alaknanda
 - (b) Bhagirathi
 - (c) Dhauliganga
 - (d) Mandakini
- 95.** Military exercise 'INDRA' is conducted between
- (a) India - Russia
 - (b) India - USA
 - (c) India - UK
 - (d) India - France
- 96.** Eastern Bridge is military exercise conducted between
- (a) India - Oman
 - (b) India - Qatar
 - (c) India - UAE
 - (d) India - Saudi Arabia
- 97.** Which of the following is not a member of 'Gulf Cooperation Council'?
- (a) Iran
 - (b) Saudi Arabia
 - (c) Oman

(d) Kuwait

- 98.** Due to improper/indiscriminate disposal of old and used computers or their parts, which of the following are released into the environment as e-waste?
- 1. Beryllium
 - 2. Cadmium
 - 3. Chromium
 - 4. Heptachlor
 - 5. Mercury
 - 6. Lead
 - 7. Plutonium

Select the correct answer using the codes given below:

- (a) 1, 3, 4, 6 and 7 only
- (b) 1, 2, 3, 5 and 6 only
- (c) 2, 4, 5 and 7 only
- (d) 1, 2, 3, 4, 5, 6 and 7

- 99.** Consider the following statements:
- 1. In India, the Himalayas are spread over five States only.
 - 2. Western Ghats are spread over five States only.
 - 3. Pulicat Lake is spread over two States only.

Which of the statements given above is/are correct?

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

100. 'Gadgil Committee Report' and 'Kasturirangan Committee Report' are related to

- (a) constitutional reforms
- (b) Ganga Action Plan
- (c) linking of rivers
- (d) protection of Western Ghats

101. Consider the following statements regarding Mercury

1. It is released into the atmosphere through forest fires.
2. It is the only metal which remains liquid at room temperature.

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.

102. Consider the following statements regarding PRASHAD Scheme

1. It is a Central Sector Scheme with complete financial assistance by the Government of India.
2. It is under Ministry of Tourism.

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.

103. 'Global Gender Gap Index' is released by

- (a) World Economic Forum
- (b) UN Human Rights Council
- (c) UN Women
- (d) World Health Organization

104. Global Competitiveness Report is released by

- (a) International Monetary Fund

(b) United Nations Conference on Trade and Development

(c) World Economic Forum

(d) World Bank

105. Consider the following statements regarding Star Tortoise

1. Star Tortoise are naturally found in India
2. It is given Schedule IV protection of Wild Life Protection Act 1972

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.

106. Global Competitiveness Report is released by

(a) World Economic Forum

(b) UN Human Rights Council

(c) UN Women

(d) World Health Organization

107. The term 'transcriptome', refers to

(a) a range of enzymes used in

genome editing

(b) the full range of mRNA molecules expressed by an organism

(c) the description of the mechanism of gene expression

(d) a mechanism of genetic mutations taking place in cells

108. Consider the following statements:

1. As per recent amendment to the Indian Forest Act, 1927, forest dwellers have the right to fell the bamboos grown on forest areas.
2. As per the Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006, bamboo is a minor forest produce.
3. The Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 allows ownership of minor forest produce to forest dwellers.

Which of the statements given above is/are correct?

(a) 1 and 2 only

(b) 2 and 3 only

(c) 3 only

(d) 1, 2 and 3

- 109.** Right to property from the list was removed of Fundamental Rights during
- (a) Indhira Gandhi Government
 - (b) Morarji Desai Government
 - (c) Gulzari Lal Nanda Government
 - (d) Emergency period

- 110.** Consider the following statements:
- 1. Adenoviruses have single-stranded DNA genomes whereas retroviruses have double-stranded DNA genomes.
 - 2. Common cold is sometimes caused by an adenovirus whereas AIDS is caused by a retrovirus.

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
- 111.** Consider the following statements regarding Press Council of India
- 1. It is a quasi-judicial

- autonomous authority.
- 2. It is the only body to exercise authority even over the instruments of the State

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.

- 112.** Consider the following statements regarding Measles

- 1. It is a viral disease.
- 2. It is caused by a single-stranded, enveloped RNA.
- 3. It is particularly dangerous for adults over the age 60.

Select the correct answer using the code given below:

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

- 113.** Global Risk Report is published by

- (a) World Economic Forum
- (b) UN Human Rights Council
- (c) UN Women
- (d) World Health Organization

114. During the Indian Freedom Struggle, who of the following raised an army called 'Free Indian Legion'?

- (a) Lala Hardayal
- (b) Rashbehari Bose
- (c) Subhas Chandra Bose
- (d) V.D. Savarkar

115. Which of the following statements are correct regarding Somnath Temple?

1. Somnath Temple is one of the Jyotirlinga shrines.
2. A description of Somnath Temple was given by Al-Biruni.
3. Pran Pratishtha of Somnath Temple (installation of the present day temple) was done by President S. Radhakrishnan.

Select the correct answer using the code given below:

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

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

116. Consider the following statements regarding 'Yamanika Tirtha temple'

1. It is a part of Char Dham pilgrimages.
2. It is built in 13th century by King Narasimhadeva I

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

117. Consider the following statements regarding Norovirus

1. It leads to gastrointestinal illness.
2. Steaming food or chlorinating water does kill the Norovirus.
3. There is no specific treatment available to cure the virus

Select the correct answer using the code given below:

- (a) 1 and 2.
- (b) 2 and 3.

(c) 1 and 3.

(d) 1, 2 and 3.

118. Which among the following is used by WEF to assess gender gap in a country

1. Economic participation.
2. Political participation.
3. Health.
4. Education levels.

Select the correct answer using the code given below:

(a) 1, 2 and 3.

(b) 2, 3 and 4.

(c) 1, 2 and 4.

(d) 1, 2, 3 and 4.

119.

Match list-I with list-II:

Wetlands States

- A. Karikili Bird Sanctuary 1. Kerala
B. Pala Wetland 2. Chhattisgarh
C. Pichavaram Mangrove 3. Tamil Nadu
D. Sakhya Sagar 4. Madhya Pradesh

How many pairs are correctly

matched.

(a) Only One Pair

(b) Only Two Pair

(c) Only Three Pair

(d) Only Four Pair

120.

Consider the following statements about Kala Azar or Black fever disease:

1. It's a protozoan parasitic disease spreaded by sandfly bites.
2. The government aimed to eliminate the disease in India by 2015, but that deadline was missed.

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.

121. Gahirmatha Marine Sanctuary is located in

- (a) Odisha
- (b) Telangana
- (c) Andhra Pradesh
- (d) Assam

122. Consider the following statements regarding Indian Star Tortoise

1. They are mainly found in the warm waters of the Pacific, Atlantic and Indian oceans.
2. They are best known for their unique mass nesting called Arribada

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.

123. Consider the following statements regarding Molecular clouds

1. These clouds have very High temperatures.
2. They are the raw material of stars and planets.

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.

124. 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 code given below.

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

125. Which of the following have coral reefs?

1. Andaman and Nicobar Islands
2. Gulf of Kutch
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

126. Consider the following statements regarding Soft Corals

1. They extract calcium carbonate from seawater to build white coral exoskeletons.
2. Soft corals are typically found in deeper waters

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.

127. "Biorock technology" refers to

(a) Restoration of damaged coral reefs

(b) Development of building materials using plant residue

(c) Identification of areas for exploration/extraction of shale gas

(d) Providing salt licks for wild

animals in forests/protected areas

128. Which of the following have species that can establish a symbiotic relationship with other organisms?

1. Cnidarians
2. Fungi
3. Protozoa

Select the correct answer using the code given below.

(a) 1 and 2 only

(b) 2 and 3 only

(c) 1 and 3 only

(d) 1, 2 and 3

129. Consider the following statements:

1. Most of the world's coral reefs are in tropical waters.
2. More than one-third of the world's coral reefs are located in the territories of Australia, Indonesia and Philippines.
3. Coral reefs host far more number of animal phyla than those hosted by tropical rainforests.

Which of the statements given above is/are correct?

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

130. 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

131. Consider the following statements

1. After the body is exposed to a virus for the first time, it produces memory B cells.
2. When a similar, not identical, variant of the virus is encountered by the body the immune system will generate

new B cells..

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.

132. 'Etikoppaka' is a place which is recently seen in news is located in

- (a) Andhra Pradesh
- (b) Telangana
- (c) Karnataka
- (d) Kerala

133. kelp' refers to

- (a) Blue algae.
- (b) Green algae.
- (c) Brown algae.
- (d) None of the Above.

134. Kishanganga Hydroelectric Project is located in

- (a) Jammu & Kashmir
- (b) Himachal Pradesh
- (c) Arunachal Pradesh
- (d) Uttarakhand

135. Consider the following statements regarding 'Changpa' community of India

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

136. Consider the following statements regarding Pallas's cat

1. Its core populations are in Iran & Turkey.
2. It is classified as Least concern in IUCN Red list

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.

137.

Lake Chad is bordered by which of the following countries

1. Chad
2. Cameroon
3. Niger
4. Nigeria

Select the correct answer using the code given below:

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

138.

The word Swaraj was used for the first time in the Calcutta session of INC in 1906. Who presided this session? (a) Rash Behari Bose

- (b) Rash Behari Ghosh
(c) Bhupendranath Bose
(d) Dadabai Naoroji

139.

Who led a Muslim delegation called Shimla delegation in 1906 to Lord Minto to demand separate electorate for Muslims? (a) Sir Syed Ali Imam

- (b) M.A.Jinnah

(c) Agha khan

(d) S.A.Khan

140.

Which of the following is not connected with the reign of Curzon?

(a) Flag waiving commission to Persian Gulf

(b) Agricultural institute at Pusa in Bihar

(c) Kaziranga Sanctuary

(d) S.P.Sinha appointed as Executive Council Member.

141. Consider the following statements regarding Black vultures

1. They are most abundant at High elevations.

2. They are classified as Least Concern in IUCN Red list

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.

142. Consider the following statements regarding Nitrate radicals

1. Nitrate radical is an oxide of nitrogen that consists of three oxygen atoms bound to a nitrogen atom.

2. These radicals could increase the amount of unhealthy ozone and PM2.5 fine particulate matter in the atmosphere.

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.

143. Consider the following statements

1. Afghanistan.

2. Belarus.

3. Iran.

4. Mongolia.

5. Kazakhstan.

Which of the following countries are observer states of Shanghai Cooperation Organization.

(a) 1, 2, 4 and 5

(b) 1, 2, 3, and 4

(c) 2, 3, 4 and 5

(d) 1, 2, 4 and 5

144. Consider the following statements

1. The Ramcharitmanas was written in the 16th century in the Awadhi dialect.
2. Ramcharitmanas was written by Ram Bola Dubey.

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.

145. Namdapha National Park is located in

(a) Arunachal Pradesh.

(b) Meghalaya.

(c) Odisha.

(d) Assam.

146. Buxa Tiger Reserve is located in

(a) West Bengal

(b) Jharkhand

(c) Mizoram

(d) Chhattisgarh

147. The function of heavy water in a nuclear reactor is to

(a) Slow down the speed of neutrons

(b) Increase the speed of neutrons

(c) Cool down the reactor

(d) Stop the nuclear reaction

148. A particular State in India has the following characteristics:

1. It is located on the same latitude which passes through northern Rajasthan.

2. It has over 80% of its area under forest cover.

3. Over 12% of forest cover constitutes the Protected Area Network in this State.

Which one among the following States has all the above characteristics?

(a) Arunachal Pradesh

(b) Assam

(c) Himachal Pradesh

(d) Uttarakhand

149. Consider the following minerals:

1. Bentonite
2. Chromite
3. Kyanite
4. Sillimanite

In India, which of the above is/are officially designated as major minerals?

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

150. Consider the following statements

1. Indus
2. Chenab
3. Jhelum
4. Beas

Which of the following rivers allocated to Pakistan for unrestricted use, barring certain non-consumptive, agricultural and domestic uses by India

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

1.	a
2.	c
3.	c
4.	d
5.	c
6.	c
7.	b
8.	c
9.	d
10.	b
11.	c
12.	b
13.	a
14.	d
15.	a
16.	c
17.	b
18.	b
19.	b
20.	b
21.	a
22.	b
23.	b
24.	b
25.	d

26.	c
27.	a
28.	c
29.	d
30.	b
31.	a
32.	c
33.	d
34.	c
35.	a
36.	d
37.	d
38.	b
39.	a
40.	c
41.	b
42.	b
43.	a
44.	b
45.	d
46.	d
47.	d
48.	d
49.	b
50.	d
51.	c

52.	a
53.	c
54.	d
55.	a
56.	d
57.	c
58.	b
59.	c
60.	a
61.	d
62.	d
63.	a
64.	a
65.	a
66.	d
67.	a
68.	d
69.	b
70.	b
71.	a
72.	a
73.	c
74.	b
75.	c
76.	b
77.	c

78.	d
79.	c
80.	d
81.	a
82.	c
83.	b
84.	c
85.	c
86.	a
87.	b
88.	b
89.	b
90.	d
91.	c
92.	c
93.	b
94.	b
95.	a
96.	a
97.	a
98.	b
99.	b
100.	d
101.	c
102.	c
103.	a

104.	c
105.	c
106.	a
107.	b
108.	b
109.	b
110.	b
111.	c
112.	a
113.	a
114.	c
115.	a
116.	a
117.	c
118.	d
119.	b
120.	c
121.	a
122.	d
123.	b
124.	d
125.	a
126.	b
127.	a
128.	d
129.	d

130.	a
131.	a
132.	a
133.	c
134.	a
135.	b
136.	b
137.	d
138.	d
139.	c
140.	d
141.	b
142.	c
143.	b
144.	c
145.	a
146.	a
147.	a
148.	a
149.	d
150.	a