

1. Which of the following sectors has attracted the highest Foreign Direct Investment flows into India during the recent years ?
- (A) Chemicals other than fertilizers
(B) Services Sector
(C) Food Processing
(D) Telecommunication
2. Three US Scientists have been awarded the Nobel prize in Physics for their work on gravitational waves. Which of the following is not one of them ?
- (A) Rainer Weiss
(B) Kip Thorne
(C) Barry Barish
(D) Jay Hannigam
3. Dark coloured soil with high water holding capacity is considered highly productive as it contains :
- (A) High clay content
(B) Sand and calcium
(C) Clay and humus
(D) Silt and earthworms
4. The introduction of new life forms in a denuded habitat is initiated by the process of :
- (A) Ecesis
(B) Aggregation
(C) Migration
(D) Coactions
5. Biological equilibrium is the balance between :
- (A) Producers and consumers
(B) Producers and nutrients
(C) Consumers and ecological factors
(D) Producers, consumers and decomposers
6. In a pond ecosystem, the BOD increases due to :
- (A) Photosynthetic activity of algae
(B) High density of aquatic macrophytes
(C) High density of fish
(D) Increase in the population of bacteria
7. Ozone layer in the stratosphere is affected by the increase in the atmospheric concentration of :
- (A) CO_2
(B) NH_3
(C) SO_2
(D) CFC
8. Considering the global warming potential of CO_2 as one, the global warming potential of CH_4 has been estimated to be approximately :
- (A) 12
(B) 15
(C) 21
(D) 35

9. The pollutants like phenol and mercury can be removed from water by:
- (A) Sedimentation
 - (B) Electro-dialysis
 - (C) Filtration
 - (D) Biological oxidation
10. The pollutant generated in high quantity by the thermal power plants is:
- (A) SO_2
 - (B) CO
 - (C) NH_3
 - (D) Flyash
11. Which of the following cities is associated with organization of "Earth Summit"?
- (A) New Delhi
 - (B) Geneva
 - (C) Rio-de-Jeneiro
 - (D) Sydney
12. LNG stands for:
- (A) Liquid Nitrogen Gas
 - (B) Liquefied Nitrogen Gas
 - (C) Liquid Neon Gas
 - (D) Liquefied Natural Gas
13. Kyoto Protocol was signed by member countries at Kyoto (Japan) in:
- (A) 1995
 - (B) 1997
 - (C) 1999
 - (D) 2003
14. The first nuclear reactor in India was built in the year 1956. Its name was
- (A) Kamini
 - (B) Rohini
 - (C) Bhaskar
 - (D) Apsara
15. What is a bio-gas plant?
- (A) Digester
 - (B) Aerobic digester
 - (C) Anaerobic digester
 - (D) Gassifier
16. What for OTEC stands?
- (A) Odisha Thermal Energy Corporation
 - (B) Ocean Temperature Energy Conversion
 - (C) Ocean Thermal Energy Conversion
 - (D) Organization of Thermal Energy Conversion
17. Bronze is an alloy of:
- (A) Copper and Nickel
 - (B) Copper and Iron
 - (C) Copper and Tin
 - (D) Copper and Aluminium
18. Which of the following is an ore of Iron?
- (A) Siderite
 - (B) Malachite
 - (C) Bauxite
 - (D) Anglesite

19. Silviculture is the :
- (A) Art and Science of cultivating herbs
 - (B) Art and Science of cultivating grasses
 - (C) Art and Science of cultivating flowers

(D) Art and Science of cultivating forest trees

20. Arid Forest Research Institute (AFRI) is situated at :

(A) Nagpur
(B) Jodhpur

- (C) Kanpur
(D) Fatehpur

21. It is thought that dozens of ships and planes have disappeared under mysterious circumstances in the area. To most people, it is an area of bad luck and extra-terrestrial activity. This area is known as :

(A) Bermuda triangle

- (B) Cuba
(C) Puerto Rico
(D) Gulf of Mexico

22. Bleaching powder used in Fish pond is working as :

(A) Disinfectant

- (B) Sterelent
(C) Snail Controller
(D) Parasticide

23. What is a fishing gear ?

- (A) Motorised boats
(B) Wooden boats

(C) Devices used to catch prawn and lobsters such as nets, traps, hooks and even hands

- (D) None of the above

24. The approximate life time of a common electric bulb is 1,000 hrs whereas the approximate life time of a LED bulb is :

- (A) 5,000 hrs
(B) 10,000 hrs
(C) 20,000 hrs
(D) 50,000 hrs

25. The safe threshold limit of CO_2 concentration in the atmosphere in ppm is :

(A) 350

- (B) 600
(C) 800
(D) 1000

10,0000
100 - 0.03
10000 - 3

Contd.

26. The detection of gravitational wave on 14th September, 2015 by the LIGO collaboration from the merger of two black holes, is the first direct detection of gravitational waves and the first observation of a binary black hole merger. This provides evidence for:

(A) Arrhenius theory of electrolytic dissociation

(B) Einstein's general theory of relativity

(C) Newton's law of gravity

(D) Theory of black body radiation

27. What is a syngas ?

(A) It is a gas mixture of CO , H_2 , CO_2 and N_2

(B) It is a gas mixture of CH_4 , O_2 and CO

(C) It is a gas mixture of CH_4 , CO_2 , N_2 , H_2 and O_2

(D) It is a gas mixture of H_2 and O_2

28. Which Committee has been constituted by the Union Government to continuously monitor the solutions to air pollution ?

(A) Bhure Lal Committee

(B) Sunita Narain Committee

(C) C. K. Mishra Committee

(D) Harsh Vardhan Committee

29. The two major functional components of any ecosystem are :

(A) Energy flow and producers

(B) Nutrients cycling and energy flow

(C) Energy flow and decomposer population

(D) Consumers and energy flow

30. Extinct, critically endangered and vulnerable are the categories assigned to the species by :

(A) UNO

(B) IUCN

(C) FAO

(D) UNEP

31. Which of the following Miss World Title holders are from India ?

(1) Diana Hayden

(2) Yukta Mookhay

(3) Priyanka Chopra

(4) Manushi Chhillar

(A) (3) and (4)

(B) (2), (3) and (4)

(C) (1), (2) and (3)

(D) (1), (2) (3) and (4)

32. What is the rank of India in the Inclusive Development Index as given by the World Economic Forum ?

(A) 50th

(B) 60th

(C) 55th

(D) 66th

33. What is the theme of the International Day for the Disaster Reduction, 2017 ?
- (A) Living with Disabilities and Disasters
 - (B) Knowledge for life
 - (C) Resilience is for life
 - (D) Home Safe Home : Reducing Exposure, Reducing Displacement
34. Give It Up campaign is related to which of the following ?
- (A) Tobacco use
 - (B) Alcohol use
 - (C) LPG subsidy
 - (D) None of the above
35. Recently, International Union of concerned scientists down-listed which of the following from the list of endangered to vulnerable species ?
- (A) Black necked crane
 - (B) Snow leopard
 - (C) Black falcon
 - (D) Polar bear
36. Taking in view Naxal attack in Sukma, Ministry of Home Affairs response to Naxal Problem was :
- (A) Sampada scheme
 - (B) Samadhan doctrine
 - (C) Jigyasa initiative
 - (D) None of the above
37. Which of the following ports are used by China for its string of pearls policy ?
- (A) Hambantota
 - (B) Gwadar
 - (C) Bandar Abbas
 - (D) (A) and (B)
38. The International Astronomical Union (IAU) has named two mountains ranges on the dwarf planet Pluto after whom ?
- (A) Tenzing Norgay and Arunima Sinha
 - (B) Arunima Sinha and Edmund Hillary
 - (C) Edmund Hillary and Kalpana Chawla
 - (D) Tenzing Norgay and Edmund Hillary
39. Name the Indian boxer who has won the gold medal in 2017 Asian Women's Boxing Champions ?
- (A) Kavita Chahal
 - (B) Pinki Rani
 - (C) Mary Kom
 - (D) Kavita Goyat
40. India has been re-elected as member of the Executive Board of which organization of UNO ?
- (A) UNICEF
 - (B) WHO
 - (C) UNESCO
 - (D) ICJ

41. Which state became the first state of India to ratify GST bill ?

- (A) Assam
- (B) Telangana
- (C) Bihar
- (D) Arunachal Pradesh

42. GST was introduced as the _____ Amendment Act.

- (A) 100
- (B) 101
- (C) 102
- (D) 103

43. Which of the following denomination note was introduced immediately after announcing Demonetization ?

- (A) 200
- (B) 400
- (C) 2000
- (D) 1000

44. Which state govt. has put in force 'No helmet no petrol' rule for two-wheeler riders ?

- (A) Gujarat
- (B) Rajasthan
- (C) Andhra Pradesh
- (D) Tamil Nadu

45. Indica was written by :

- (A) Strabo
- (B) Megasthenes
- (C) Justin
- (D) Pliny

46. The **Rajtarangini** composed by Kalhana in the twelfth century is the main source of :

- (A) History of Assam
- (B) History of Nepal
- (C) History of Medieval Kashmir
- (D) Post-Gupta Economics

47. Match the List - I with List - II and select the code given below :

List - I (Scholars)

- (a) Dayanand Saraswati
- (b) Bal Gangadhar Tilak
- (c) Max Muller
- (d) Ganganath Jha

List - II (Original homeland of the Aryans)

- 1. Central Asia
- 2. Tibet
- 3. Sapta Sindhu Region
- 4. Arctic Region

Codes : (a) (b) (c) (d)

- (A) 2 4 1 3
- (B) 1 2 4 3
- (C) 2 1 4 3
- (D) 1 3 4 2

48. King Ashoka became Buddhist after he was horrified with the tyranny of Kalinga War. It was in :

- (A) 258 B. C.
- (B) 260 B. C.
- (C) 200 B. C.
- (D) 327 B. C.

49. Which of the following Odisha type Nagara style temples are found at Bhubaneswar ?

1. Jagannath temple
2. Lingaraja temple
3. Sun temple
4. Mukteswar temple
5. Parasurameswara temple

Choose the answers from the codes below :

(A) 4 and 5

(B) 2 only

(C) 2, 4 and 5

(D) 1, 3 and 5

50. The story that Alauddin Khilji invaded to secure Padmini, the queen of Rana Ratna Singh of Mewar, was vividly described by :

(A) Malik Muhammad Jayasi in his epic Padmavat

(B) Ibn-Batuta in his Rehla

(C) Amir Khusrav in Khazain ul Futuh

(D) Col. J. Todd in Annals and Antiquities of Rajasthan

51. Who among these was never elected to the Presidentship of INC ?

(A) George Yule

(B) Alfred Webb

(C) Khan Abdul Gaffar Khan (Badsah Khan)

(D) Nawab Syed

52. Which among the following places were set up as Vedanta Centres when Swami Vivekananda visited U.S.A. in 1899 ?

1. Chicago

2. New York

3. San Francisco

4. Los Angeles

Codes :

(A) 1 and 2

(B) 2 and 3

(C) 2 and 4

(D) 3 and 4

53. Who moved (and withdrew) a resolution for the enfranchisement of women in the 1917 Session of Indian National Congress ?

(A) Annie Besant

(B) Sarojini Naidu

(C) Kamaladevi Chattopadhyay

(D) Aruna Asaf Ali

54. V. D. Savarkar authored the book :

(A) Eighteen Fifty Seven

(B) The Sepoy Mutiny

(C) The Indian War of Independence

(D) Rebellions in the Indian Mutinies

55. Which of the following peasant movements is not properly matched with the state in which it was launched ?
- (A) Moplah Rebellion – Kerala
- (B) Pabna Agrarian Movement – Maharashtra
- (C) Kisan Sabha and Ekta (Unity) Movement — Uttar Pradesh
- (D) Bardoli Satyagraha — Gujarat
56. Who founded the Satyabadi School with Nationalist Spirit in Odisha ?
- (A) Acharya Harihar
- (B) Madhusudhan Rao
- (C) Gopabandhu Das
- (D) Kripasindhu Mishra
57. Who among these was not a member of the Cabinet Mission ?
- (A) A. V. Alexander
- (B) Archibald Wavell
- (C) Stafford Cripps
- (D) Pethick Lawrence
58. The greatest crisis that Akbar faced in 1580-81 was when
- (A) Salim revolted
- (B) The disgruntled nobles and officers declared Akbar's half-brother Mirza Hakim as their ruler
- (C) Rana Pratap escaped from the battle of Haldighat
- (D) Yusufzais revolted in the North West Frontier
59. Which of the following rock types, the Quartzite is related to ?
- (A) Igneous Rocks
- (B) Sedimentary Rocks
- (C) Metamorphic Rocks
- (D) None of the above
60. Which of the following towns of India is located on Tropic of Cancer ?
- (A) Bhuj
- (B) Bhopal
- (C) Gandhinagar
- (D) Banswada
61. On the basis of area which of the following is the correct descending order of Indian Union Territories ?
- (A) Delhi, Pondicherry and Andaman and Nicobar
- (B) Pondicherry, Andaman and Nicobar and Delhi
- (C) Andaman and Nicobar, Delhi and Pondicherry
- (D) Andaman and Nicobar, Pondicherry and Delhi

62. Which of the following mountains is the oldest ?
- (A) Dinaric Alps
 - (B) Aravalli
 - (C) Tienshan
 - (D) Satpura
63. Which of the following pairs of Indian Forests is not correctly matched ?
- (A) Monsoon Forest — Teak
 - (B) Mangrove Forest — Sundari
 - (C) Evergreen Forest — Rosewood
 - (D) Savanna Forest — Pipal
64. On which of the following Indian Rivers the Maitoor Project has been constructed ?
- (A) Kaveri
 - (B) Krishna
 - (C) Yamuna
 - (D) Narmada
65. The ideal temperature of ocean water for the growth of Corals is :
- (A) $10^{\circ}\text{C} - 15^{\circ}\text{C}$
 - (B) $15^{\circ}\text{C} - 20^{\circ}\text{C}$
 - (C) $20^{\circ}\text{C} - 25^{\circ}\text{C}$
 - (D) $25^{\circ}\text{C} - 30^{\circ}\text{C}$
66. Tropical cyclones are not found between 10° north latitude and 10° south latitude due to :
- (A) High Temperature
 - (B) Low Salinity
 - (C) Great Depth of Water
 - (D) Minimum Coriolis Effect
67. Which of the following is famous for the Cotton Textile Industry ?
- (A) Lancashire
 - (B) New Castle
 - (C) Sheffield
 - (D) Durham
68. Which of the following metals, the Zawar mines of Udaipur are famous for ?
- (A) Iron ore
 - (B) Mica
 - (C) Zinc
 - (D) Manganese
69. Which of the following Indian States is the greatest producer of wind energy ?
- (A) Tamil Nadu
 - (B) Maharashtra
 - (C) Karnataka
 - (D) Rajasthan
70. Which of the following Iron and Steel Plants does not function under the Steel Authority of India Limited ?
- (A) Durgapur
 - (B) Rourkela
 - (C) Bhilai
 - (D) Jamshedpur

71. The Pygmy tribe is associated with :

- (A) Sahara
- (B) Congo Basin
- (C) East Africa
- (D) Kalahari

72. Which of the following countries has the highest Anthracite Coal reserves ?

- (A) Russia
- (B) U. S. A.
- (C) China
- (D) U. K.

73. Which of the following are matters on which the Parliament has power to modify provisions of the Constitution by the simple majority ?

1. Alternation of names, boundaries and areas of States
2. Appointment of Additional Judges
3. Abolition of second chamber of State Legislature
4. Administration of Scheduled Areas

Select the correct answer using the codes given below :

- (A) 1, 2 and 3
- (B) 1, 2 and 4
- (C) None of the options
- (D) 2, 3 and 4

74. Who among the following was the Chairman of the Committee of the Constituent Assembly ?

- (A) Dr. B. R. Ambedkar
- (B) Jawaharlal Nehru
- (C) Dr. Rajendra Prasad
- (D) Sardar Patel

75. The Indian Federation is based on the pattern of :

- (A) Switzerland
- (B) USA
- (C) Russia
- (D) Canada

76. Which of the following are included in the Directive Principles of State Policy in the Constitution of India ?

1. Uniform Civil Code for the citizens
2. Separation of Judiciary from Executive
3. Protection of monuments of national importance

Select the correct answer by using the codes given below :

- (A) 1 and 2
- (B) 2 and 3
- (C) 1 and 3
- (D) 1, 2 and 3

77. The philosophical postulates of the Constitution of India are based on :
- (A) Nehru Report, 1928
- (B) Objective Resolution of Pandit Nehru, 1947
- (C) Mahatma Gandhi's article "Independence in Young India", 1922
- (D) Indian National Congress's Resolution for Complete Independence, 1929
78. Who, among the following, was not a member of the State Reorganization Commission (SRC) appointed by Pandit Jawaharlal Nehru ?
- (A) Justice Fazl Ali
- (B) Potti Sriramulu
- (C) K. M. Panikar
- (D) Haridayanath Kunzru
79. Under Article 368, the Parliament has no power to repeal Fundamental Rights because these are :
- (A) Enshrined in Part-3 of the Constitution
- (B) Human Rights
- (C) Transcendental Rights
- (D) Part of Basic Structure of the Constitution
80. Which of the following is not an element of 'Secular State' in India ?
- (A) Civil equality
- (B) Taxation on religious property
- (C) Freedom of religion
- (D) No religious education by the state
81. Which of the following Act introduced bi-Cameral Legislature at the central level in India ?
- (A) Indian Council Act, 1909
- (B) The Government of India Act, 1919
- (C) The Government of India Act, 1935
- (D) The Indian Independence Act, 1947
82. Who said, "All communalism is harmful. The logic of minority communalism is separatism, and majority communalism culminates into fascism" ?
- (A) Asish Nandy
- (B) Bipin Chandra
- (C) Zoya Hassan
- (D) Bhikhu Parekh
83. Article 371 of the Constitution of India provides for special provision with respect to which of the following state(s) ?
- (A) Andhra Pradesh
- (B) Assam
- (C) Nagaland and Sikkim
- (D) Maharashtra and Gujarat

84. Which of the following is not a correct statement regarding unitary system ?

(A) In a unitary system, there is one State and one Government

(B) There is constitutional division of powers between the Central and the Local Governments

(C) Local bodies derive their power and autonomy from the Central Government

(D) Unitary system is particularly suited for a small country

85. 73rd Amendment does not apply to the states of :

1. Nagaland

2. Mizoram

3. Jammu and Kashmir

4. Meghalaya

Select the correct answer using the codes given below :

(A) 1 and 2

(B) 1, 2 and 4

(C) 1, 2, 3 and 4

(D) 2 and 3

86. The Chairman and members of the UPSC hold office for the term of :

(A) Three years

(B) Four years

(C) Five years

(D) Six years

87. Which one of the following is not a salient feature of the Constitution of India ?

(A) Written Constitution and Supremacy of the Constitution

(B) Quasi-federal structure

(C) Committed Judiciary

(D) Distribution of Powers

88. Which of the following is not a cause of Inequality in India ?

(A) Inequality in the ownership of assets

(B) Laws of Inheritance

(C) Corruption and Smuggling

(D) Growth of Service Sector in India

89. Which of the following is not an objective of Niti Aayog ?

(A) Allocating financial resources to states

(B) To foster cooperative federalism by evolving a shared vision of National Development Priorities

(C) To develop mechanisms to formulate credible plans to the village level and aggregate these progressively at higher levels of government

(D) To pay attention to the weaker sections of the society that may not have benefitted from economic progress

(Turn over)

90. Which statement depict the best definition of Sustainable Development ?

- (A) It means optimal utilisation of natural resources
- (B) Sustainable use and natural resources without considering the need of the future generation
- (C) Present generation fulfils it's needs while considers the need of future generation as well
- (D) None of the above

91. Which of the following is not a cause of growing consumer goods market in India ?

- (A) Growth of middle class in India
- (B) Urbanisation
- (C) Liberalisation policy of Government
- (D) Growing Inequality in India

92. NAFED is a cooperative organisation of the :

- (A) State Level
- (B) National Level
- (C) District Level
- (D) Panchayat Level

93. 'Pradhan Mantri Jan Dhan Yojana' is run by :

- (A) Scheduled Commercial Banks
- (B) Department of Financial Services, Ministry of Finance
- (C) Ministry of Rural Development
- (D) Reserve Bank of India

94. What does it mean by Human Capital Formation ?

- (A) Development of Infrastructure for the Economy
- (B) Development of abilities and skills of people
- (C) Increase in the stock of machines, equipment, buildings in the Economy
- (D) Growth of Bank deposits

95. The main argument to establish 'Special Economic Zones' in India is :

- (A) To give a boost to export of manufactured goods
- (B) To promote export of agricultural goods
- (C) To give a boost to domestic demand for manufactured goods
- (D) None of the above

96. Janani Surakhya Yojana is a :

(A) Hundred percent Centrally Sponsored Scheme

(B) Hundred percent State Sponsored Scheme

(C) Centre and state has 50 : 50 share

(D) Fully sponsored by the private sector

97. Inclusive Growth in India can be achieved :

(A) Through a Progressive tax

(B) Through a Regressive tax

(C) Through a Proportional tax

(D) By completely scrapping all taxes

98. Payment Banks are different from other Commercial Banks in the following ways :

(A) These banks only accept deposits

(B) Only provide payments and remittances services

(C) Only distribute third party financial products

(D) Accept deposit, provide payments and remittances services, distribute third party financial products but are not allowed to lend or issue cards

99. Usual Principal Status Employment is measured in :

(A) Number of persons who did not find even an hour of work during the survey week

(B) Number of persons who remained unemployed for a major part of the year

(C) Number of persons who did not find work in a day or some days during the survey week

(D) None of the above

100. Tendulkar Committee was appointed on :

(A) Poverty Estimation

(B) Industry Sector Reforms

(C) Bank Frauds

(D) Public Welfare

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