

NDA 2024 (II) General Ability Test Question Paper

141 questions

This PDF is the question paper only. It does not contain the answer key or explanations.

Answers and explanations for every question are free on the website: <https://www.unlockias.in/nda-2024-ii-general-ability-test>

Q1. Select the option that is opposite in meaning to the underlined word: All human beings are fallible.

- (a) frail
- (b) erring
- (c) mortal
- (d) perfect

Q2. Select the option that is opposite in meaning to the underlined word: His words were vague.

- (a) identical
- (b) obscure
- (c) precise
- (d) imperceptible

Q3. Select the option that is opposite in meaning to the underlined word: She performed all her duties conscientiously.

- (a) assiduously
- (b) carelessly
- (c) painstakingly
- (d) scrupulously

Q4. Select the option that is opposite in meaning to the underlined word: These risks are incidental to the work of a firefighter.

- (a) essential
- (b) adventitious
- (c) serendipitous
- (d) subsidiary

Q5. Select the option that is opposite in meaning to the underlined word: She has always been disdainful of poor people.

- (a) reverential
- (b) derisive
- (c) supercilious
- (d) insolent

Q6. Most of our food comes from agriculture, so we tend to believe that it is _____ of natural biota.

- (a) independent
- (b) dependent
- (c) relevant
- (d) consequent

Q7. In nature, _____ the plants and animals are continuously subjected to the rigours of natural selection.

- (a) the
- (b) both
- (c) some
- (d) among

Q8. In nature, the plants and animals _____ to the rigours of natural selection.

- (a) had been continuously subjected
- (b) will be continuously subject
- (c) continuously subjected
- (d) are continuously subjected

Q9. Only the fittest survive. _____ wild populations have numerous traits for competitiveness, resistance to parasites,

- (a) Consequently
- (b) Inadvertently
- (c) Although
- (d) Since

Q10. Wild populations have numerous traits for competitiveness, resistance to parasites, _____

- (a) withdrawal to adverse conditions
- (b) tolerance
- (c) adaptable
- (d) compliance

Q11. Wild populations have numerous traits for competitiveness, resistance to parasites, withdrawal to adverse conditions, _____ other aspects of vigour.

- (a) and
- (b) with
- (c) by
- (d) upon

Q12. In contrast, populations grown for many _____ under the pampered conditions of agriculture tend to lose these traits.

- (a) eras
- (b) epochs
- (c) periods
- (d) generations

Q13. They tend to lose these traits because they _____ for production, not resilience.

- (a) had selected
- (b) have selected
- (c) are selected
- (d) might select

Q14. For example, a high-producing plant _____ lacks resistance to drought is

- (a) whichever
- (b) whom
- (c) that
- (d) whenever

Q15. _____ and the resistance to drought is ignored. Also, in the process of breeding plants for maximum production, all genetic variation is eliminated.

- (a) heated
- (b) irrigated
- (c) showered
- (d) deserted

Q16. Select the option that best completes the sentence: Preeti suggests _____

- (a) that I ask to your advice
- (b) that I had asked your advice
- (c) that I can have asked your advice
- (d) that I ask your advice

Q17. Select the option that best completes the sentence: We saw _____

- (a) the older of all monuments in the city
- (b) the old of all monuments in the city
- (c) the oldest monument in the city
- (d) an oldest of all monuments in the city

Q18. Select the option that best completes the sentence: Since you have been touring all day, _____

- (a) you must be tired
- (b) you ought to have been tired
- (c) you could had been tired
- (d) you might not be tired

Q19. Select the option that best completes the sentence: His condition is serious, but _____

- (a) it should be worse
- (b) it ought to be worse
- (c) it could be worse
- (d) it had been going to be worse

Q20. Select the option that best completes the sentence: I hope the bus comes soon because _____

- (a) we waited for half an hour
- (b) we have been waiting for half an hour
- (c) we waiting for half an hour
- (d) we could have been waiting for half an hour

Q21. Select the option that best completes the sentence: Someone _____

- (a) has spilt juice on the sofa
- (b) should have spilt juice on the sofa
- (c) have spilt juice on the sofa
- (d) would spilt juice on the sofa

Q22. Select the option that best completes the sentence: What would you do _____

- (a) if you found your lost toy?
- (b) if you will have found your lost toy?
- (c) if you would found your lost toy?
- (d) if you have find your lost toy?

Q23. Select the option that best completes the sentence: If I were you, _____

- (a) I shouldn't buy that dress
- (b) I wouldn't buy that dress
- (c) I weren't buying that dress
- (d) I mustn't buying that dress

Q24. Select the option that best completes the sentence: I wish _____

- (a) I could help you
- (b) I ought to help you
- (c) I did help you
- (d) I must help you

Q25. Select the option that best completes the sentence: The efforts of the security services have not been quite _____

- (a) upto the incredibility
- (b) up-take
- (c) up-tight
- (d) upto the mark

Q26. Select the option that best expresses the meaning of the idiom: 'A white lie'

- (a) An offensive way of describing something
- (b) To do something completely impossible
- (c) A lie that is absolutely and universally true
- (d) A lie that you tell to avoid hurting someone

Q27. Select the option that best expresses the meaning of the idiom: 'Bad blood'

- (a) Feelings of hatred between people
- (b) A situation which goes from bad to worse
- (c) A fatal accident
- (d) To accept the unpleasant situation

Q28. Select the option that best expresses the meaning of the idiom: 'Count your blessings'

- (a) to start to understand how badly something has affected you
- (b) an event which gradually becomes worse
- (c) to be grateful for good things in your life
- (d) something that you say in order to warn someone

Q29. Select the option that best expresses the meaning of the idiom: 'Have the last laugh'

- (a) to be the worst example of something
- (b) to succeed when others thought that you would not
- (c) to solve all the problems of life
- (d) to laugh at someone secretly

Q30. Select the option that best expresses the meaning of the idiom: 'Sit on the fence'

- (a) to make someone suddenly notice you
- (b) to fail completely
- (c) to delay making a decision
- (d) to behave very badly

Q31. Rearrange the parts P, Q, R and S to form a meaningful sentence:

P: good quality elementary education conforming

Q: as a fundamental right of all children

R: the Right to Education Act (RTE) mandates

S: to the standards and norms specified in the Act

- (a) Q S P R
- (b) R P S Q
- (c) R Q S P
- (d) S Q P R

Q32. Rearrange parts P, Q, R and S to form a meaningful sentence: (P) the conflicts and disputes in their mind / (Q) music not only relieves the burden / (R) on children and the young / (S) but also alleviates

- (a) Q R S P
- (b) P S R Q
- (c) Q P R S
- (d) P Q R S

Q33. Rearrange parts P, Q, R and S to form a meaningful sentence: (P) but it is virtually covered by a dome-shaped / (Q) Antarctica is a continent / (R) nearly twice as large as Australia / (S) ice sheet nearly 2 miles thick

- (a) Q R P S
- (b) S P R Q
- (c) Q S P R
- (d) S Q R P

Q34. Rearrange parts P, Q, R and S to form a meaningful sentence: (P) the global economic weight from the advanced economies / (Q) that there was a major shift in / (R) and Central Bank Governors, in recognition of the fact / (S) the G20 was formed in 1999, as a forum of Finance Ministers

- (a) S P Q R
- (b) P Q R S
- (c) Q R S P
- (d) S R Q P

Q35. Rearrange parts P, Q, R and S to form a meaningful sentence: (P) aquaculture nation in the world and / (Q) India's products are exported to many nations / (R) fish producing and the second largest / (S) India is the third largest

- (a) S R P Q
- (b) Q P R S
- (c) R P Q S
- (d) P Q R S

Q36. Identify the part of speech of the underlined word in the sentence (the extracted item does not mark which word is underlined): 'Adders are the only poisonous snakes found across Britain.'

- (a) Noun
- (b) Adjective
- (c) Adverb
- (d) Determiner

Q37. Identify the part of speech of the underlined word 'since' in the sentence: 'She spoke to him once since he has been in town.'

- (a) Adjective
- (b) Adverb
- (c) Conjunction
- (d) Preposition

Q38. Identify the part of speech of the underlined word 'Besides' in the sentence: 'I don't really want to go. Besides, it's too late now.'

- (a) Adjective
- (b) Adverb
- (c) Preposition
- (d) Conjunction

Q39. Identify the part of speech of the underlined word 'that' in the sentence: 'Look at that man over there.'

- (a) Adverb
- (b) Conjunction
- (c) Determiner
- (d) Article

Q40. Identify the part of speech of the underlined word: The plane is ready for take-off.

- (a) Noun
- (b) Conjunction
- (c) Verb
- (d) Gerund

Q41. What according to the passage is the 'unwelcome form of the globalization'?

1. Globalization of the diseases
2. Elusive goal of globalization
3. History of fatal diseases
4. Selective use of antibiotics

Select the correct answer using the code given below:

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

- (c) 3 only
- (d) 1 and 4

Q42. According to the passage, globalisation of health has become imperative due to

- (a) the globalisation of diseases
- (b) public health intervention
- (c) the creation of new medical systems
- (d) the indiscriminate use of antibiotics

Q43. According to the passage, resurgent diseases are affected by:

1. Medical practices
2. Overuse of antibiotics
3. Emergence of new strains

Select the correct answer using the code given below:

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

Q44. According to the passage, many new diseases are emerging due to change in land use because

- (a) humans are coming in contact with unfamiliar viruses
- (b) urbanisation makes pathogens proliferate
- (c) humans become adaptive and pass on their genes to related bacteria by way of plasmid transfer
- (d) humans are inadvertently releasing new viruses

Q45. What is the meaning of the word “epidemiology” in the passage?

- (a) The historical study of the spread of diseases
- (b) The scientific study of the spread and control of diseases
- (c) The scientific study of the invention and uses of drugs
- (d) The scientific study of the uses of drugs

Q46. Select the word that is nearest in meaning to the underlined word: Sages and seers have cautioned that the path towards enlightenment is full of illusory traps.

- (a) reasoned
- (b) admitted
- (c) warned
- (d) refused

Q47. Select the word that is nearest in meaning to the underlined word: The officer reported the details of the mission in a monotonous manner.

- (a) dull
- (b) happy
- (c) disturbed
- (d) enthusiastic

Q48. Select the option that is nearest in meaning to the underlined word: There are many elusive questions in philosophy.

- (a) clear
- (b) baffling
- (c) paramount
- (d) truthful

Q49. Select the option that is nearest in meaning to the underlined word: Cleaning this mess is a mammoth task.

- (a) huge
- (b) quick
- (c) easy
- (d) intelligent

Q50. Select the option that is nearest in meaning to the underlined word: The police department's image was tarnished after the high-profile murder case.

- (a) enhanced
- (b) tainted
- (c) restored
- (d) assigned

Q51. Which one of the following statements about lysosomes is NOT correct?

- (a) They are waste disposal system of the cell
- (b) They breakdown all inorganic materials
- (c) These are also referred to as "suicidal bags"
- (d) Lysosomes stop entry of foreign materials

Q52. Which of the following two cell organelles have their own genetic material?

- (a) Endoplasmic reticulum and plastids
- (b) Endoplasmic reticulum and mitochondria
- (c) Mitochondria and plastids
- (d) Lysosomes and Golgi apparatus

Q53. Which one among the following tissues help to connect two bones?

- (a) Tendons
- (b) Ligaments
- (c) Areolar tissue
- (d) Cartilage

Q54. Which one among the following is the source of energy in cells?

- (a) ADP
- (b) ATP
- (c) AMP
- (d) NAD

Q55. In which one among the following the vegetative propagation takes place through Eye Buds?

- (a) Potato
- (b) Ginger
- (c) Onion
- (d) Sugarcane

Q56. The intermixing of particles of two different types of matter on their own is called

- (a) Osmosis
- (b) Brownian motion
- (c) Diffusion
- (d) Conductance

Q57. Which one among the following separation techniques is used for blood tests in diagnostic laboratories?

- (a) Filtration
- (b) Chromatography
- (c) Centrifugation
- (d) Crystallization

Q58. Which one among the following elements is polyatomic?

- (a) Phosphorus
- (b) Sulphur
- (c) Chlorine
- (d) Aluminium

Q59. Which of the following anions has a valency of -3?

- (a) Nitride
- (b) Nitrate
- (c) Sulphide
- (d) Sulphate

Q60. The mass of 0.5 mole of N_2 gas is

- (a) 7 g
- (b) 14 g
- (c) 21 g
- (d) 28 g

Q61. The chemical reaction: $2AgCl(s) \rightarrow 2Ag(s) + Cl_2(g)$ takes place

- (a) in dark
- (b) in sunlight
- (c) on heating
- (d) under high pressure

Q62. Which one among the following is commonly used as an 'anti-skinning agent' in paints?

- (a) Gelatin
- (b) N-methyl pyrrolidone
- (c) Pyridine
- (d) Polyhydroxy phenol

Q63. Two resistances of $5.0\ \Omega$ and $7.0\ \Omega$ are connected in series and the combination is connected in parallel with a resistance of $36.0\ \Omega$. The equivalent resistance of the combination of three resistors is

- (a) $24.0\ \Omega$
- (b) $12.0\ \Omega$
- (c) $9.0\ \Omega$
- (d) $6.0\ \Omega$

Q65. An astronaut whose weight on the Earth is 600 N experiences weightlessness on International Space Station orbiting around the Earth. It means that

- (a) acceleration of the astronaut is zero
- (b) normal reaction of the space-station floor on the astronaut is zero
- (c) gravitational pull of Earth on the astronaut is zero
- (d) space station applies a centrifugal force on the astronaut

Q66. Which of the following statements give characteristics of contact forces?

1. It appears between an object when it is in contact with some other object

2. It satisfies the third law of motion

3. It may appear between a pair of solid and fluid

Select the answer using the code given below:

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

Q68. Lightning is due to

- (a) The flow of charges between different parts of the cloud
- (b) The short-circuiting of charges between the upper and lower surfaces of the cloud
- (c) The collection of positively charged particles on the base and collection of negatively charged particles at the top of the cloud
- (d) The induction of positive charge on the ground below the negative charge at the base of the cloud

Q73. Taxila was the capital of which one among the following Mahajanapadas of ancient India?

- (a) Kuru
- (b) Kasi
- (c) Gandhar
- (d) Avanti

Q74. Who among the following was the last Governor-General of India before the office was permanently abolished?

- (a) Lord Mountbatten
- (b) Chakravarti Rajagopalachari
- (c) Lord Wavell
- (d) Lord Linlithgow

Q75. Which among the following is/are the objective(s) of setting up of Planning Commission in the 1950s in India?

1. To increase production and offering opportunities to all for employment
2. To make assessment of all resources of the country

Select the answer using the code given below:

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

Q76. Which among the following statements with regard to Five Year Plans in India is/are correct?

1. The First and Ninth five year plans accorded high priority to agriculture
2. The Third Plan was based on the Harrod-Domar Model
3. Seventh Plan focused on food, work and productivity
4. The Ninth five year plan emphasized on massive investments in public sector

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

Q77. Before the inception of the First Five year Plan, which among the following Plans were initiated in India?

1. Bombay Plan
2. Peoples Plan
3. Sarvodaya Plan
4. Gandhian Plan

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

Q78. Any land that is left fallow for more than five years is termed as

- (a) Current fallow
- (b) Fallow other than current fallow
- (c) Culturable waste land
- (d) Barren and waste land

Q79. Which statement is NOT correct with reference to Andaman and Nicobar Islands?

- (a) Climate is humid, tropical coastal climate
- (b) Maximum rainfall occurs between March and April
- (c) Andaman and Nicobar islands are separated by 10 degree Channel which is 150 Km wide
- (d) Islands are inhabited by Negrito tribes

Q80. Which one among the following local winds is NOT related to Mediterranean Sea?

- (a) Harmattan
- (b) Khamsin
- (c) Sirocco
- (d) Mistral

Q81. Which one among the following is a landlocked water body?

- (a) Mediterranean Sea
- (b) Black Sea
- (c) Red Sea
- (d) Caspian Sea

Q82. Which one among the following statements with reference to Benguela current is NOT correct?

- (a) It influences the climate of the West coast of North Africa
- (b) It is a cold current
- (c) Its direction is from South to North
- (d) It flows in the Atlantic Ocean

Q83. The lowest part of most bolsons is occupied by a landform called playa. Which category of landform formation does it represent?

- (a) Fluvial landforms
- (b) Arid landforms
- (c) Glacial landforms
- (d) Periglacial landforms

Q84. Which one among the following diseases is caused due to deficiency of Vitamin D in humans?

- (a) Beriberi
- (b) Scurvy
- (c) Rickets
- (d) Pneumonia

Q85. Which one among the following combinations most appropriately represent the components of balanced diet?

- (a) Carbohydrate, vitamins, proteins, fat, minerals, fibres and water
- (b) Carbohydrate, vitamins, proteins, fat and minerals
- (c) Carbohydrate, vitamins, proteins, minerals and water
- (d) Vitamins, proteins, fat, minerals, fibres and water

Q86. In which part or organ of human body cartilage is NOT found?

- (a) Nose
- (b) Trachea
- (c) Bronchiole
- (d) Knee joint

Q87. Which part of nephron of the human kidney is responsible for filtration of blood for excretion?

- (a) Collecting duct
- (b) Renal vein
- (c) Ureter
- (d) Bowman's capsule

Q88. Organisms of which of the following phylum are called sponges?

- (a) Coelenterata
- (b) Platyhelminthes
- (c) Porifera
- (d) Echinodermata

Q89. A point object is placed at the centre of curvature of a spherical concave mirror. Which one among the following would be the correct location of image formed?

- (a) At infinity
- (b) At the centre of curvature
- (c) At the focal point
- (d) Between the focal point and the centre of curvature

Q90. Which one among the following is correct for a person suffering from myopia?

- (a) The person can see near objects clearly
- (b) The person can see distant objects clearly
- (c) The person cannot distinguish colours
- (d) The person can neither see near objects nor distant objects clearly

Q91. A vehicle starts moving along a straight-line path from rest. In first t seconds it moves with an acceleration of 2 m/s^2 and then in next 10 seconds it moves with an acceleration of 5 m/s^2 . The total distance travelled by the vehicle is 550 m. The value of time t is

- (a) 10 s
- (b) 13 s
- (c) 20 s
- (d) 25 s

Q92. A pumpkin weighs 7.5 N. On submerging it completely in water, $\frac{3}{4}$ L of water gets displaced. The acceleration due to gravity at the place where the pumpkin was weighed is 10 m/s^2 . Which one of the following is the correct value of the density of the pumpkin?

- (a) 10 kg/m^3
- (b) 100 kg/m^3
- (c) 1000 kg/m^3
- (d) 10000 kg/m^3

Q93. An incandescent electric bulb converts 20 % of its power consumption into light, and the remaining power is dissipated as heat. The bulb's filament has a resistance of 200Ω and 2 A current flows through it. If the bulb remains ON for 10 h and the rate of electricity charge is ₹5 per unit, then which among the following is the correct amount for the money spent on producing light?

- (a) ₹ 5
- (b) ₹ 6
- (c) ₹ 7
- (d) ₹ 8

Q94. Which one of the following statements best defines the concept of heat?

- (a) The transformation of energy from one form to another
- (b) The conversion of energy into mass and vice-versa due to temperature difference
- (c) The transfer of energy due to temperature difference
- (d) The change in volume of a substance with temperature

Q95. The masses of two planets are in the ratio of 1 : 7. The ratio between their diameters is 2 : 1. The ratio of forces which they exert on each other is

- (a) 1 : 7
- (b) 7 : 1
- (c) 1 : 1
- (d) 2 : 1

Q96. A car weighs 1000 kg. It is moving with a uniform velocity of 72 km/h towards a straight road. The driver suddenly presses the brakes. The car stops in 0.2 s. The retarding force applied on the car to stop it is

- (a) 100 N
- (b) 1000 N
- (c) 10 kN
- (d) 100 kN

Q97. There is a ball of mass 320 g. It has 625 J potential energy when released freely from a height. The speed with which it will hit the ground is

- (a) 62.5 m/s
- (b) 2.0 m/s
- (c) 50 m/s
- (d) 40 m/s

Q98. Starting from rest a vehicle accelerates at the rate of 2 m/s^2 towards east for 10 s. It then stops suddenly. It then accelerates again at a rate of $4 \sqrt{2} \text{ m/s}^2$ for next 10 s towards south and then again comes to rest. The net displacement of the vehicle from the starting point is

- (a) 100 m
- (b) 200 m
- (c) 300 m
- (d) 400 m

Q99. Which one of the following statements about the Industrial Revolution is correct?

- (a) Thomas Savery invented astrolabe
- (b) Thomas Newcomen invented chemical dyes
- (c) James Watt's invention converted the steam engine from being a mere pump into one which would provide energy to power machines in factories
- (d) Mathew Boulton discovered the technique of refining gold of impurities

Q100. The first cotton mill in British India which began production in 1856 was set up by

- (a) Ghanshyam Das Birla
- (b) Jamnalal Bajaj
- (c) Ambalal Sarabhai
- (d) C. N. Davar

Q101. Consider the following statements about the Linguistic Reorganization of the States:

1. Gandhiji, in 1948, had argued for the reorganization of provinces on a linguistic basis
 2. The Constituent Assembly recommended it to be incorporated in the Constitution of India
- 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

Q102. Inspired by the Dandi March by Mahatma Gandhi, in Tamilnadu, C Rajagopalachari led a salt march from

- (a) Tirunelveli to Nagercoil
- (b) Kanchipuram to Mahabalipuram
- (c) Trichinopoly to Vedaranniyam on Tanjore coast
- (d) Chennai to Vellore

Q103. Acharya Vinoba Bhave received the first donation of land under the Bhoodan Movement at

- (a) Ramgarh
- (b) Garhwa
- (c) Hyderabad
- (d) Pochampally

Q104. Maize (makka) was introduced into India via

- (a) America and England
- (b) Africa and Spain
- (c) France and Russia
- (d) Portugal and Italy

Q105. Which of the following pairs of Himalayan Passes and the Ranges in which they are located is/are correctly matched?

1. Zoji La — Great Himalayas
2. Banihal Pass — Pir Panjal Range
3. Photu La — Ladakh Range
4. Khardung La — Karakoram Range

Select the answer using the code given below:

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

Q106. Which one among the following statements with reference to the black cotton soils of India is NOT correct?

- (a) The black cotton soils are also called 'Regur'
- (b) They are highly moisture retentive
- (c) They are rich in lime
- (d) These soils have less clay factor and hence can support a wide variety of crops and vegetables

Q107. Match List I with List II and select the correct answer using the code given below the Lists:

List I (Hydroelectric Power Plant)

- A. Doyang
- B. Gomuti
- C. Kapili
- D. Ranganadi

List II (State)

- 1. Arunachal Pradesh
- 2. Assam
- 3. Tripura
- 4. Nagaland

Code:

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

Q108. Match List I with List II and select the correct answer using the code given below the Lists :

List I (Tropical Cyclone)

- A. Hurricanes
- B. Willy Willy
- C. Baguio
- D. Typhoons

List II (Country)

- 1. China
- 2. Philippines
- 3. Australia
- 4. USA

Code :

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

Q109. Consider the following facts of the rivers of the Indus system :

1. The Satluj originates in Tibet where it is known as Langchen Khambab
2. The Satluj is a classic example of an antecedent river
3. The Jhelum is the largest tributary of the Indus System

Select the answer using the code given below :

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

Q110. Which one of the following is an example of both an igneous as well as a metamorphic rock?

- (a) Gabbro
- (b) Geyserite
- (c) Gneissoid
- (d) Granite

Q111. Which one of the following is correct?

- (a) Pyroxene is commonly found in meteorites
- (b) Amphiboles form about 20% of the Earth's crust
- (c) Quartz is soluble in water
- (d) The word 'sedimentary' is derived from the Latin word *sedimentum*

Q112. Which one among the following processes is NOT part of chemical weathering?

- (a) Solution
- (b) Hydration
- (c) Reduction
- (d) Thawing

Q113. What is the maximum number of electrons that can occupy the first shell of an atom?

- (a) 2
- (b) 4
- (c) 8
- (d) 16

Q114. At which temperature does liquid water show maximum density?

- (a) 299 K
- (b) 277 K
- (c) 285 K
- (d) 373 K

Q115. Which one among the following has valency of 3?

- (a) Carbon
- (b) Oxygen
- (c) Nitrogen
- (d) Sodium

Q116. Which one among the following is an example of oxidation reaction?

- (a) Freezing of water
- (b) Dissolving sugar in water
- (c) Rusting of iron
- (d) Boiling of petrol

Q117. Which one among the following fertilizers is a source of nitrogen?

- (a) Superphosphate
- (b) Potassium sulfate
- (c) Bone meal
- (d) Urea

Q118. For Aluminium (Al) (atomic number: 13, mass number: 27), which one among the following statements is NOT correct?

- (a) Number of electrons present in Al is 13
- (b) Number of protons present in Al is 13
- (c) Number of neutrons present in Al is 14

(d) The valency of Al is 2

Q119. The elemental composition of diamond is

- (a) Carbon and Hydrogen
- (b) Carbon and Oxygen
- (c) Pure Carbon
- (d) Pure Silicon

Q120. Which one among the following is an example of chemical change?

- (a) Sublimation of camphor
- (b) Melting of ice
- (c) Heating of an iron rod
- (d) Mixing of NaOH and HCl

Q121. Which one among the following is the correct focal length of a combination of lenses of power 2.5 D and -2.0 D?

- (a) +0.5 m
- (b) -0.5 m
- (c) +2.0 m
- (d) -2.0 m

Q122. The AC mains domestic supply current in India changes direction in every

- (a) 50 s
- (b) 1/50 s
- (c) 100 s
- (d) 1/100 s

Q124. Given below are the four cases in which certain heat transfer is taking place:

1. Ice is melting in a glass full of water
2. Water is boiling in an open container
3. A metal rod is heated in a furnace
4. A cup of coffee is allowed to cool on a table

In which of the above cases, the Newton's Law of Cooling is applicable?

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

Q126. Vijayanagara rulers claimed that they were ruling on behalf of

- (a) Lord Murugan
- (b) Lord Venkateshwara
- (c) Shri Virupaksha
- (d) Shri Vallabha

Q127. Domingo Paes describes a king in these words : "Of medium height, and of fair complexion and good figure, rather fat than thin; he has on his face signs of smallpox". Identify the king from the options given below.

- (a) Krishnadeva Raya
- (b) Ram Raya
- (c) Devaraya II
- (d) Devaraya I

Q128. In which Schedule of the Constitution of India, provisions as to disqualification on grounds of defection are given?

- (a) Ninth Schedule
- (b) Tenth Schedule
- (c) Eleventh Schedule
- (d) Sixth Schedule

Q129. Consider the following statements:

- 1. The duties of the Attorney General of India are to give advice to the Government of India upon such legal matters, and to perform such other duties of a legal character, as may from time to time be referred to or assigned to him by the President of India**
 - 2. The Solicitor General of India is the secondary Law Officer of the country, who assists the Attorney General, and is himself assisted by several Additional Solicitor Generals of India**
- 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

Q130. Which of the following Committees does NOT consist of Members from the Upper House of the Parliament?

- 1. Public Accounts Committee**
- 2. Estimates Committee**
- 3. Committee on Public Undertakings**

Select the answer using the code given below:

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

Q131. In the passing of a Money Bill, the Rajya Sabha has limited powers in that it shall return the Bill, with or without any recommendation, within the stipulated time of

- (a) 12 days
- (b) 21 days
- (c) 14 days
- (d) 30 days

Q132. Which of the following statements with regard to Article 19(1) of the Constitution of India is/are correct? 1. Freedoms under this Article are not absolute 2. Reasonable restrictions can be imposed on the exercise of freedoms under this Article. Select the answer using the code given below:

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

Q133. Which of the following is NOT a part of the five principles enshrined in the 'Panchsheel' agreement signed by India and China in 1954?

- (a) Mutual non-aggression
- (b) Mutual non-interference
- (c) Peaceful coexistence
- (d) Cultural cooperation

Q134. Freedom Fighter Kanaklata Barua sacrificed her life while participating in

- (a) Rowlatt Satyagraha
- (b) Non-Cooperation Movement
- (c) Civil Disobedience Movement
- (d) Quit India Movement

Q135. Where is the Coriolis Effect the largest?

- (a) At the Equator
- (b) At the Tropic of Capricorn and Tropic of Cancer
- (c) At the North Pole
- (d) At 45 degree latitude in each hemisphere

Q136. In which among the following states in India, the Sun rays are never perpendicular? 1. Bihar 2. Chhattisgarh 3. Manipur 4. Rajasthan. Select the answer using the code given below:

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

Q137. Which of the following is/are east flowing rivers in India? 1. Palar 2. Periyar 3. Pennar 4. Kalinadi. Select the answer using the code given below:

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

Q138. Which of the following tributaries is/are correctly matched with the Deccan Rivers? Tributary — River 1. Bhavani — Krishna 2. Kabini — Kaveri 3. Manjra — Godavari 4. Bhima — Mahanadi. Select the answer using the code given below:

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

Q139. Which one of the following is found in appreciable amount in Laterite soil in India?

- (a) Calcium
- (b) Phosphate
- (c) Potash
- (d) Nitrogen

Q140. Consider the following statements regarding River Brahmaputra:

- 1. It rises in Tibet, near Lake Mansarovar**
 - 2. It takes a "U" turn near Namcha Barwa and enters India through a gorge**
- 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

Q141. "Not me, but you" is the motto of which one of the following youth organizations/schemes?

- (a) Rashtriya Yuva Sashaktikaran Karyakram
- (b) National Service Scheme (NSS)
- (c) National Young Leaders Programme
- (d) National Discipline Scheme (NDS)

Q142. "Fitness ka dose, aadha ghanta roz" campaign, is associated with

- (a) Khelo India
- (b) Fit India Programme
- (c) Mera Yuva Bharat
- (d) Healthy Heart Programme

Q143. Consider the following statements:

- 1. Kozhikode has been included in UNESCO's creative cities network as the 'City of Music'**
 - 2. Garba of Gujarat has been declared by UNESCO as an intangible cultural heritage**
 - 3. Gwalior has been included in UNESCO's creative cities network as the 'City of Literature'**
- How many of the above statements is/are correct?**

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

Q144. ASEAN-India Millet Festival-2023, organized by Indian Mission to ASEAN, was held in which one of the following countries?

- (a) India
- (b) Indonesia
- (c) Malaysia
- (d) Thailand

Q145. Consider the following statements:

1. First Indian Military Heritage festival was inaugurated in October 2023 in Pune
 2. First Green Hydrogen Fuel Cell Bus was flagged off in India in Bangalore
 3. South Africa chaired the 15th BRICS Summit held in 2023
 4. Viksit Bharat Sankalp Yatra was flagged off in 2023 from Jharkhand
- How many of the above statements is/are correct?

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

Q146. Which of the following statements about 'ULLAS' scheme is/are NOT correct?

1. It's a Centrally Sponsored scheme which aims at securing childhood for street children
2. It's a scheme aligned with National Education Policy-2020 which aims at empowering adults aged 15 or above who could not get due schooling

Select the answer using the code given below:

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

Q147. Which one of the following statements is NOT correct about NATO?

- (a) It was formed out of the signing of the Washington Treaty
- (b) Russia is not a member of this organization
- (c) It derives its authority from the UN Charter
- (d) Finland is its latest member

Q149. Which one among the following Joint Military Exercises was NOT conducted between India and USA?

- (a) Yudh Abhyas
- (b) Vajra Prahar
- (c) Malabar
- (d) Varuna

Q150. Consider the following statements:

1. India has secured 10th rank in International Shipment category in World Bank's Logistics Performance Index Report-2023
 2. Global Maritime India Summit-2023 was held in Vishakhapatnam
 3. 'Maritime Amrit Kaal Vision 2047' was launched during Global Maritime India Summit-2023
- How many of the above statements is/are correct?

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