

No of Questions: 120

Time: 2 ½ Hours

- Which of the following is not a biodiversity hotspot?
a) Succulent Karoo b) Wallacea
c) Cerrado d) Antigua
- Treatment for divers suffering from decompression sickness comes from:
a) Sharks b) Cetaceans
c) Polar bears d) Cobra venom
- 10-20% of the world's dry lands that have been degraded include:
1. savannahs
2. temperate forest
3. shrublands
4. deciduous grasslands
a) 1, 2 b) 1, 3
c) 1, 2, 4 d) 2, 3, 4
- Amphibians are facing unprecedented decline the world over. This has been attributed to
1. Considerable increase in amphibian predators
2. loss of habitat
3. fungal infections
4. global climate change
The correct response is:
a) 1 only b) 2, 4
c) 1, 3, 4 d) 3, 4
- An alpha-particle consists of which of the following?
a) 2 protons and 2 neutrons
b) 1 proton and 1 electron
c) 2 protons and 4 neutrons
d) 1 proton and 1 neutron
- Which one of the following is used in the preparation of antiseptic solution?
a) Potassium nitrate
b) Iodine
c) Iodine chloride
d) Potassium chloride
- The light emitted by firefly is due to
a) a radioactive substance
b) chemiluminescence process
c) a photoelectric process
d) burning of phosphorus
- Statement I:** During the setting of cement, the structure has to be cooled by spraying water.
Statement II: The constituents of cement undergo hydration during setting of cement and it is an exothermic reaction.
a) Both the statements are individually true and Statement II is the correct explanation of Statement I.
b) Both the statements are individually true but Statement II is not the correct explanation of Statement I.
c) Statement I is true, but Statement II is false.
d) Statement I is false, but Statement II is true.
- Match List I with List II and select the correct answer using the codes given below the lists.
List I List II (Acid) (Source)
A. Lactic acid - 1 Tamarind
B. Tartaric acid - 2 Orange
C. Oxalic acid - 3 Tomato
D. Citric acid - 4 Sour curd
Codes A B C D
a) 2314 b) 2134
c) 4312 d) 4132
- Which one of the following reactions is the main cause of the energy radiation from the Sun?
a) Fusion reaction
b) Fission reaction
c) Chemical reaction
d) Diffusion reaction
- Which one among the following metals is used in fireworks to make a brilliant white light?
a) Sodium b) Magnesium
c) Aluminium d) Silver
- Which of the following are the two main constituents of granite?
a) Iron and silica
b) Iron and silver
c) Silica and aluminium
d) Iron oxide and potassium
- Statement I:** During indigestion, milk of magnesia is taken to get rid of pain in the stomach.
Statement II: Milk of magnesia is a base and it neutralizes the excess acid in the stomach.
a) Both the statements are individually true and Statement II is the correct explanation of Statement I.
b) Both the statements are individually true but Statement II is not the correct explanation of Statement I.
c) Statement I is true, but Statement II is false.
d) Statement I is false, but Statement II is true.
- The bio molecules that contribute to the genetic material of cells are
a) nucleic acids b) proteins
c) lipids d) carbohydrates

15. Compound having phenyl propanoid origin is called
 a) an alkaloid b) a terpene
 c) a lignin d) a flavonoid
16. Most glasses contain about 71% by weight of
 a) silicon dioxide b) carbon dioxide
 c) sulphur dioxide d) calcium carbonate
17. Bar is a unit of which one of the following?
 a) Force b) Energy
 c) Pressure d) Frequency
18. Consider the following statements
 1. Clear sky appears blue due to poor scattering of blue wavelength of visible light.
 2. Red part of light shows more scattering than blue light in the atmosphere.
 3. In the absence of atmosphere, there would be no scattering of light and sky will look black.
 Which of the statements given above is/are correct?
 a) Only 1 b) 1 and 2
 c) Only 3 d) All of these
19. In scuba-diving, while ascending towards the water surface, there is a danger of bursting the lungs. It is because of
 a) Archimedes' principle
 b) Boyle's law
 c) Gay-Lussac's law of combining volumes
 d) Graham's law of diffusion
20. Two identical piano wires have same fundamental frequency when kept under the same tension. What will happen if tension of one of the wire is slightly increased and both the wires are made to vibrate simultaneously?
 a) Noise b) Beats
 c) Resonance d) Non-linear effects
21. The gas used in a refrigerator is
 a) cooled down on flowing
 b) heated up on flowing
 c) cooled down when compressed
 d) cooled down when expanded
22. Two layers of a cloth of equal thickness provide warmer covering than a single layer of cloth with double the thickness. Why?
 a) Because of the air encapsulated between two layers
 b) Since effective thickness of two layers is more
 c) Fabric of the cloth plays the role
 d) Weaving of the cloth plays the role
23. In respect of the difference of the gravitational force from electric and magnetic forces, which one of the following statements is true?
 a) Gravitational force is stronger than the other two.
 b) Gravitational force is attractive only, whereas the electric and the magnetic forces are attractive as well as repulsive.
 c) Gravitational force has a very short range.
 d) Gravitational force is a long range force, while the other two are short range forces.
24. Given below are two statements, one labeled as Assertion (A) and the other labeled as Reason (R):
Assertion (A) : When heat is supplied continuously to a substance, its temperature does not rise continuously.
Reason (R): During change of state, the temperature of a substance remains constant. In the context of the above two statements, which one of the following is correct ?
 a) Both A and R are true and R is the correct explanation of A.
 b) Both A and R are true but R is not the correct explanation of A.
 c) A is true but R is false.
 d) A is false but R is true.
25. In a stable nucleus the electrostatic force between protons
 a) Is equal to the nuclear force between them
 b) Is stronger than the nuclear force
 c) Is weaker than the nuclear force
 d) Does not exist
26. A tumbler, filled to the brim with water, has an ice cube floating in it. A part of the floating ice cube is above the surface of the water. What happens when the cube starts melting?
 a) Water starts spilling over.
 b) Water level remains the same.
 c) Water level starts falling.
 d) Water level first falls and then rises.
27. Consider the following statements: An ordinary light bulb has a rather short life because the
 1. Filament wire is not uniform
 2. Bulb cannot be evacuated completely
 3. Wires supporting the filament melt at high temperatures
 Which of the above statements are correct?
 a) 1 and 3 b) 2 and 3
 c) 1 and 2 d) 1, 2 and 3
28. A barrel of crude oil is equal to :
 1) 42 U.S. gallon
 2) 159 liter
 3) 100 liter
 4) 25 U.S. gallon
 Which of the above is/are correct?
 a) Only 1 b) Only 2
 c) 1 and 2 only d) 3 and 4 only

29. Assertion (a) The number of the Members of the Union Public Service Commission is preserved in the Constitution of India.

Reason (R) The Union Public Service Commission was constituted under the provisions in the Constitution of India. Codes

- a) Both A and R are true and R is the correct explanation of A
- b) Both A and R are true, but R is not the correct explanation of A
- c) A is true, but R is false
- d) A is false, but R is true

30. Match the following

List I (Schedule in the Constitution of India)

List II (Subject)

- A. Tenth Schedule -1. Languages
- B. Eighth Schedule -2. Provisions as to disqualification on the grounds of defection
- C. First Schedule -3. Validation of certain Acts and Regulations
- D. Ninth Schedule -4. The States

Codes A B C D A B C D

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

31. Consider the following statements

- 1. The Ministries Departments of the Union Government are created by the Prime Minister.
- 2. The Cabinet Secretary is the Ex-officio Chairman of the Civil Services Board.

Which of the statement given above is/are correct?

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

32. Which of the following would be construed as a reasonable restriction of the right to freedom'?

- a) When the state disallows a candidate from securing votes in the name of religion
- b) When the state disallows citizens from forming a club out of State funds that denies access to women
- c) When the Government of Nagaland disallows temporary residents to buy immovable property in Nagaland.
- d) All of the above

33. Consider the following statements with respect to the Comptroller and Auditor General of India

- 1. He shall only be removed from office in like manner and on the ground as a Judge of the Supreme Court.
- 2. He shall not be eligible for further office either under the Government of India or under the Government of any State after he has ceased to hold his office.

Which of the statements given above is/are correct?

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

DIRECTIONS: The following questions are based on the following passage. A government in a democratic country has to respond to ongoing priorities in public criticism and political reproach and to the threats to survival it has to face. The removal of long standing deprivations of the disadvantaged people of our country may, in effect, be hampered by the biases in political pressure, in particular when the bulk of the social agitation is dominated by new problems that generate immediate and noisy discontent among the middle class Indians with a voice. If the politically active threats are concentrated only on some specific new issues, no matter how important (such as high prices of consumer goods for the relatively rich, or the fear that India's political sovereignty might be compromised by its nuclear deal with the USA), rather than on the terrible general inheritance of India of acute deprivation, deficient schooling, lack of medical attention for the poor and extraordinary under nourishment (especially of children and also of young women), then the pressure on democratic governance acts relentlessly towards giving priority to only those particular new issues rather than to the gigantic persistent deprivations that are at the root of so much inequity and injustice in India. The perspective of realisation of justice and that of an adequately broad nyaya are central not only to the theory of justice, but also to the practice of democracy.

34. Zero Hour in the Indian Parliament starts at

- a) first hour of the sitting
- b) last hour of the sitting
- c) 12: 00 noon
- d) no fixed timings

35. Which one among the following is not true of the Planning Commission?

- a) It is an advisory body and makes recommendations to the Cabinet
- b) It is responsible for the execution of development programmes and plans
- c) It is responsible for formulation of a plan for the most effective and balanced utilization of the country's resources
- d) It indicates the factors which tend to retard economic development

36. With reference to the conduct of government business in the Parliament of India, the term 'closure' refers to

- a) suspension of debate at the termination of a day's sitting of the Parliament
 b) a rule of legislative procedure under which further debate on a motion can be halted
 c) the termination of a Parliamentary session
 d) refusal on the part of the Government to have the opposition look at important documents
- 37. Which one among the following statements is not correct? The word 'socialist' in the Preamble of the Constitution of India read with**
- a) Article 39
 b) would enable the court to uphold the constitutionality of nationalisation laws
 c) Article 14, would enable the court to strike down a statute which failed to achieve the socialist goal to the fullest extent
 d) Article 25, would enable the court to ensure freedom guaranteed under that Article
- 38. Which among the following provisions of the Constitution of India is/are fulfilled by the National Social Assistance Programme launched by the Government of India?**
1. Fundamental Rights
 2. Fundamental Duties
 3. Directive Principles of State Policy
- Select the correct answer using the codes given below
- a) 1 and 2 b) 1 and 3
 c) Only 3 d) All of these
- 39. Which one among the following committees of the Parliament of India has no members of the Rajya Sabha?**
- a) Public Accounts Committee
 b) Estimates Committee
 c) Public Undertakings Committee
 d) Departmentally Related Standing Committee on Finance
- 40. In the SR Bommai vs Union of India case, which one among the following features of the Constitution of India was upheld by the Supreme Court as a basic structure?**
- a) Liberalism
 b) Secularism
 c) Dignity of the human person
 d) Freedom of religion
- 41. There are provisions in the Constitution of India which empower the Parliament to modify or amend the operation of certain provisions of the Constitution without actually amending them. They include**
1. any law made under Article 2 (relating to admission or establishment of new states)
 2. any law made under Article 3 (relating to formation of new states)
- 3. amendment of First Schedule and Fourth Schedule** Select the correct answer using the codes given below
- a) 1 and 2 b) 2 and 3
 c) 2 and 3 d) None of these
- 42. In which of the following cases did the Supreme Court rule that Constitutional – Amendments were also laws under Article 13 of the Constitution of India, which could be declared void for being inconsistent with Fundamental Rights?**
- a) Keshavanand Bharati Case
 b) Golaknath Case
 c) Minerva Mills Case
 d) Maneka Gandhi Case
- 43. One of the following does not deal with atrocities on women**
- a) Bodhisattva Gautam Subra Chakroborty (1996)
 b) Chairman Railway Board Chandrima Das (2000)
 c) Maneka Gandhi Union of India (1978)
 d) Visakha State of Rajasthan (1997)
- 44. Consider the following statements: In India, a Metropolitan Planning Committee**
1. Is constituted under the provisions of the Constitution of India
 2. Prepares the draft development plans for metropolitan area
 3. Has the sole responsibility for implementing Government sponsored schemes in the metropolitan area
- Which of the statements given above is/are correct?**
- a) 1 and 2 only b) 2 only
 c) 1 and 3 only d) 1,2 and 3
- 45. Which one of the following is not a constituent of biogas?**
- a) Methane b) Carbon dioxide
 c) Hydrogen d) Nitrogen dioxide
- 46. Which of the following gases is released from rice fields in the most prominent quantities?**
- a) Carbon dioxide b) Methane
 c) Carbon monoxide d) Sulphur dioxide
- 47. In normal adult human, what is the rate of heart beat per minute?**
- a) 72-80 b) 70-75
 c) 80-97 d) 82-87
- 48. Wavelengths of which of the following colour of the visible spectrum of light are maximally absorbed by green plants?**
- a) Green and Yellow
 b) Red and Blue
 c) Green and Red

- d) Blue and Yellow
49. Which one of the following is considered normal blood pressure in man?
- 120/80 mm water
 - 120/80 mm blood
 - 120/80 mm mercury
 - 120/80 mm air
50. If excess fertilizer is applied to a plant without water, the plant will
- be stunted in growth
 - develop modifications
 - die due to plasmolysis
 - remain unaffected
51. Human body's main organ of balance is located in
- inner part of ear
 - middle part of ear
 - front part of brain
 - top part of vertebral column
52. White blood cells act
- as a defence against infection
 - as source of energy
 - as a clotting agent
 - as a medium for oxygen transport from lungs to tissues
53. Which one among the following will be absorbed fastest through the wall of digestive system?
- Black coffee as a hot beverage
 - DDT taken as a poison
 - Raw alcohol taken as a drink
 - Ice-cream as a desert
54. Vaseline was applied to both surfaces of the leaves of a plant. Which of the following process/processes would be affected?
1. Photosynthesis
 2. Respiration
 3. Transpiration
- Select the correct answer using the codes given below:
- 1 and 3
 - Only 2
 - 2 and 3
 - All of these
55. Which one among the following is the generic name of the causal organism of Elephantiasis?
- Filaria
 - Microfilaria
 - Wuchereria bancrofti
 - Culex pipiens
56. Which one of the following is not an insect borne disease?
- Beri-beri
 - Kala-azar
 - Malaria
 - Plague
57. A recent survey (by Bloomberg) shows that the USA has fallen behind emerging markets in
- Brazil, China and India as the preferred place to invest. Why is it so?**
1. Unstable economic situation of the USA which the global investors feel not likely to improve in the near future.
 2. Global investors are finding Brazil, China and India to be actually more amenable to foreign investment. Select the correct answer using the code given below
- Only 1
 - only 2
 - Both 1 and 2
 - Neither 1 nor 2
58. Which one of the following causes the chikungunia disease?
- Bacteria
 - Helminthic worm
 - Protozoan
 - Virus
59. The average fixed cost curve will always be
- a rectangular hyperbola
 - a downward sloping convex to the origin curve
 - a downward sloping straight line
 - a U-shaped curve
60. 'Inclusive growth' is a phrase used in India's
1. 9th Plan
 2. 10th Plan
 3. 11th Plan
 4. 12th Plan
- Select the correct answer using the codes given below.
- 1, 2 and 3
 - 2 and 4
 - 3 and 4
 - Only 4
61. Which one among the following is not a source of tax revenue for the Central Government in India?
- Income tax
 - Customs duties
 - Service tax
 - Motor Vehicle tax
62. The objective of agricultural price policy is:
- to ensure that the producer gets a remunerative price
 - to maintain a reasonable terms of trade between agricultural and nonagricultural sectors
 - to protect the nonproducing consumer
 - all of these
63. Which of the following functions is not performed by the Reserve Bank of India?
- It acts as banker to central and state governments under agreements signed with them.
 - It issues currency and coins of all denominations.
 - It handles the borrowing programme of state governments.
 - It maintains orderly conditions in the foreign exchange market.
64. Private sector cannot be expected to invest in public goods because:
- the returns on public goods are not attractive

- b) the problem of non-exclusion
c) cost recovery is not adequate
d) for direct return on investment
65. Government has recently allowed 100 percent Foreign Direct Investment (FDI) in many strategic sectors. Which of the following sectors has not been opened up?
a) Space b) Refinery
c) ecommerce d) Power
66. Which of the following is not part of the second generation of economic reforms identified by the government?
a) Public Sector reform
b) Legal systems reforms
c) Oil sector reforms
d) Reform of government and public institutions
67. During the 19th Century, British investment in India was confined mostly to:
a) core and infrastructure sector
b) plantation sector
c) agribusiness sector
d) textiles
68. The spread of black money is a major threat to the economic stability of the country. Among the following which may not be a reason for the spread of black money?
a) increasing defence expenditure
b) Shortage and black marketing in the 1950s and 1960s
c) The regime of economic controls which prevailed before liberalization
d) Manipulation of import export transactions
69. The 'Musalman', the handwritten daily newspaper in circulation since 1927, is published from which one of the following places?
a) Chennai b) Hyderabad
c) Mysore d) Lucknow
70. Who among the following was thrice elected President of the Indian National Congress?
a) Dadabhai Naoroji
b) Surendranath Banerjee
c) Gopal Krishna Gokhl
d) Shankaran Nair
71. Match the following
List I(Person) - List II (Satyagraha)
A. Raj Kumar Shukla - 1. Kheda Satyagraha
B. Ambalal Sarabhai - 2. Ahmedabad Mill Strike
C. Indulal Yagnik - 3. Bardoli Satyagraha
D. Vallabhbai Patel - 4. Champaran Satyagraha
Codes: ABCD
a) 3 1 2 4 b) 4 1 2 3
c) 4 2 1 3 d) 3 2 1 4
72. After the death of Raja Rammohan Roy, the Brahmo Samaj split into two sections; the Brahmo Samaj of India and the Adi Brahmo Samaj.
Who were the leaders of the two sections, respectively?
a) Keshab Chandra Sen and Debendranath Tagore
b) Radhakanta Deb and Debendranath Tagore
c) Keshab Chandra Sen and Radhakanta Deb
d) Debendranath Tagore and Radhakanta Deb
73. The Russian revolutionaries derived their ideology from the doctrines of
a) Lenin and Stalin
b) Marx and Lenin
c) Marx and Engels
d) Lenin and Engels
74. To which among the following the residuary powers were conferred by the federation established by the act of 1935?
a) Federal legislature
b) Provincial legislatures
c) Governor-General
d) Provincial Governors
75. Which of the following statements about Fourth Anglo Mysore War are correct?
1. The Madras Council suggested a policy of rigorous and intense attack on Mysore.
2. Lord Wellesley tried to revive the triple alliance.
3. Tipu sent emissaries to Arabia, Versailles, Mauritius and Kabul enlisting support against the English.
4. The war was of a very short duration though decisive.
Select the correct answer using the codes given below
a) 2, 3 and 4 b) 1, 3 and 4
c) 2 and 4 d) 1 and 3
76. The earliest Buddhist literature which deal with the stories of the various birth of Buddha are
a) Vinaya pitakas
b) Sutta pitakas
c) Abhidamma pitakas
d) Jatakas
77. Match the following
List 1 - List II
A. Iyothere Thass - 1. Satyashodhak Samaj
B. Jyotiba Phule - 2. Dravida Kazhagam
C. John Rathinam - 3. Self Respect Movement
D. E V Ramaswami - 4. Dravida Mahajana Sabha Naickar
Codes: A B C D A BCD
a) 4 2 1 3 b) 3 1 2 4

- c) 4 1 2 3 d) 3 2 1 4
- 78. The Dhamma propagated by Ashoka was**
- the tenets of Buddhism
 - a mixture of the philosophies of Ajivikas and Charvakas
 - a system of morals consistent with the tenets of most of the sects of the time
 - the religious policy of the state
- 79. Several nationalist leaders in India wrote commentaries on the Bhagvad Geeta to argue the case for an ethical foundation to Indian nationalism, who among the following is an exception to it?**
- Sri Aurobindo
 - Mahatma Gandhi
 - Bal Gangadhar Tilak
 - Ram Manohar Lohia
- 80. In the Gupta age, Varahamihira wrote the famous book, 'Brihat Samhita'. It was a treatise on**
- astronomy
 - statecraft
 - ayurvedic system of medicine.
 - economics
- 81. Which one among the following was the primary reason behind the failure of the Young Bengal Movement in Bengal?**
- It did not appeal to educated people
 - Its economic programme was not popular
 - It was too radical
 - It did not have good leaders
- 82. Consider the following statements about Syed Ahmed Khan, the founder of Muhammadan Anglo-Oriental College, Aligarh**
- He was a staunch supporter of Indian National Congress.
 - Muhammadan Anglo-Oriental College was set-up with the objective of promoting learning of Islamic education among the Muslims.
- Which of the statements given above is/are correct?**
- Only 1
 - Only 2
 - Both 1 and 2
 - Neither 1 nor 2
- 83. Which of the four linguistic regions in South India remained unaffected by the Non Cooperation Movement (1921-22)?**
- Kerala
 - Tamil Nadu
 - Andhra Pradesh
 - Karnataka
- 84. Which of the following features of the State of Arcot in 18th century South India are correct?**
- The founders of the dynasty that ruled Arcot were Daud Khan Panni and Sa'adatullah Khan.
 - Arcot became the site of a protracted struggle between the English and Dutch East India Companies from the 1740s.
 - Decentralization was a key feature of the State of Arcot in the 18th century.
 - The other major State to emerge in South India at this time was Mysore.
- Select the correct answer using the code given below:**
- 1 and 2 only
 - 1, 2 and 4
 - 3 and 4 only
 - 2 and 4 only
- 85. In which of the following State is Kakrapar Nuclear Power Station located?**
- Karnataka
 - Tamil Nadu
 - Maharashtra
 - Gujarat
- 86. Match the following List I (Pass) List II (State)**
- | | |
|--|-------------------------------------|
| A. Zoji La Pass - 1. Sikkim | B. Bara Lacha Pass - 2. Uttarakhand |
| C. Jelep La Pass - 3. Himachal Pradesh | D. Niti Pass - 4. Jammu and Kashmir |
- Codes A B C D**
- 4 1 3 2
 - 2 3 1 4
 - 4 3 1 2
 - 2 1 3 4
- 87. Which of the following factors is/are responsible for high concentration of jute mills in the Hugli basin? Select the correct answer using the code given below**
- Nearness to coal fields.
 - Convenient dry climate for spinning and weaving.
- Only 1
 - Only 2
 - Both 1 and 2
 - Neither 1 nor 2
- 88. Israel has common borders with**
- Lebanon, Syria, Jordan and Egypt
 - Turkey, Syria, Jordan and Yemen
 - Lebanon, Syria, Turkey and Jordan
 - Cyprus, Turkey, Jordan and Egypt
- 89. If the movement of the Earth's crust or a major climatic change makes an old stream young, it is called**
- consequent stream
 - rejuvenation
 - subsequent stream
 - aggradation
- 90. If the earth did not have an atmosphere, temperature extremes between day and night would**
- increase
 - decrease
 - stay the same
 - fluctuate rapidly
- 91. Which one of the following mountain ranges separates Europe from Asia?**
- Apennine
 - Black Forest
 - Ural
 - Sulaiman

- 92. Wind is often found to blow in a hot summer day due to**
- conduction of heat between air and soil on the Earth
 - radiation from the soil
 - convection current of air
 - None of the above
- 93. Why do Fold Mountains have enormous thickness of sedimentary rocks?**
- Due to deposition of sediments in a valley for millions of years
 - Due to accumulation of sediments in a geosyncline
 - The plains were folded into mountains
 - The sediments were folded into recumbent and nappe folds
- 94. Which of the following statements regarding ozone layer within the atmosphere is/are correct?**
- It absorbs most of the ultraviolet radiation found in the Sun's rays.
 - Chlorofluorocarbons are serious threat to the ozone layer. Select the correct answer using the codes given below
- Only 1
 - Only 2
 - Both 1 and 2
 - Neither 1 nor 2
- 95. The country that shares longest border with India is**
- China
 - Bangladesh
 - Nepal
 - Pakistan
- 96. Which one among the following sequences of water bodies, from lower to higher salinity concentration, is correct?**
- Gulf of California-Baltic Sea-Red Sea-Arctic sea
 - Baltic Sea-Arctic Sea-Gulf of California-Red Sea
 - Red Sea-Gulf of California-Arctic Sea-Baltic Sea
 - Arctic Sea-Gulf of California-Baltic Sea-Red Sea
- 97. Consider the following diagram North Pole Horse Latitude A Polar High Pressure Belts South Pole In the diagram given above, what does A denote?**
- Doldrums
 - Trade winds
 - Westerlies
 - Easterlies
- 98. Which one among the following is called terrestrial planet?**
- Mercury
 - Jupiter
 - Saturn
 - Uranus
- 99. Nearly 30% of the solar radiations return back to the space without contributing anything to the Earth's surface temperature. This amount of radiation is known as**
- Black body
 - tropopause
 - Earth's albedo
 - mesopause
- 100. Which one among the following states does not form part of the Narmada basin?**
- Madhya Pradesh
 - Gujrat
 - Rajasthan
 - Maharashtra
- 101. Match the following List I List II (Industrial production) (Place of production)**
- | | |
|-----------------------|----------------|
| A. Brassware | 1. Kanchipuram |
| B. Silk Sarees | 2. Lucknow |
| C. Chikkan Embroidery | 3. Muradabad |
| D. Sports Goods | 4. Jalandhar |
- Codes: A B C D
- 3 1 2 4
 - 3 2 1 4
 - 4 2 1 3
 - 4 1 2 3
- 102. A typical black hole is always specified by**
- a (curvature) singularity
 - a horizon
 - either a (curvature) singularity or a horizon
 - a charge
- 103. Which one of the following pairs is not correctly matched?**
- Hindalco Industries: Novelis
 - Tata Steel: Corus Group
 - Jet Airways: Air Sahara
 - Kingfisher Airlines: MDLR Airlines
- 104. Match the following**
- | | |
|--------------------|-------------------|
| List I (Player) | List II (Sport) |
| A. Gagan Narang | 1. Archery |
| B. Akhil Kumar | 2. Swimming |
| C. Mangal Singh | 3. Boxing |
| D. Virbhawal Khade | 4. Rifle Shooting |
- Codes A B C D
- 4 1 3 2
 - 2 3 1 4
 - 4 3 1 2
 - 2 1 3 4
- 105. Which one of the following is a medium range surface to air missile?**
- Trishul
 - Nag
 - Prithvi
 - Akash
- 106. Nearly 30% of the solar radiations return back to the space without contributing anything to the Earth's surface temperature. This amount of radiation is known as**
- Black body
 - tropopause
 - Earth's albedo
 - mesopause
- 107. Bluetooth technology allows**
- wireless communications between equipments
 - signal transmission on mobile phones only
 - landline to mobile phone communication
 - satellite television communication

108. Consider the following paragraph and identify the person referred to therein using the code given below She joined the diplomatic corps in 1949 and became the first woman diplomat of India. She was the Ambassador to Hungary, Ghana and the Netherlands.

- a) CB Muthamma
- b) Nirupama Rao
- c) Chokila Iyar
- d) Meira Kumar

109. Which one of the following is the central theme of the Chipko Movement, started by Sunderlal Bahuguna in 1973?

- a) Conservation of river water
- b) Protection of birds
- c) Protection of cheetahs
- d) Conservation of forests

110. Which one of the following dams is constructed across Krishna River?

- a) Ukai Dam
- b) Krishna Sagar Dam
- c) Srisaillam Dam
- d) Mettur Dam

111. Most of the communication satellites today are placed in a geostationary orbit. In order to stay over the same spot on the Earth, a geostationary satellite has to be directly above the

- a) Tropic of Cancer
- b) Either North or South Pole
- c) Equator
- d) Tropic of Capricorn

112. Which among the following is/are example/examples of youth unrest in India?

1. Naxalite movement
2. Anti-foreigners movement in Asom
3. Anti-Mandal Commission agitation

Select the correct answer using the codes given below

- a) 1,2 and 3
- b) 2 and 3
- c) Only 2
- d) Only 3

113. Consider the following statements

1. National Cadet Corps (NCC) is a preindependence organisation.
2. The motto of NCC is Unity and Discipline.

Which of the statements given above is/are correct?

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

114. Which one of the following states has seen a series of strong public protests against the Armed Forces Special Powers Act in force in that state?

- a) Nagaland

- b) Manipur
- c) Jammu and Kashmir
- d) Jharkhand

115. INS Vikramaditya, scheduled for induction into the Indian Navy soon, is the name given to

- a) an aircraft carrier
- b) a nuclear submarine
- c) an amphibious assault vessel
- d) a stealth ship

116. What is the name of the strait where 'Adams bridge' is situated?

- (1) Bering Strait
- (2) Cook Strait
- (3) Palk Strait
- (4) Taiwan Strait

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

117. Consider the following statements

1. Rafael Nadal won Men's Singles French Open Tennis Tournament-2013, defeating Spanish compatriot David Ferrer.

2. This is Nadal's maiden French Open title.

Which of the statements given above is/ are correct?

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

118. Which one of the following is a programme that converts high level language to machine language?

- a) Linker
- b) Assembler
- c) Interpreter
- d) Compiler

119. Which of the following statements about Marrakesh Treaty is/ are correct?

1. The main goal of the treaty is to create a set of mandatory limitations and exceptions for the benefits of the blind and visually impaired.

2. India has ratified the treaty.

3. The treaty has come into force from July 2014.

Select the correct answer using the code given below:

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

120. Which of the following statements with regard to the proposed Asian Infrastructure Investment Bank is/are correct?

1. India is one of the founding members of the Bank.

2. The Bank is to be headquartered in Shanghai.

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

**ANSWER KEY**

1.d	21.d	41.a	61.d	81.c	101.a
2.b	22.a	42.a	62.d	82.d	102.c
3.b	23.b	43.c	63.b	83.d	103.d
4.d	24.a	44.a	64.b	84.b	104.c
5.a	25.c	45.d	65.a	85.d	105.c
6.b	26.b	46.b	66.c	86.c	106.c
7.b	27.c	47.a	67.a	87.b	107.c
8.a	28.c	48.b	68.a	88.a	108.a
9.d	29.d	49.c	69.d	89.b	109.d
10.a	30.b	50.c	70.a	90.a	110.c
11.b	31.b	51.a	71.c	91.c	111.c
12.c	32.d	52.a	72.a	92.a	112.b
13.a	33.c	53.c	73.c	93.b	113.b
14.a	34.c	54.a	74.c	94.c	114.c
15.c	35.b	55.c	75.a	95.b	115.a
16.a	36.a	56.a	76.d	96.b	116.c
17.c	37.d	57.c	77.c	97.a	117.a
18.c	38.c	58.d	78.a	98.a	118.d
19.b	39.b	59.a	79.c	99.c	119.b
20.c	40.b	60.c	80.a	100.c	120.a

