

NDA 2017 (II) General Ability Test Question Paper

150 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-2017-ii-general-ability-test>

Q1. The discussion was <u>wound up</u> after a long and fruitful exchange of views. (Select the word or group of words that is most similar in meaning to the underlined word.)

- (a) postponed
- (b) cut short
- (c) interrupted
- (d) concluded

Q2. He was fully <u>alive to</u> the need for making adjustments. (Select the word or group of words that is most similar in meaning to the underlined word.)

- (a) concerned about
- (b) worried about
- (c) aware of
- (d) indifferent about

Q3. The police officer tried to <u>intimidate</u> the witness but in vain. (Select the word or group of words that is most similar in meaning to the underlined word.)

- (a) inform
- (b) reward
- (c) frighten
- (d) persuade

Q4. We must adopt <u>drastic</u> measures to control population growth. (Select the word or group of words that is most similar in meaning to the underlined word.)

- (a) simple
- (b) dramatic
- (c) realistic
- (d) severe

Q5. He is extremely <u>meticulous</u> in his approach. (Select the word or group of words that is most similar in meaning to the underlined word.)

- (a) simple
- (b) careful
- (c) fair
- (d) reasonable

Q6. The experts' <u>minute</u> examination brought to light some important clues. (Select the word or group of words that is most similar in meaning to the underlined word.)

- (a) quick
- (b) detailed
- (c) superficial
- (d) prolonged

Q7. The decision of the Union Government to <u>repeal</u> the Urban Land Ceiling Act has been welcomed by all. (Select the word or group of words that is most similar in meaning to the underlined word.)

- (a) suppress
- (b) amend
- (c) cancel

(d) withhold

Q8. This is his <u>maiden</u> appearance on the screen. (Select the word or group of words that is most similar in meaning to the underlined word.)

- (a) first
- (b) last
- (c) girlish
- (d) shy

Q9. At the end of the marathon everybody was <u>exhausted</u>. (Select the word or group of words that is most similar in meaning to the underlined word.)

- (a) weakened
- (b) honoured
- (c) satisfied
- (d) tired

Q10. He gave me a <u>counterfeit</u> coin. (Select the word or group of words that is most similar in meaning to the underlined word.)

- (a) rare
- (b) fake
- (c) unmatured
- (d) inferior

Q11. My mother has been working hard for the last two weeks and she feels <u>run down</u>. (Select the word that is most opposite in meaning to the underlined word.)

- (a) morbid
- (b) energetic
- (c) exhausted
- (d) emotional

Q12. The President condemned the act of <u>violence</u> during the celebration of the festival. (Select the word that is most opposite in meaning to the underlined word.)

- (a) reason
- (b) instigation
- (c) restraint
- (d) sobriety

Q13. The students made a <u>generous</u> contribution to the flood relief fund. (Select the word that is most opposite in meaning to the underlined word.)

- (a) niggard
- (b) selfish
- (c) spendthrift
- (d) indecent

Q14. He was just <u>idle</u> by temperament. (Select the word that is most opposite in meaning to the underlined word.)

- (a) employed
- (b) occupied
- (c) industrious
- (d) happy

Q15. Most of the decisions taken by the officer were <u>unjust</u>. (Select the word that is most opposite in meaning to the underlined word.)

- (a) serious
- (b) lenient
- (c) correct
- (d) imbecile

Q16. He is a loving father and takes great <u>delight</u> in his children. (Select the word that is most opposite in meaning to the underlined word.)

- (a) revolt
- (b) dissatisfaction
- (c) enjoyment
- (d) disgust

Q17. He was quite <u>concerned</u> about his son's career. (Select the word that is most opposite in meaning to the underlined word.)

- (a) unrelated
- (b) indifferent
- (c) dispassionate
- (d) carefree

Q18. They are <u>confident</u> of success. (Select the word that is most opposite in meaning to the underlined word.)

- (a) imprudent
- (b) impatient
- (c) diffident
- (d) reluctant

Q19. We <u>carried on</u> the search for the missing person. (Select the word that is most opposite in meaning to the underlined word.)

- (a) delayed
- (b) reconsidered
- (c) broke up
- (d) called off

Q20. This T.V. has many <u>indigenous</u> components. (Select the word that is most opposite in meaning to the underlined word.)

- (a) Indian
- (b) foreign
- (c) unnatural
- (d) genuine

Q21. After this incident I went to Nainital, and returned after nearly a month. I had ____ (21) taken ____ (22) my clothes when I saw Gangu standing ____ (23) a new baby. He was ____ (24) with joy. Even Nanda ____ (25) not have ____ (26) such joy ____ (27) getting Krishna. His face had the same ____ (28) that ____ (29) on the face of a ____ (30) man after a full meal.

After this incident I went to Nainital, and returned after nearly a month. I had ____ taken (Select the word or group of words that best fills this blank in the passage.)

- (a) hardly
- (b) barely
- (c) merely
- (d) rarely

Q22. After this incident I went to Nainital, and returned after nearly a month. I had ____ (21) taken ____ (22) my clothes when I saw Gangu standing ____ (23) a new baby. He was ____ (24) with joy. Even Nanda ____ (25) not have ____ (26) such joy ____ (27) getting Krishna. His face had the same ____ (28) that ____ (29) on the face of a ____ (30) man after a full meal.

taken ____ my clothes when I saw Gangu standing (Select the word or group of words that best fills this blank in the passage.)

- (a) out
- (b) away
- (c) off
- (d) on

Q23. After this incident I went to Nainital, and returned after nearly a month. I had ____ (21) taken ____ (22) my clothes when I saw Gangu standing ____ (23) a new baby. He was ____ (24) with joy. Even Nanda ____ (25) not have ____ (26) such joy ____ (27) getting Krishna. His face had the same ____ (28) that ____ (29) on the face of a ____ (30) man after a full meal.

when I saw Gangu standing ____ a new baby. (Select the word or group of words that best fills this blank in the passage.)

- (a) by
- (b) near
- (c) with
- (d) at

Q24. After this incident I went to Nainital, and returned after nearly a month. I had ____ (21) taken ____ (22) my clothes when I saw Gangu standing ____ (23) a new baby. He was ____ (24) with joy. Even Nanda ____ (25) not have ____ (26) such joy ____ (27) getting Krishna. His face had the same ____ (28) that ____ (29) on the face of a ____ (30) man after a full meal.

He was ____ with joy. (Select the word or group of words that best fills this blank in the passage.)

- (a) jumping
- (b) bursting
- (c) dancing
- (d) singing

Q25. After this incident I went to Nainital, and returned after nearly a month. I had ____ (21) taken ____ (22) my clothes when I saw Gangu standing ____ (23) a new baby. He was ____ (24) with joy. Even Nanda ____ (25) not have ____ (26) such joy ____ (27) getting Krishna. His face had the same ____ (28) that ____ (29) on the face of a ____ (30) man after a full meal.

Even Nanda ____ not have (Select the word or group of words that best fills this blank in the passage.)

- (a) could
- (b) would
- (c) should
- (d) ought

Q26. After this incident I went to Nainital, and returned after nearly a month. I had ____ (21) taken ____ (22) my clothes when I saw Gangu standing ____ (23) a new baby. He was ____ (24) with joy. Even Nanda ____ (25) not have ____ (26) such joy ____ (27) getting Krishna. His face had the same ____ (28) that ____ (29) on the face of a ____ (30) man after a full meal.

not have ____ such joy

- (a) experimented
- (b) shown
- (c) felt
- (d) heard

Q27. After this incident I went to Nainital, and returned after nearly a month. I had ____ (21) taken ____ (22) my clothes when I saw Gangu standing ____ (23) a new baby. He was ____ (24) with joy. Even Nanda ____ (25) not have ____ (26) such joy ____ (27) getting Krishna. His face had the same ____ (28) that ____ (29) on the face of a ____ (30) man after a full meal.

such joy ____ getting Krishna.

- (a) at
- (b) in
- (c) on
- (d) into

Q28. After this incident I went to Nainital, and returned after nearly a month. I had ____ (21) taken ____ (22) my clothes when I saw Gangu standing ____ (23) a new baby. He was ____ (24) with joy. Even Nanda ____ (25) not have ____ (26) such joy ____ (27) getting Krishna. His face had the same ____ (28) that ____ (29) on the face of a ____ (30) man after a full meal.

His face had the same ____ that

- (a) light
- (b) glow
- (c) sense
- (d) hope

Q29. After this incident I went to Nainital, and returned after nearly a month. I had ____ (21) taken ____ (22) my clothes when I saw Gangu standing ____ (23) a new baby. He was ____ (24) with joy. Even Nanda ____ (25) not have ____ (26) such joy ____ (27) getting Krishna. His face had the same ____ (28) that ____ (29) on the face of a ____ (30) man after a full meal.

that ____ on the face of a

- (a) comes
- (b) appears
- (c) rises
- (d) shows

Q30. After this incident I went to Nainital, and returned after nearly a month. I had ____ (21) taken ____ (22) my clothes when I saw Gangu standing ____ (23) a new baby. He was ____ (24) with joy. Even Nanda ____ (25) not have ____ (26) such joy ____ (27) getting Krishna. His face had the same ____ (28) that ____ (29) on the face of a ____ (30) man after a full meal.

on the face of a ____ man after a full meal.

- (a) starved
- (b) starving
- (c) hungry
- (d) satisfied

Q31. The spirit of man

P. has slowly and painfully surmounted

Q. and his growing intelligence

R. all the obstacles that have come in his way

S. has faced all kinds of dangers

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

Q32. After our school boys had won a well-contested hockey match

P. so that they might communicate the news of their victory to the headmaster

Q. who is a keen sportsman

R. they came to school in high spirits

S. and takes a very lively interest in school games

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

Q33. Even a leisurely game like cricket

P. demanding grace rather than strength

Q. and over the rough tactics of the Australian team that visited England in 1921

R. as we saw in the controversy over body-line bowling

S. can cause much ill-will

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

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

Q34. Scientists point out

- P. of sunspot activity**
- Q. that it is an aftermath that**
- R. has now reached its peak**
- S. of the eleven-year cycle**

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

Q35. As the ship streams from San Diego

- P. as walls of gray water from a distant storm in the North Pacific**
- Q. making the greener among us miserable with sea sickness**
- R. rock and toss the ship**
- S. those of us aboard have a personal demonstration of powerful ocean movement**

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

**Q36. <u>An electrical circuit</u> <u>is the complete path</u> <u>traversed by electric current.</u>
<u>No error</u>**

- (a) An electrical circuit
- (b) is the complete path
- (c) traversed by electric current.
- (d) No error

Q37. <u>He waved us a by-by</u> <u>as he boarded the train</u> <u>which disappeared into the tunnel.</u> <u>No error</u>

- (a) He waved us a by-by
- (b) as he boarded the train
- (c) which disappeared into the tunnel.
- (d) No error

Q38. <u>There was great deal that had to be scrapped, that must be scrapped;</u> <u>but surely India could not have been what she undoubtedly was,</u> <u>and could not have continued a cultured existence for thousands of years.</u> <u>No error</u>

- (a) There was great deal that had to be scrapped, that must be scrapped;
- (b) but surely India could not have been what she undoubtedly was,
- (c) and could not have continued a cultured existence for thousands of years.
- (d) No error

Q39. <u>With regard to interior decoration, it is the attention given to the less overt aspects of using space</u> <u>that give it life, an identity, a quality</u> <u>that makes it exciting and unusual.</u> <u>No error</u>

- (a) With regard to interior decoration, it is the attention given to the less overt aspects of using space
- (b) that give it life, an identity, a quality
- (c) that makes it exciting and unusual.
- (d) No error

Q40. <u>A small parcel</u> <u>of novels is</u> <u>better than none.</u> <u>No error</u>

- (a) A small parcel
- (b) of novels is
- (c) better than none.
- (d) No error

Q41. He looks as if he ____ weary.

- (a) is
- (b) was
- (c) would be
- (d) were

Q42. My house is insured ____ theft and fire.

- (a) for
- (b) against
- (c) in
- (d) towards

Q43. The result of the prolonged discussion was ____ .

- (a) disappointment
- (b) disappointing
- (c) disappointed
- (d) to disappoint

Q44. You are lucky ____ in the 20th century.

- (a) by being born
- (b) to have been born
- (c) for being born
- (d) to have born

Q45. Sita is true to ____ .

- (a) word
- (b) her words
- (c) the words
- (d) words

Q46. Years ____ since I saw her last.

- (a) have passed
- (b) had passed
- (c) had been passing
- (d) have been passing

Q47. When he heard the terrible noise he asked me what was ____ on.

- (a) happening
- (b) being
- (c) getting
- (d) going

Q48. Could you lend me some money ? I am very ____ of cash at the moment.

- (a) down
- (b) low
- (c) short
- (d) scarce

Q49. I saw her when she was standing ____ the side of the old statue.

- (a) by
- (b) at
- (c) in
- (d) beyond

Q50. True friends never ____ their loved ones in adversity.

- (a) abuse
- (b) criticize
- (c) befool
- (d) desert

Q51. Which one of the following was set as a target of average growth of GDP of India over the plan period 2012 – 2017 by the Approach Paper to the Twelfth Five Year Plan ?

- (a) 7 percent
- (b) 8 percent
- (c) 9 percent
- (d) 10 percent

Q52. Which one of the following is not a subject that has been devolved to the Panchayati Raj Institutions by the 11th Schedule of the Constitution of India ?

- (a) Non-conventional energy resources
- (b) Roads
- (c) Higher education
- (d) Libraries

Q53. Who among the following used the term Industrial Revolution for the first time in English to describe the changes that occurred in the British industrial development between 1760 and 1820 ?

- (a) Friedrich Engels
- (b) Eric Hobsbawm
- (c) Arnold Toynbee
- (d) Georges Michelet

Q54. Who among the following is the author of the book 'The Indian Struggle, 1920 – 1934' ?

- (a) Maulana Abul Kalam
- (b) Jayprakash Narayan
- (c) Subhash Chandra Bose
- (d) Manabendra Nath Roy

Q55. Which one of the following about the Swadeshi Campaign in 1896 is not correct ?

- (a) Its centre was Maharashtra
- (b) Its main participants were students
- (c) It opposed the levy of tariff on imports
- (d) It publicly burnt foreign clothes

Q56. Which one of the following associations was founded in London by Dadabhai Naoroji in 1866 ?

- (a) The Bengal British India Society
- (b) The East India Association
- (c) The British Indian Association
- (d) The Madras Native Association

Q57. Mariana Trench is located in the ocean floor of

- (a) Southern Atlantic Ocean
- (b) Western Pacific Ocean
- (c) Eastern Pacific Ocean
- (d) Northern Atlantic Ocean

Q58. Taklamakan Desert is situated in

- (a) Western Asia
- (b) Southern fringe of Sahara in Africa
- (c) South America
- (d) Central Asia

Q59. Rudraprayag is situated at the confluence of rivers Alaknanda and

- (a) Bhagirathi
- (b) Mandakini
- (c) Nandakini
- (d) Dhauliganga

Q60. Arrange the following Indian cities according to their locations from west to east :

1. Bilaspur
2. Jodhpur
3. Bhopal
4. Ranchi

Select the correct answer using the code given below :

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

Q61. The Kashmir region receives additional amount of precipitation during the winter brought by

- (a) South-west Monsoon
- (b) Western Disturbances
- (c) Retreating Monsoon
- (d) Temperate Cyclone

Q62. Which part of India has the Kalakot tertiary coal field ?

- (a) Brahmaputra river basin of Assam
- (b) Damodar river basin of Jharkhand and West Bengal
- (c) Himalayan mountain region
- (d) Cardamom hills in Kerala

Q63. Tendons through which muscles are connected to bones are tightly compacted bundles of which one of the following long fibrous protein ?

- (a) Fibrin
- (b) Collagen
- (c) Elastin
- (d) Cellulose

Q64. Which one of the following is the scientific name of the causal organism of elephantiasis ?

- (a) Ascaris lumbricoides
- (b) Culex pipiens
- (c) Wuchereria bancrofti
- (d) Fasciola hepatica

Q65. Melanin is the natural pigment that gives colour to human skin, hair and the iris. It provides protection against

- (a) Ultraviolet radiation
- (b) Infrared radiation
- (c) X-ray radiation
- (d) Short wave radio radiation

Q66. Intake of which one of the following food components should be minimized by patients having Gouty Arthritis due to elevated serum uric acid level ?

- (a) Food fibres
- (b) Nucleic acids
- (c) Lipids
- (d) Carbohydrates

Q67. Which one of the following statements about microbes is not correct ?

- (a) They are used in sewage treatment plants.
- (b) They are used in industrial fermenters for the production of beverages.
- (c) No antibiotic has been obtained from any microbe.
- (d) They are used to get many bioactive molecules for the treatment of diseases.

Q68. Golden rice is a genetically-modified crop plant where the incorporated gene is meant for biosynthesis of

- (a) Omega-3 fatty acids
- (b) Vitamin A
- (c) Vitamin B
- (d) Vitamin C

Q69. An object moves in a circular path with a constant speed. Which one of the following statements is correct ?

- (a) The centripetal acceleration of the object is smaller for a gentle curve (i.e., curve of larger radius) than that for a sharp curve (i.e., curve of smaller radius).
- (b) The centripetal acceleration is greater for a gentle curve than that for a sharp curve.
- (c) The centripetal acceleration is the same for both, the gentle and sharp curves.
- (d) The centripetal acceleration causes the object to slow down.

Q70. The force acting on a particle of mass m moving along the x -axis is given by $F(x) = Ax^2 - Bx$. Which one of the following is the potential energy of the particle ?

- (a) $2Ax - B$
- (b) $-x^2/6 (2Ax - 3B)$
- (c) $Ax^3 - Bx^2$
- (d) Zero

Q71. The symbol of SI unit of inductance is H. It stands for

- (a) Holm
- (b) Halogen
- (c) Henry
- (d) Hertz

Q72. In a vacuum, a five-rupee coin, a feather of a sparrow bird and a mango are dropped simultaneously from the same height. The time taken by them to reach the bottom is t_1 , t_2 and t_3 respectively. In this situation, we will observe that

- (a) $t_1 > t_2 > t_3$
- (b) $t_1 > t_3 > t_2$
- (c) $t_3 > t_1 > t_2$
- (d) $t_1 = t_2 = t_3$

Q73. Electron emission from a metallic surface by application of light is known as

- (a) Thermionic emission
- (b) Photoelectric emission
- (c) High field emission
- (d) Autoelectronic emission

Q74. How long does light take to reach the Earth from the Sun ?

- (a) About 4 minutes
- (b) About 8 minutes
- (c) About 24 minutes
- (d) About 24 hours

Q75. Radioactivity is measured by

- (a) GM Counter
- (b) Polarimeter
- (c) Calorimeter
- (d) Colorimeter

Q76. The mirrors used as rear-view mirrors in vehicles are

- (a) concave
- (b) convex
- (c) cylindrical
- (d) plane

Q77. Which one of the following waves is used for detecting forgery in currency notes ?

- (a) Ultraviolet waves
- (b) Infrared waves
- (c) Radio waves
- (d) Microwaves

Q78. The majority charge carriers in a p-type semiconductor are

- (a) free electrons
- (b) conduction electrons
- (c) ions
- (d) holes

Q79. The ionization energy of hydrogen atom in the ground state is

- (a) 13.6 MeV
- (b) 13.6 eV
- (c) 13.6 Joule
- (d) Zero

Q80. When pure water boils vigorously, the bubbles that rise to the surface are composed primarily of

- (a) air
- (b) hydrogen
- (c) hydrogen and oxygen
- (d) water vapour

Q81. Which compound, when dissolved in water, conducts electricity and forms a basic solution ?

- (a) HCl
- (b) CH_3COOH
- (c) CH_3OH
- (d) NaOH

Q82. The principal use of hydrofluoric acid is

- (a) in etching glass
- (b) as a bleaching agent
- (c) as an extremely strong oxidizing agent
- (d) in the preparation of strong organic fluorine compounds

Q83. The species that has the same number of electrons as $^{35}_{17}\text{Cl}$ is

- (a) $^{32}_{16}\text{S}$
- (b) $^{34}_{16}\text{S}^+$
- (c) $^{40}_{18}\text{Ar}^+$
- (d) $^{35}_{16}\text{S}^{2-}$

Q84. The compound $C_6H_{12}O_4$ contains

- (a) 22 atoms per mole
- (b) twice the mass percent of H as compared to the mass percent of C
- (c) six times the mass percent of C as compared to the mass percent of H
- (d) thrice the mass percent of H as compared to the mass percent of O

Q85. The proposition 'equal volumes of different gases contain equal numbers of molecules at the same temperature and pressure' is known as

- (a) Avogadro's hypothesis
- (b) Gay-Lussac's hypothesis
- (c) Planck's hypothesis
- (d) Kirchhoff's theory

Q86. Which one of the following statements about the Ilbert Bill is correct ?

- (a) It proposed that the Indian magistrates would try Europeans in criminal cases.
- (b) It allowed Indians to file criminal cases against Europeans.
- (c) It authorized Indian ICS officers to try Europeans in courts.
- (d) It was an agitation led by Ilbert in support of the nationalists.

Q87. Who among the following can attend the meetings of both Houses of Parliament while not being a member of either House ?

- (a) The Solicitor General of India
- (b) The Vice-President of India
- (c) The Comptroller and Auditor General of India
- (d) The Attorney General of India

Q88. Who among the following was believed to be a leader of the Sanyasis and Fakirs conspiring against the British in 1857 ?

- (a) Mangal Pandey
- (b) Bahadur Shah II
- (c) Queen Zeenat Mahal
- (d) Nana Sahib

Q89. Who among the following was the founder of the Avadh Kingdom in the 18th century ?

- (a) Murshid Quli Khan
- (b) Saadat Khan
- (c) Alivardi Khan
- (d) Sarfaraz Khan

Q90. Who among the following was the founder of the Young Bengal Movement ?

- (a) Henry Vivian Derozio
- (b) David Hare
- (c) Dwarkanath Tagore
- (d) Prasanna Kumar Tagore

Q91. Which one of the following statements about the Quit India Movement is not correct ?

- (a) It broke out in August 1942.
- (b) Ahmedabad Textile Mills went on strike for more than three months.
- (c) Muslim League and Hindu Mahasabha actively participated in the movement.
- (d) Communist Party did not support the movement.

Q92. Who among the following is the winner of the Singapore Open Superseries Badminton Men's Singles title 2017 ?

- (a) Kidambi Srikanth
- (b) Lin Dan
- (c) B. Sai Praneeth
- (d) Kento Momota

Q93. Koradi Thermal Power Station is located in

- (a) Nagpur
- (b) Raipur
- (c) Mumbai
- (d) Secunderabad

Q94. Which one of the following is the theme of the International Day for Monuments and Sites (World Heritage Day) 2017 ?

- (a) The Heritage of Sport
- (b) Cultural Heritage and Sustainable Tourism
- (c) Past and Present Heritage
- (d) Heritage and Science

Q95. In April 2017, USA dropped MOAB (Massive Ordnance Air Blast popularly known as the Mother of All Bombs) in the suspected hideouts of militants in which one of the following countries ?

- (a) Iran
- (b) Syria
- (c) Afghanistan
- (d) Somalia

Q96. Who among the following is the Chairman of the Interdisciplinary Committee constituted recently by the Government of India to examine framework for virtual currencies ?

- (a) Secretary, Department of Financial Services
- (b) Special Secretary, Department of Revenue
- (c) Special Secretary, Department of Economic Affairs
- (d) Deputy Governor, Reserve Bank of India

Q97. SAMPADA scheme is being implemented by the Ministry of

- (a) Finance
- (b) Housing and Urban Affairs
- (c) Food Processing Industries
- (d) Earth Sciences

Q98. The shortest day length that occurs in the Northern hemisphere is on

- (a) 21st March
- (b) 23rd September
- (c) 22nd November
- (d) 22nd December

Q99. The Indian Railways have gone in for qualitative improvements since independence. Which of the following have taken place in recent years ?

1. Gauge conversion
2. Track electrification
3. Automatic signals

Select the correct answer using the codes given below :

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

Q100. In India, maximum amount of rainfall is received from

- (a) Western Disturbances
- (b) North-east Monsoon
- (c) South-west Monsoon
- (d) Retreating Monsoon

Q101. Which set of the following biosphere reserves in India is included in the World Network of Biosphere Reserves ?

- (a) Gulf of Mannar, Nokrek, Panchmarhi and Simlipal
- (b) Gulf of Mannar, Kanchanjunga, Nokrek and Seshachalam
- (c) Nilgiri, Nokrek, Panchmarhi and Panna
- (d) Nilgiri, Nokrek, Panchmarhi and Seshachalam

Q102. Which of the following statements about magnetite ore of iron is/are correct ?

- 1. It is known as black ore.
- 2. It contains 60% to 70% of pure iron.
- 3. It possesses magnetic properties.

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

Q103. Which one of the following vitamins has a role in blood clotting ?

- (a) Vitamin A
- (b) Vitamin D
- (c) Vitamin E
- (d) Vitamin K

Q104. The term 'Probiotic' is applied to

- (a) Organic food
- (b) Antacid
- (c) Antibiotic
- (d) Live microbial food supplement

Q105. Which one of the following microbes causes acidification and curding of milk ?

- (a) Lactic Acid Bacillus
- (b) Clostridium botulinum
- (c) Vibrio cholerae
- (d) Saccharomyces cerevisiae

Q106. Who among the following shared the Nobel Prize in 1962 along with Francis Crick and James Watson for their discoveries concerning the molecular structure of nucleic acids ?

- (a) Erwin Chargaff
- (b) Maurice Hugh Frederick Wilkins
- (c) Rosalind Franklin
- (d) Phoebus Levene

Q107. Water boils at a lower temperature at high altitudes, because

- (a) the air pressure is less
- (b) outside temperature is less
- (c) latent heat is less
- (d) None of the above

Q108. Concave mirror is used in headlights of vehicles, because it

- (a) focuses light from the bulb onto nearby vehicles
- (b) sends parallel rays
- (c) fits well into the shape of the headlight
- (d) is cheaper than other mirrors

Q109. If some object is weighed when submerged in water, what will happen to its weight compared to its weight in air ?

- (a) Increase
- (b) Decrease
- (c) Remain exactly the same
- (d) Increase or decrease cannot be predicted

Q110. Light year is a measure of

- (a) time
- (b) distance
- (c) total amount of light falling on the Earth in a year
- (d) average intensity of light falling on the Earth in a year

Q111. Which one of the following statements about a satellite orbiting around the Earth is correct ?

- (a) Satellite is kept in orbit by remote control from ground station.
- (b) Satellite is kept in orbit by retro-rocket and solar energy keeps it moving around the Earth.
- (c) Satellite requires energy from solar panels and solid fuels for orbiting.
- (d) Satellite does not require any energy for orbiting.

Q112. Which one of the following statements about energy is correct ?

- (a) Energy can be created as well as destroyed.
- (b) Energy can be created but not destroyed.
- (c) Energy can neither be created nor destroyed.
- (d) Energy cannot be created but can be destroyed.

Q113. Step-up transformers are used for

- (a) increasing electrical power
- (b) decreasing electrical power
- (c) decreasing voltage
- (d) increasing voltage

Q114. Which one among the following waves carries the maximum energy per photon ?

- (a) X-rays
- (b) Radio waves
- (c) Light waves
- (d) Microwaves

Q115. How much CO₂ is produced on heating of 1 kg of carbon ?

- (a) $11/3$ kg
- (b) $3/11$ kg
- (c) $4/3$ kg
- (d) $3/4$ kg

Q116. Zinc is used to protect iron from corrosion because zinc is

- (a) more electropositive than iron
- (b) cheaper than iron
- (c) a bluish white metal
- (d) a good conductor of heat and electricity

Q117. Which one of the following gases is placed second in respect of abundance in the Earth's atmosphere ?

- (a) Oxygen
- (b) Hydrogen
- (c) Nitrogen
- (d) Carbon dioxide

Q118. Which one of the following is a chemical change ?

- (a) Cutting of hair
- (b) Graying of hair naturally
- (c) Swelling of resin in water
- (d) Cutting of fruit

Q119. Which one among the following chemicals is used as washing soda ?

- (a) Calcium carbonate
- (b) Calcium bicarbonate
- (c) Sodium carbonate
- (d) Sodium bicarbonate

Q120. Why is potassium permanganate used for purifying drinking water ?

- (a) It kills germs
- (b) It dissolves the impurities
- (c) It is a reducing agent
- (d) It is an oxidizing agent

Q121. Consider the following movements :

1. Moplah Rebellion
2. Bardoli Satyagraha
3. Champaran Satyagraha
4. Salt Satyagraha

Which one of the following is the correct chronological order of the above in ascending order ?

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

Q122. Which one of the following travelogues has given an insight on the reign of Muhammad Bin Tughlaq ?

- (a) Ibn Battuta's Rihla
- (b) Francois Bernier's Travels in the Mogul Empire
- (c) Niccolao Manucci's Storia do Mogor
- (d) Tavernier's Travels in India

Q123. Which one of the following was not a Chishti Sufi saint ?

- (a) Khwaja Moinuddin
- (b) Baba Fariduddin Ganj-i-Shakar
- (c) Nizamuddin Auliya
- (d) Shaikh Bahauddin Zakariya

Q124. In April 1947, India celebrated 100 years of Mahatma Gandhi's

- (a) Satyagraha in Kheda
- (b) Dandi March
- (c) Satyagraha in Champaran
- (d) Return from South Africa

Q125. A rainbow is produced due to which one of the following phenomena ?

- (a) Dispersion of light
- (b) Interference of light
- (c) Diffraction of light
- (d) Scattering of light by atmospheric dust

Q126. Bats detect obstacles in their path by receiving the reflected

- (a) Infrasonic waves
- (b) Ultrasonic waves
- (c) Radio waves
- (d) Microwaves

Q127. The statement that 'heat cannot flow by itself from a body at a lower temperature to a body at a higher temperature', is known as

- (a) Zeroth law of thermodynamics
- (b) First law of thermodynamics
- (c) Second law of thermodynamics
- (d) Third law of thermodynamics

Q128. Which one of the following waves does not belong to the category of the other three ?

- (a) X-rays
- (b) Microwaves
- (c) Radio waves
- (d) Sound waves

Q129. Which one of the following statements is not correct ?

- (a) Human eye is a refracting system containing a diverging lens.
- (b) The retina of the human eye contains millions of light sensitive cells, called rods and cones, which convert the light into electrical messages.
- (c) Every image that is focused on the retina is upside down.
- (d) We need both eyes to judge the relative positions of objects accurately.

Q130. Which one of the following statements is not correct ?

- (a) Ultrasonic waves cannot get reflected, refracted or absorbed.
- (b) Ultrasonic waves are used to detect the presence of defects like cracks, porosity, etc. in the internal structure of common structure materials.
- (c) Ultrasonic waves can be used for making holes in very hard materials like diamond.
- (d) Ultrasonic waves cannot travel through vacuum.

Q131. According to the Travel and Tourism Competitiveness Index (TTCI) 2017 released by the World Economic Forum, among the 136 economies across the world, India ranked

- (a) 50th
- (b) 40th
- (c) 30th
- (d) 20th

Q132. Which one of the following is the theme of the World Health Day, 2017 celebrated by the World Health Organization ?

- (a) Diabetes
- (b) Food Safety
- (c) Depression : Let's Talk
- (d) Ageing and Health

Q133. Which one of the following Ministries has launched a new programme on Interdisciplinary Cyber Physical Systems (ICPS) to foster and promote R&D ?

- (a) Ministry of Earth Sciences
- (b) Ministry of Science and Technology
- (c) Ministry of Information and Broadcasting
- (d) Ministry of New and Renewable Energy

Q134. Consider the following statements about the Nagara style of temple architecture :
1. This style of temples are commonly found in the areas between Himalayas and Vindhya.
2. The most striking feature of this style is its pyramidal shikhara.
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

Q135. Ashoka's connection with Buddhism is evident from which one of the following edicts ?

- (a) Major Rock Edict 13
- (b) Rock Edict 6
- (c) Minor Rock Edict 1
- (d) Pillar Edict 4

Q136. The Cabinet Mission Plan for India envisaged a

- (a) Federation
- (b) Confederation
- (c) Unitary form of Government
- (d) Union of States

Q137. The creation of the institution of Lokpal was first recommended by

- (a) Law Commission
- (b) Santhanam Committee
- (c) Shah Commission
- (d) Administrative Reforms Commission

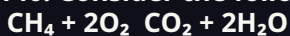
Q138. Which one of the following is a cause of acid rains ?

- (a) Ozone
- (b) Ammonia
- (c) Sulphur dioxide
- (d) Carbon monoxide

Q139. The desirable range of pH for drinking water is

- (a) 6.5 to 8.5
- (b) 5.0 to 6.5
- (c) 6.5 to 7.0
- (d) 7.0 to 8.5

Q140. Consider the following reaction :



Which of the following about the reaction given above is/are correct ?

- 1. Carbon is oxidized.**
- 2. Hydrogen is oxidized.**
- 3. Hydrogen is reduced.**
- 4. Carbon is reduced.**

Select the correct answer using the code given below :

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

Q141. Sunrise in eastern Arunachal Pradesh would be about how many hours before the sunrise in western Gujarat ?

- (a) One hour
- (b) Two hours
- (c) Three hours
- (d) Four hours

Q142. Consider the following States of India in terms of percentage of forest area in relation to the total area of the State :

- 1. Karnataka**
- 2. Odisha**
- 3. Kerala**
- 4. Andhra Pradesh**

Which one of the following is the correct descending order ?

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

Q143. Which one of the following States in India has the longest coastline ?

- (a) Odisha
- (b) Tamil Nadu
- (c) Karnataka
- (d) West Bengal

Q144. Which one of the following States in India has the largest area under forest cover ?

- (a) Maharashtra
- (b) Chhattisgarh
- (c) Madhya Pradesh
- (d) Andhra Pradesh

Q145. Which one of the following is not an igneous rock ?

- (a) Gabbro
- (b) Granite
- (c) Dolomite
- (d) Basalt

Q146. The Coriolis effect is the result of

- (a) Pressure gradient
- (b) Earth's axis of inclination
- (c) Earth's rotation
- (d) Earth's revolution

Q147. Where is Mekong Delta located ?

- (a) Thailand
- (b) Cambodia
- (c) Myanmar
- (d) Vietnam

Q148. Which one of the following pairs of rivers and tributaries is not correctly matched ?

- (a) Godavari : Indravati
- (b) Ganga : Penganga
- (c) Krishna : Bhima
- (d) Luni : Sukri

Q149. Consider the following characteristics of a tropical cyclone :

- 1. A warm sea temperature of $> 26^{\circ}\text{C}$**
- 2. High relative humidity of atmosphere at a height of $> 700\text{ m}$**
- 3. Atmospheric instability**

The above mentioned characteristics are associated with which one of the following cycles of its development ?

- (a) Formulation and initial stage
- (b) Modification stage
- (c) Full maturity
- (d) Decay

Q150. In the Mesopotamian records, which one of the following terms was used for the Indus Valley (Harappans) ?

- (a) Dilmun
- (b) Meluha
- (c) Magan
- (d) Failaka