

# CIVIL SERVICES PRELIMS MODEL PAPER

No. of Questions: 100

Marks: 200

Time: 2 Hours

## GENERAL STUDIES PAPER – 1

1. Which of the following statements with regards Rakhigarhi is/ are correct?  
i) Recent excavations carried out suggest that Rakhigarhi is the biggest Harrapan site.  
ii) Rakhigarhi is situated in the state of Gujarat.  
a) Only i is correct  
b) Only ii is correct  
c) Both are correct  
d) None is correct
2. Consider the following statements about Gayatri mantra  
i) It was composed by Vashishtha.  
ii) It is part of the third 'mandala' of Rigveda.  
iii) It is devoted to god 'Savitra'  
Which of the above is/ are correct?  
a) Only i & ii  
b) Only ii & iii  
c) Only i  
d) Only iii
3. Which Bodhisattva Mudra symbolizes Shakyamunis Victory over Mara?  
a) Bhumisparsha mudra  
b) Vitarka mudra  
c) Shramana mudra  
d) Tarjana mudra
4. Consider the following statements about Vaishnava Pantheon & mark the correct statement(s).  
i) History of Viashnavism involved gradual coming together of many cults which were independent earlier.  
ii) First detailed account of Krishna's life story occurs in 'Harivamsha', an appendix to the Mahabharata.  
a) Only i is correct  
b) Only ii is correct  
c) Both are correct  
d) None is correct
5. Consider the following statements about 'Yoga':  
i) The author of Yogasutra is unknown, though this text came to be attributed to Patanjali.  
ii) Yoga sutras describe 5 stages of yoga.  
iii) Yoga sutras state that their aim is to achieve physical fitness & freedom from illness.  
Which of the above is/ are correct?  
a) Both i & ii  
b) Both ii & iii  
c) Only iii  
d) Only i
6. Consider the following statements about Cave architecture between 300 – 600 CE.  
i) The Cave architecture of this period in North India is almost entirely Buddhist.  
ii) Elephanta caves are the exception where the largest cave is dedicated to Vishnu.  
iii) Majority of caves found at Ajanta belong to Vakataka period.  
Mark the correct answer from the given options:  
a) Only i & ii are correct  
b) Only ii & iii  
c) Only i & iii  
d) All of the above

7. Consider the following statements about the text named Panchatantra:  
i) The text is said to be composed in Gupta Empire.  
ii) It is an example of a 'nidarshana' composition.  
Which of the above is/ are correct?  
a) Only i is correct  
b) Only ii is correct  
c) Both are correct  
d) None is correct
8. Which of the following is the correct term for the 'uttered conversation of Sufi Saints'?  
a) Malfuzat  
b) Maktubat  
c) Tazkiras  
d) None of these
9. Consider the following statements about Lingayats.  
i) Their tradition began in 12<sup>th</sup> century & was led by a person named 'Basavanna' who was initially a Jaina.  
ii) Lingayats believe that on death, the devotee will be united with Shiva.  
iii) Instead of practicing funerary rites prescribed in Dharmashastras, they bury their dead.  
Which of the above is/ are correct?  
a) Only i & ii  
b) Only ii & iii  
c) Only i & iii  
d) All of the above
10. Which of the following elements became part of temple architecture during Vijayanagar period?  
i) Gopurams  
ii) Kalyanmandapa  
iii) Separate shrine for the Goddesses  
a) Only i  
b) Only i & ii  
c) Only ii & iii  
d) All of the above
11. Which one of the following is not a landform which results due to rejuvenation of a river?  
a) Incised meander  
b) Knick point  
c) Oxbow lake  
d) River terrace
12. Niagara Falls is located between which of the following pairs of lakes?  
a) Lake Superior and Lake Huron  
b) Lake Huron and Lake Erie  
c) Lake Erie and Lake Ontario  
d) Lake Ontario and Lake Huron
13. The boundary zone between the North American plate and the Eurasian plate exhibits conditions of:  
a) convergence  
b) divergence  
c) sinking  
d) sliding
14. **Assertion (A):** Hurricanes do not originate in South Atlantic Ocean and South–Eastern Pacific Ocean.  
**Reason (R):** In South Atlantic and South Eastern Pacific Oceans, the Inter–tropical Convergence Zone seldom occurs.  
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.

15. Consider the following statements:

1. Most rainfall and snowfall in the midlatitudes are formed by the ice-crystal process.
2. The base of cirrus clouds invariably occurs at altitude below 5000 m.

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

16. Northern part of Australia is typified by which one of the following?

- a) Equatorial climate                      b) Mediterranean climate  
c) Temperate climate                      d) Monsoon climate

17. Consider the following statements:

1. A hurricane acquires its spin from the Coriolis effect.
2. The diameter of the hurricane decreases as it moves away from low latitudes.
3. The diameter of a hurricane is never below 150 km.

Which of the statements given above is/ are correct?

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

18. World Investment Report is published by:

- a) World Bank  
b) World Economic Forum  
c) United Nations Conference on Trade and Development  
d) World Trade Organization

19. Consider the following statements:

1. Equatorial countercurrent is more strongly developed in Pacific Ocean than in Atlantic Ocean.
2. Equatorial countercurrent flows in westward direction.

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

20. Which of the following determine the amount of phytoplanktons in the ocean waters?

1. The ocean currents                      2. The temperature and salinity
3. The depth of ocean waters                      4. Length of day and night

Select the correct answer using the code given below:

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

21. **Assertion (A):** Vertisols are most extensive in Australia, India and Sudan.

**Reason (R):** The clay-producing materials are available in mesothermal or tropical climates with periodic dry and wet seasons.

- 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.

22. Which one of the following terms describes not only the physical space occupied by an organism, but also its functional role in the community of organisms?
- a) Ecotone  
b) Ecological niche  
c) Habitat  
d) Home range
23. The Salim Ali Centre for Ornithology & Natural History (SACON) was established with the objective of establishing and developing a Centre of Excellence to assist, institute, conduct and promote scientific research in ornithology, and of species, habitats and ecosystems with and within which avifauna coexist. Which of the following statement is correct with regard to SACON?
- I. It's a public – NGO partnership between the MoEF, and the Bombay Natural History Society (BNHS)  
II. It's situated at Anaikatty, Coimbatore, Tamil Nadu.
- a) I only  
b) II only  
c) Both I and II  
d) None
24. Consider the following statements with regard to wetland and mark the correct answer.
1. World Wetlands Day is celebrated each year on 2<sup>nd</sup> February, to mark the date of the adoption of the Convention on Wetlands and was celebrated for the first time in 1997, on the 16<sup>th</sup> anniversary of the Ramsar Convention.
  2. Ramsar, the Iranian city is on the shores of the Caspian Sea.
  3. Ramsar convention does not talk about Promoting international cooperation especially with regard to trans boundary wetlands, shared water systems, and shared species.
  4. One of the obligations of countries which are party to the Ramsar Convention is to Create wetland reserves.
- a) 1 and 4 only  
b) 1, 2 and 3 only  
c) 3 and 4 only  
d) 1, 2 and 4 only
25. Among the followings identify the flavour enhancer.
- a) polychlorinated biphenyls  
b) Vitamin E  
c) monosodium glutamate  
d) coaltar
26. Consider the following:
- I. Phosphoric acid  
II. Boric Acid  
III. Sodium Benzoate
- Which of the above is/ are used as food preservatives?
- a) III only  
b) II only  
c) II & III only  
d) I, II and III
27. Consider the following statements about The Malabar Civet, a critically endangered animal:
1. The Malabar Civet is considered to be one of the world's rarest mammals endemic to India and found exclusively in the Western Ghats.
  2. Its habitat is wooded plains and hill slopes of evergreen rainforests.
  3. Deforestation and commercial plantations are major threats.
- Which of the above statements are correct?
- a) 1 only  
b) 1 and 3 only  
c) 2 and 3 only  
d) 1, 2 and 3

28. Following state in India has become the first state to adopt Fly Ash Utilisation Policy  
a) Madhya Pradesh      b) Andhra Pradesh      c) Maharashtra      d) Telangana
29. Consider the following statements:  
1. World Environment Day is celebrated each year on 5<sup>th</sup> June, the Day which marks the opening of the United Nations Conference on Human Environment in Stockholm in 1972.  
2. The theme of this year's environment day is "Connecting People to Nature – in the city and on the land, from the poles to the equator."  
Which of the above statements is/ are correct?  
a) 1 only      b) 2 only      c) Both 1 and 2      d) Neither 1 nor 2
30. Consider the following with regard to Asiatic lions:  
1. The Gir sanctuary is the only home for the Asiatic lions.  
2. Asiatic lions are not classified as an endangered species.  
3. The Palpur Kuno sanctuary, under Sheopur district of Gwalior division, has been chosen as the second home for Gir's Asiatic lions.  
Which of the above statements are correct?  
a) 1 only      b) 1 and 2 only      c) 1 and 3 only      d) 1, 2 and 3
31. Which of the following statement/s with regard to Agricultural biodiversity – or agro biodiversity is/ are correct?  
1. Increase productivity, food security, and economic returns  
2. Reduce the pressure of agriculture on fragile areas, forests and endangered species and Conserve ecosystem structure and stability of species diversity  
3. Contribute to sound pest and disease management  
4. The first ever International Congress on Agrobiodiversity (IAC 2016) took place in Delhi in November, 2016.  
a) 2 only      b) 1 and 2 only      c) 1, 2 and 4 only      d) 1, 2 3 and 4
32. Consider the following statements regarding World Science Day for Peace and Development.  
1. It's an internationally celebrated day to highlight the importance of science in and for society and that science, peace and development are interlinked.  
2. It was proclaimed by UNESCO in 2001 and celebrated every 10<sup>th</sup> November.  
3. The 2016 World Science Day for Peace and Development is dedicated to the theme "Celebrating Science Centres and Science Museums".  
Which of the above statements is/ are correct?  
a) 3 only      b) 1 and 3 only      c) 1 and 2 only      d) 1, 2 and 3
33. The pelagic deposits are those which are found over deep sea plains and the deeps. Which of the following statements is/ are correct regarding Pelagic deposits:  
1. Pelagic deposits cover about 75% of the total sea floor.  
2. Most abundant Organic pelagic deposits are the calcareous ooze.  
3. Most widespread Inorganic pelagic deposits are red clay.  
a) 1 only      b) 1 and 2 only      c) 2 and 3 only      d) 1, 2 and 3

34. Match List – I with List – II and select the correct code from the list given.

**List – I**

(Wildlife Sanctuaries)

A. Mahananda

B. Malabar

C. Satyamangalam

D. Lakhari Valley

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

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

**List – II**

(State)

1) West Bengal

2) Kerala

3) TamilNadu

4) Orissa

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

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

35. Consider the following statements:

I. The repo rate is the rate at which other banks borrow from the Reserve Bank of India.

II. A value of 1 for Gini Coefficient in a country implies that there is perfectly equal income for everyone in its population.

Which of the statements given above is/ are correct?

a) I only

b) II only

c) Both I and II

d) Neither I nor II

36. Participatory Notes (PNs) are associated with which one of the following?

a) Consolidated Fund of India

b) Foreign Institutional Investment

c) Foreign Direct Investment

d) Kyoto Protocol

37. Consider the following statements:

1. 'Balance of Payments' represents a better picture of a country's economic transactions with the rest of the world than the 'Balance of Trade'.

2. 'Balance of Payments' takes into account the exchange of both visible and invisible items whereas 'Balance of Trade' does not.

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

38. Fiscal Responsibility and Budget Management Act (FRBMA) aim to make the following:

a) Fiscal deficit

b) Revenue deficit

c) Primary deficit

d) Effective revenue deficit

39. The method used by the Parliament to exercise control over public finance is:

a) Through the Appropriation Bill to allow withdrawals from Consolidated Fund of India

b) vote-on-account

c) Interim Budget

d) All of these

40. If a member of State Legislative Assembly wants to content to the legislature of another State, the following is necessary

a) resign from the membership

b) enroll as a voter in the latter state

c) Both (a) and (b)

d) Neither (a) nor (b)

41. The country can make any law for entering into international treaties without the consent of:  
a) Any State/ UT                      b) Lok Sabha                      c) RajyaSabha                      d) All of these
42. Which of the following statements is/ are correct?  
I. Only adult members of below poverty line (BPL) households are eligible to benefit from the Mahatma Gandhi National Rural Employment Guarantee Act.  
II. The purpose of Mega Food Park is to provide daily meals to the urban poor in mega cities.  
III. Microfinance system allows fund transfer.  
a) I, II and III                      b) Only I & II                      c) II and III                      d) Only III
43. The orders of the Delimitation Commission can be:  
a) Challenged in a Court of Law  
b) Modified by the Lok Sabha  
c) Modified by a State Legislative Assembly  
d) None of these
44. What is the power of a Gram Sabha pertaining to in the Scheduled Areas?  
a) It grants prospecting license for construction activities  
b) It grants mining lease in the area  
c) It owns the minor forest produce of the area.  
d) All of these
45. Which of the following freedom fighters is NOT considered as New Swarajist?  
a) Aruna Asaf Ali                      b) Bhulabhai Desai                      c) B.C.Roy                      d) None of the above
46. Consider the following statements about 'Ahrar' Movement:  
i) Ahrar Party was formed by a group of Muslims disillusioned by Khilafat movement.  
ii) Party was based in Punjab & gathered the support of urban lower-middle class.  
iii) It supported League in its demand for Partition.  
Which of the above is/ are correct?  
a) Only i & ii                      b) Only ii & iii                      c) Only i & iii                      d) All of the above
47. Why did Congress provincial ministries resigned on 27<sup>th</sup> October 1939?  
i) British pulled India into World War without consent.  
ii) Provincial autonomy proved to be a failure.  
iii) British refused to grant Dominion Status to India.  
a) Only i                      b) Only i & ii                      c) Only i & iii                      d) All the above
48. Which of the following educational institutions was/ were founded during Non – Cooperation movement?  
i) Aligarh Muslim University                      ii) Jamia Milia Islamia  
iii) Gujarat Vidyapith                      iv) Kashi Vidyapith  
a) Only i & ii                      b) Only iii & iv  
c) Only i, ii & iii                      d) Only ii, iii & iv





55. What is eutrophication?
- Process by which organisms concentrate certain chemical substances to levels above those found in their natural environment.
  - Excessive growth of algae in nutrient-rich waters leading to reduced oxygen levels and the death of many organisms.
  - The ability of organisms in a food chain to convert energy received into living matter.
  - Population explosion of a species in an ecosystem due to the removal of their predators.
56. Which of the following statements about INS Mhadei is NOT correct?
- It is the Indian Navy's ocean-going sail boat with an all-women crew.
  - The boat participated in the "Cape to Rio 2017" race held by the Royal Cape Yacht Club (RCYC), Cape Town
  - The boat, custom built in Goa, derives her name from a deity revered by sea farers.
  - Although commissioned in 2009, Mhadei has never been able to circumnavigate the globe
57. Which of the following statements is /are correct?
- "No More Tension" is a Stress management mobile application launched by Ministry of AYUSH.
  - The "Healthy India Initiative/Swastha Bharat-ek pehal", is a quarterly magazine, which will raise awareness about healthy living has been launched by Ministry of Health and Family Welfare
- a) 1 only                      b) 2 only                      c) Both 1 and 2                      d) Neither 1 nor 2
58. Taking into account the amount of rainfall occurring from June to September, which one of "the following is the correct order of cities in terms of rainfall?
- Kolkata > Ahmedabad > Allahabad
  - Kolkata > Allahabad > Ahmedabad
  - Allahabad > Kolkata > Ahmedabad
  - Ahmedabad > Kolkata > Allahabad
59. Which type of climate(s) prevail(s) in the long corridor (Leeward side) of the Western Ghats and the Nilgiri Hills?
- Tropical wet and dry climate
  - Tropical wet and dry with winter rain
  - Tropical semi-arid steppe
  - Subtropical monsoon rainforest
60. Most desert soils are called Aridisols (dry soil). Which of the following characteristics of these soils are true:
- Aridisols are very fertile, however, often don't have the rainfall to sustain life.
  - Aridisols contain accumulations of salt, gypsum, or carbonates,
  - They are found in hot and cold deserts worldwide.
- a) 3 only                      b) 1 and 2 only                      c) 2 and 3 only                      d) 1, 2 and 3
61. Which of the following is NOT a biosphere reserve?
- Great Nicobar
  - Great Himalayan National Park
  - Cold Desert
  - Sheshachalam Hills

62. With reference to Hybrid Annuity Model (HAM) in India, which of the following statements is/ are correct?

1. The HAM is a mix of Build Operate and Transfer (BOT) Annuity Model and Engineering, Procurement and Construction (EPC) Model.
2. The government is expected to fund up to 40 percent of the project cost while the remaining 60 percent is to be funded by the private player.
3. Government has approved Hybrid Annuity Model as one of the modes of delivery for implementing the Highway Projects.
4. Revenue collection would be the responsibility of the private player under HAM.

Select the correct answer using the codes given below:

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

63. Consider the following statements:

1. In the wet temperate forests at above 1500 m on the Nilgiris and Anaimalais, the Magnolians and Rhododendrons are commonly found.
2. Tropical dry evergreen forests are mostly found in Andhra Pradesh, Chhattisgarh and Orissa.

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

64. Match List – I with List – II and select the correct answer using the code given below the lists:

**List – I (Tribe)**

- A. Aka  
B. Bondo Poraja  
C. Riang  
D. Gaddi

**List – II (State)**

1. Arunachal Pradesh  
2. Himachal Pradesh  
3. Orissa  
4. Tripura

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

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

65. Which of the following terms often seen in news with reference to Indian Economy is correctly defined?

1. Twin Balance Sheet problem refers to overleveraged companies and Banks encumbered by bad loans.
2. Chakravyuha Challenge refers to: Ease to enter but barriers to exit for firms.

Select the correct answer using the codes given below.

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

66. Consider the following about Pradhan Mantri Awaas Yojana (Gramin):

1. Under PMAY, the cost of unit assistance is to be borne fully by the Central Government.
2. The scheme would be implemented in rural areas throughout India.
3. Identification of beneficiaries eligible for assistance and their prioritisation is to be done using information from Socio Economic and Caste Census (SECC). Select the correct answer using the codes given below.

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

67. Consider the following statements:

- i) The glycemic index provides a measure of how quickly blood sugar levels rise after eating a particular type of food.
- ii) Glucose has a glycemic index of 100.
- iii) India's most widely grown rice varieties Swarna and Mashuri have a low glycemic index (GI), Which could help to "keep diabetes at bay".

Which of the above statement/s is/ are correct?

- a) ii Only
- b) i Only
- c) ii and iii Only
- d) i, ii and iii

68. Neerdhur, sometimes seen in news is a:

- a) Weather satellite of ISRO
- b) Novel water harvesting technology
- c) Robotic arm indigenously built in India
- d) Multi-fuel domestic cooking stove

69. With reference to Jal Marg Vikas Project (JMVP), which of the following statements is/ are correct?

- 1. The Jal Marg Vikas Project (JMVP) is for capacity augmentation of National Waterway-1.
- 2. The project is being implemented with technical and investment support from World Bank.
- 3. Construction of multi modal terminals, jetties, river information system, channel marking, navigational lock, river training and conservancy works are to be undertaken as part of the project.

Select the correct answer using the codes given below:

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

70. Consider the following statements:

- 1. Mosul is a major city in Western Syria under IS control.
- 2. Nangarhar province of Afghanistan is located on the western side of Afghanistan along the border of Iran.

Select the correct answer using the codes given below.

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

71. Consider the following:

- 1. Westerly Jet stream at tropical latitude during onset period of monsoon.
- 2. Influence of the El Nino – Southern Oscillation (ENSO)

Which of the above statement/s can be attributed to the weakening of South Asian Monsoon?

- a) Only 1
- b) Only 2
- c) Both 1 and 2
- d) None

72. Consider the following about BREXIT:

- 1. BREXIT refers to Britain's withdrawal from the European Union.
- 2. Process of BREXIT was based on an executive order.

Select the correct answer using the codes given below.

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

73. World Health Organization (WHO) has certified India as free from which of the following diseases:
- Maternal and Neonatal Tetanus
  - Yaw disease
  - Tuberculosis
  - Both a and b
74. With reference to Missile Technology Control Regime (MTCR), which of the following statements is/are correct?
- The Missile Technology Control Regime (MTCR) is a multilateral export control regime.
  - It is a voluntary partnership among the participating countries to prevent only the proliferation of missiles.
  - It aims to curb proliferation of missiles capable of carrying above 500 kg payload for more than 300 km.
  - India is a non-member.
- Select the correct answer using the codes given below:
- 1 and 2 only
  - 1, 2 and 4 only
  - 1 and 3 only
  - 1, 2, 3 and 4
75. Consider the following statements:
- India Innovation Index is jointly published by NITI Aayog, Department of Industrial Policy & Promotion (DIPP) and Confederation of Indian Industry (CII).
  - Global Innovation Index (GII) is jointly published by Cornell University, INSEAD, and the World Intellectual Property Organization.
- Select the correct answer using the codes given below:
- 1 only
  - 2 only
  - Both 1 and 2
  - Neither 1 nor 2
76. Consider the following about Pradhan Mantri Garib Kalyan Yojana (PMGKY):
- Under the scheme, on the declared undisclosed income, tax at 30% of income, surcharge at 33% of tax, penalty at 10% of income is payable by such person, totalling to 49.9% of the income declared.
  - In addition to 49.9% tax liability, at least 25% of the declared income has to be mandatorily deposited in the Pradhan Mantri Garib Kalyan Deposit (PMGKD) Scheme.
  - The amount of undisclosed income declared under this scheme shall not be included in the total income of the declarant under the Income Tax Act, 1961 for any assessment year.
- Select the correct answer using the codes given below:
- 1 and 3 only
  - 2 and 3 only
  - 1 only
  - 1, 2 and 3
77. Consider the following statements:
- Sensex is based on 50 of the most important stocks available on the Bombay Stock Exchange (BSE).
  - Nifty is the counterpart of the BSE Sensex on the National Stock Exchange
  - New York Stock Exchange is the oldest stock exchange in the world.
- Which of the statements given above is/are correct?
- 2 only
  - 1 and 3
  - 2 and 3
  - None
78. "World Development Report" is an annual publication of:
- United Nations Development Programme
  - International Bank of Reconstruction and Development
  - World Trade Organisation
  - International Monetary Fund

79. Consider the following statements: Full convertibility of the rupee means
1. Rupee's exchange rate is determined by the market forces
  2. Those who import have to pay at the market rate
  3. foreign investors are free to invest in India
- Which of these statements are correct?
- a) 1 and 2                      b) 1 and 3                      c) 2 and 3                      d) 1, 2 and 3
80. The Union Budget 2017 – 18 has opened new avenues for the Affordable Housing sector by providing it the status of an Infrastructure Company. It means
- a) they can borrow more from offshore markets
  - b) they can attract more foreign investment
  - c) Both (a) and (b)
  - d) Neither (a) nor (b)
81. The National Biodiversity Authority has been set up to:
- I. Check the biopiracy
  - II. Carry out cross-breeding to protect indigenous genetic resources
  - III. Produce new indigenous genetic resources to enrich the country's biodiversity
  - IV. Safeguard the Intellectual Property Rights
- Which of the afore-mentioned statements is/ are correct?
- a) Only I                      b) I and IV                      c) II, III and IV                      d) All of these
82. Following Parliamentary committee is set up on the basis of an Act of the Parliament
- a) Public Accounts Committee
  - b) Estimates Committee
  - c) Committee on Official Language
  - d) All the above
83. Right to privacy is not officially stated in the Constitution of India but is inferred by some experts from
- a) Art.14                      b) Art.19                      c) Art.21                      d) All the above
84. Recently, Patna High Court struck down the Bihar Prohibition of Liquor Act because
- a) Directive Principles of State Policy (DPSP) are not justiciable
  - b) Right to livelihood can not be restricted
  - c) State Legislature can not violate Fundamental Rights
  - d) Unreasonable restrictions
85. Constitution 101<sup>st</sup> Amendment Act, 2016 amends the Constitution to introduce the goods and services tax (GST). GST as a result is a subject in the
- a) Union List                      b) State List
  - c) Concurrent List                      d) None of the above
86. Kafala System, recently seen in news has been abolished by which country:
- a) Saudi Arabia                      b) Kuwait                      c) UAE                      d) Qatar









7. Panchatantra is said to be composed by a sage named Vishnu Sharma. The 3 princes, to teach whom he composed it, have names ending in suffix 'Shakti', which suggests that it was composed in Vakataka period.  
'Nidarshana' → A work which shows through illustrations, what should & should not be done.
8. Maktubat → 'Written collections of letters (which by Sufi masters to their disciples). Tazkiras → Biographical accounts of saints.
10. Gopurams were added during Chola Period.  
Kalyanmandapa → Marriage halls  
Separate shrine → Amma shrines
11. The typical landform resulting from interruption in the fluvial cycle of erosion and from rejuvenation resulting in the formation of mosaic of poly or multi-cyclic land forms include topographic discordance valley in valley or multi-storeyed valleys uplifted peneplains, incised meanders, paired terraces, knick points etc. Oxbow Lakes form due to excessive lateral erosion.
12. New river channel resulting from flow diversions caused to ice sheets of Pleistocene. Epoch provide one class of falls and rapids of large discharge. Certainly the prominent example is Niagra falls, Overflow of Lake Erie into Lake Ontario happened to be situated over a gently inclined layer of limestone, beneath which lies easily eroded shale. The height of falls is now 52 m and the drop of Niagra falls is utilized for the production of hydro-electric power.
13. The opening of North Atlantic was accomplished in many phases. After the separation of North America from Africa, Europe and Greenland broke away from Labrador during late cretaceous period (about 80 m.y. BP) and thus Labrador Sea was formed.
14. Cyclonic circulation of air is caused due to deflection in wind direction resulting from Coriolis force. Majority of the tropical cyclones originate within a belt of 5°-20° latitudes in the western parts of the oceans. Tropical cyclones develop around small atmosphere vortices in the inter-tropical convergence zone (ITCZ). There are 6 major regions of the tropical cyclones i.e, (1) West Indies Gulf of Mexico and Caribbean Sea, (2) Western North Pacific Ocean including Philippines islands, China Sea and Japanese Islands, (3) Arabian Sea and Bay of Bengal, (4) Eastern Pacific Coastal region of Mexico and Central America, (5) South Indian Ocean of Madagascar and (6) Western South Pacific Ocean, in the region of Samoa and Fiji Island and the east and north coasts of Australia. There are no hurricanes in the south Atlantic. The most plausible explanation for the absence of tropical cyclones in this region seems to be that the ITCZ remains to north of equator so that no weak tropical disturbance develops over this ocean. Besides sea surface temperature is relatively lower in the low latitudes.
15. In Ice crystal process, the relative humidity of air is greater with respect to an ice surface than with respect to water surface. With the fall of air temperature below 0°C, the atmospheric vapour pressure decreases more rapidly over ice surface than over water surface with the result saturation vapour pressure becomes greater over water surface than over ice surface. When the air temperature ranges between -5°C and -25°C and the difference between saturation vapour pressure over water and ice surfaces exceeds 0.2 mb. In such condition when air temperature ranges -5°C and 25°C, water droplets becomes super saturated. If ice crystals and super cooled water droplets exist together in a cloud, then the water droplets are evaporated and resultant vapour is deposited on to the ice crystals. This is most common feature of mid-latitude rainfalls. Cirrus, detached clouds in the form of white, delicate filaments or white or mostly white patches or narrow or narrow bands. These clouds have a fibrous (hair like) appearance or a silky sheen or both. The base of cirrus clouds (high clouds) invariably occurs at altitude above 5000 m.
16. Monsoon climate (Am) is generally related to those areas which register complete seasonal reversal of wind direction and are associated with tropical deciduous forests. This climate is found in the zone extending between 5° and 30° latitudes on either side of the equator.

- ★ The Monsoon area include India, Burma (Myanmar), Pakistan, Bangladesh, Thailand, Cambodia, Laos, North and South Vietnam, Southern China, Philippines and Northern Coastal area of Australia.
17. The very fact that tropical storms seldom originate in a belt  $5^{\circ}$ - $8^{\circ}$  wider on both sides of the equator proves that Coriolis force is an important factor in causing the Cyclonic circulation of air. Most of these cyclones are limited to a belt extending from  $5^{\circ}$  to  $20^{\circ}$  latitudes with their maximum frequency in between latitudes  $10^{\circ}$  and  $15^{\circ}$ . The size of hurricanes is usually small at their origin points near the equator but the size gradually increases away from the equator. The diameters range between 160 and 640 km.
18. The World Investment Report has been published annually since 1991. Each year's Report covers the latest trends in foreign direct investment around the World and analyses in depth one selected topic related to foreign direct investment and development.
19. The current flowing west to east between the north and south equatorial currents is termed as counter equatorial current. Because of trade winds, immense volume of water is piled up in the Western marginal parts of the ocean, with result there is general slope gradient of water surface from west to east. The higher water level in the west and descending slope gradient of water surface from west to east make the oceanic water flow in easterly direction in the name of counter equatorial current which is the most developed counter current in the Pacific Ocean.
20. The ocean currents are helpful for promoting phytoplanktons. For example, for the production of fish becomes very high due to meeting of cool Labrador Ocean current and Gulf stream near New Foundland. Temperature and salinity also determine amount of phytoplanktons. The depth of ocean waters also determine, continuous upcoming of nutrients from below due to upwelling of cold water mass. The length of day is more as a result, ocean surface receives more insolation. This promotes upwelling of nutrients from depth water mass.
21. Vertisols are uniquely defined through a combination of the following properties: (1) a high content of clay (montmorillonite) that shrinks and swell greatly with changes in soilwater storage, (2) deep wide cracks at some season; and (3) evidences of soil movement in the form of slicken sides, gilgæ or structural aggregates tilted between horizontal and vertical. Horizons are normally weakly expressed and may not be apparent. Vertisols typically form under grass or savanna vegetation in sub-tropical and tropical climates with a moderate or pronounced seasonal soil water deficient. Vertisols are found only in latitudes ranges of the tropical and sub-tropical zones. Vertisols are most extensive in eastern Australia, India and Sudan.
22. **Ecological niche:** The specific physical space occupied by an organism, the function role of an organism in ecosystem.
- Ecotone:** A transition zone between two adjacent biomes, containing some organisms from adjacent biomes and some characteristic ones restricted to zone itself.
- Habitat:** The place where an organism lives in nature.
30. Listed in Schedule I of Wildlife (Protection) Act 1972, in Appendix I of CITES and as Endangered on IUCN Red List. Asiatic lions were once distributed upto the state of West Bengal in east and Rewa in Madhya Pradesh, in central India. At present Gir National Park and Wildlife Sanctuary is the only abode of the Asiatic lion. The last surviving population of the Asiatic lions is a compact tract of dry deciduous forest and open grassy scrublands in southwestern part of Saurashtra region of Gujarat. Five Protected Areas-Gir national park, Gir sanctuary, Pania sanctuary, Mitiyala sanctuary and Girnar sanctuary-covering 1,621 sq. km, are presently managed as the Asiatic lion's habitat.
31. The Congress discussed and shared knowledge- on issues for the effective and efficient management of genebanks; science-led innovations in the field of genetic resources; livelihood, food and nutrition security through crop diversification, including use of lesser known crops and the role of crop wild relatives in crop improvement; issues relating to quarantine, biosafety and biosecurity; and Intellectual Property Rights and Access and Benefit Sharing in the context of exchange of germplasm.

33. Pelagic deposits cover about 75% of the total sea floor. This is because, except for fine volcanic ash, little terrigenous material is carried into the deeps. The pelagic deposits consist of both organic and inorganic material.

**Organic Material:** This is in the form of a kind of liquid mud, called ooze, which contains shells and skeletons of various marine organisms. The ooze is said to be calcareous when the shell is made of calcium carbonate. The calcareous ooze may be either pteropod ooze or globigerina ooze. Most parts of the Indian and Atlantic Oceans have calcareous ooze as deposits. When the shell is made of silica, the ooze is said to be siliceous ooze, which can be either the diatom type or the radiolarian type of ooze. The southern fringes of the Indian and the Atlantic Oceans have the siliceous type of ooze.

**Inorganic Material:** This is in the form of red clay, which is apparently of a volcanic origin. The chief constituents of red clay are silicon and aluminium dioxide, while other constituents include iron, manganese, phosphorus and radium. The red clay is the most widely spread pelagic deposit and covers 38% of the sea floor. The red clay covers more than half of the Pacific floor.

35. Repo rate is the rate at which the RBI lends short-term money to the banks against securities. Gini Index is a measurement of the income distribution of a country's residents. It ranges between 0 and 1 and is based on residents' net income and define the gap between the rich and the poor, with 0 representing perfect equality and 1 representing perfect inequality.
36. Participatory Notes are financial instruments used by investors or hedge funds that are not registered with the Securities and Exchange Board of India to invest in Indian securities. Indian-based brokerages buy India-based securities and then issue participatory notes to foreign institutional investors.
37. The balance of payments (BOP) is the record of all international monetary transactions at a specific period of time where as Balance of trade is the difference between the value of goods and services exported and imported. That is why Balance of payments represents better picture than Balance of Trade.
45. New Swarajists were those who advocated for the revival of constitutional methods to struggle against British rule, past withdrawal of Civil Disobedience Movement. Other major leaders related to it were M. A. Ansari & Satyamurthy.
46. Ahrar opposed the partition of India.
48. Aligarh Muslim University was founded in 1875.  
JMI → 1920  
Gujarat Vidyapith → 1920  
Kashi Vidyapith → 1921
49. Anti - Chowkidari → Bengal & Bihar  
Dharsana → Gujarat → Salt making  
Students movement → Against Cunningham Circular  
Parallel Govt. → Balia → Chittu Pandey (During Quit India Movement)
50. Butler → Relationship between Indian states & Paramount Power  
Hartog → Growth of education in British India  
Hunter → Jaliawala bagh Massacre
52. All Indian Kisaan Sabha actually came into being as All India Kisan Congress in Lucknow due to the efforts of those involved in Congress Socialist Party, within INC. Swami Sahjanand, the militant founder of Bihar Provincial Kisan Sabha (1929) was elected as its President & the pioneer of Kisan movement in A.P. & a renowned scholar of agrarian problem, N. G. Ranga was elected as the general secretary.

53. Battle of Plassey is a fine example of diplomatic skills of company officials. Lack of resources was not a problem in real because British colonized India for its resources.
54. It was signed in New Delhi on April 8, 1950 after 6 days of talks in order to guarantee the rights of minorities in both the countries.
55. **Eutrophication:** Excessive growth of algae and other primary producers in a stream or lake as a result of the input of large amounts of nutrient ions, especially phosphate and nitrate.
56. The six lady officers' on board Mhadei skippered by Lieutenant Commander Vartika Joshi have been groomed for the race at the newly set up Ocean Sailing Node at Goa headed by Capt Atool Sinha, an Asian Games Silver medalist who will also skipper the boat from Cape Town to Rio at the Cape to Rio Race 2017.
- ★ Mhadei has been the crucible of India Navy's ocean sailing aspirations including circumnavigation. Circumnavigation is a unique feat in Ocean Sailing wherein a boat sails at least 21,600 nautical miles crossing the equator, every meridian and finishes in the same port as it starts. On board Madhei, in 2010, Commander Dilip Donde became the first Indian to solo circumnavigate the globe. Three years later, in 2013, another naval Officer Lieutenant Commander Abhilash Tomy improved this feat to become the first Indian to do non-stop solo circumnavigation of the globe ñ again on board Mhadei. Now, India Navy aspires to attempt the circumnavigation of the globe with the first Indian all women crew in 2017.
- ★ The boat, custom built in Goa, derives her name from a deity revered by sea farers. Since her commissioning in 2009, Mhadei has logged over 105,000 nautical miles of Ocean Sailing, most of which has been through the remotest parts of the planet. She has crossed the Equator Thirteen times, Prime Meridian Six times and the International Date Line twice.
57. "No More Tension" is a Stress management mobile application has also been launched by Ministry of Health and Family Welfare
58. The Bay of Bengal branch goes to the Himalayan foothills and after reaching there, it is deflected to the west by the size and orientation of the Himalayan and brings widespread rainfall to Indo-Gangetic plain. The average rainfall is characterised by a declining trend with increasing distance from the sea, Calcutta (Kolkata) receives 1190 mm during the south-west monsoon period; Patna 1050 mm, Allahabad 760 mm, Delhi 560 mm, Ahmedabad 500 mm.
59. Rain shadow areas of Western Ghats and Nilgiri hills have tropical semi-arid steppe type of climate. Here, rainfall occurs mainly in summer and below 50 cm. This corridor belongs to Koppen's scheme. BShw (Semi-Arid Steppe Climate).
60. Aridisols are soils that occur in climates that are too dry for "mesophytic" plants — plants adapted to neither a too wet nor too dry environments — to survive.
- ★ The climate in which Aridisols occur also restricts soil weathering processes. Aridisols often contain accumulations of salt, gypsum, or carbonates, and are found in hot and cold deserts worldwide. They occupy about 12% of the Earth's glacier-free land area, including some of the dry valleys of Antarctica. Aridisols are used mainly for range, 8 wildlife, and recreation. Because of the dry climate in which they are found, they are not used for agricultural production unless irrigation water is available.
- ★ Aridisols are divided into 7 suborders: Cryids, Salids, Durids, Gypsids, Argids, Calcids, and Cambids.
61. The Great Himalayan National Park (GHNP), is one of India's national parks, is located in Kullu region in the state of Himachal Pradesh. In June 2014, the Great Himalayan National Park was added to the UNESCO list of World Heritage Sites. The Unesco World Heritage Site Committee granted the status to the park under the criteria of "outstanding significance for biodiversity conservation"
62. In India, road projects are awarded via one of the three models: Build-Operate Transfer (BOT)-Annuity, BOT-Toll, and EPC (engineering, procurement and construction) contract. After the



- ★ The unique thing of the stove is that apart from wood, other fuel like coal, cow dung and agricultural residue can also be used in it. It also saves 50% fuel and has high thermal efficiency.
  - ★ The volatile substances which usually do not get burnt in the traditional stoves are taken care of in NEERDHUR which has combustion chamber, it has provisions for increased air supply.
  - ★ NEERI's stove has been approved and certified by Ministry of New and Renewable Energy (MNRE) and meets the emission parameters of Bureau of Indian Standards (BIS).
69. 'Jal Marg Vikas' is a project on the river Ganga, being developed between Allahabad and Haldia to cover a distance of 1620 kms. The Jal Marg Vikas Project (JMVP) is for capacity augmentation of National Waterway-1.
- ★ The project envisages development of a fairway with three metres depth, which would enable commercial navigation of at least 1500 ton vessels on the river.
  - ★ Construction of multi modal terminals, jetties, river information system, channel marking, navigational lock, river training and conservancy works are to be undertaken as part of the project.
  - ★ The project is being implemented with technical and investment support from World Bank and would be completed over a period of six years at an estimated cost of Rs.4200 crores.
  - ★ Cruise services- Started between Patna and Varanasi.
70. Mosul is a major city in northern Iraq. Since October 2016 it has been the site of a military operation led by the Iraqi Government, in an effort to dislodge and defeat militant forces. The city had been under the control of the Islamic State of Iraq and the Levant since June 2014, and no westerner had entered the city until the latest initiative.
- ★ US dropped GBU-43 bomb, the largest non-nuclear weapon in its arsenal, on the IS tunnel in Afghanistan's Nangarhar province. Nangarhar is one of the 34 provinces of Afghanistan, located in the eastern part of the country.
72. Brexit is a commonly used term for the United Kingdom's planned withdrawal from the European Union. Following the 2016 referendum vote to leave, the UK government started the withdrawal process on 29 March 2017, putting the UK on course to leave by April 2019.
73. The World Health Organization (WHO) has certified India as Yaws, Maternal and Neonatal Tetanus free country.
- ★ Yaws is a chronic disfiguring and debilitating childhood infectious disease. The disease affects skin, bone and cartilage. Humans are currently believed to be the only reservoir, and transmission is from person to person.
  - ★ Maternal and neonatal tetanus (MNT) have been among the most common life threatening consequences of unclean deliveries and umbilical cord care practices, and are indicators of inequity and access to immunization and other maternal, new-born, and child health services. When tetanus develops, mortality rates are extremely high, especially when appropriate medical care is not available.
  - ★ The economic burden of TB is extremely high. Between 2006 and 2014, TB cost the Indian economy a massive USD 340 billion.
74. MTCR aims at restricting the proliferation of missiles, complete rocket systems, unmanned air vehicles and related technology for those systems capable of carrying a 500 kilogramme payload for at least 300 kilometres, as well as systems intended for the delivery of Weapons of Mass Destruction (WMD).
- ★ India has recently joined the Missile Technology Control Regime (MTCR).
  - ★ MTCR membership will enable India to buy high-end missile technology and also enhance its joint ventures with Russia.

75. To make India an innovation-driven economy, NITI Aayog, Department of Industrial Policy & Promotion (DIPP) and Confederation of Indian Industry (CII) together launched a mega initiative "India Innovation Index" that will rank states on Innovations through country's first online innovation index portal that will capture data on innovation from all Indian states on innovation and regularly update it in real time.
- ★ The India Innovation Index Framework will be structured based on the best practices followed in Global Innovation Index (GII) indicators and additionally by adding India-centric parameters those truly reflect the Indian innovation ecosystem. This initiative will be the point of reference for all international agencies to collect India's up to date data points for global indices and analytic.
76. The Taxation Laws (Second Amendment) Act, 2016 and the Pradhan Mantri Garib Kalyan Deposit (PMGKD) Scheme, 2016 (the scheme), earlier proposed on 29 November, 2016, became effective on 17 December, 2016 and was in force until 31 March, 2017.
- ★ This scheme was an opportunity given by Government of India (GOI) to come clean by declaring any undisclosed income in the form of cash or deposit in an account maintained with specified entities by a person.
  - ★ Also, it was mandatory to make a deposit of at least 25% of the declared undisclosed income, yielding no interest, with a lock-in period of four years.
  - ★ The declarations made under the scheme shall not be admissible as evidence under any Act (e.g., Companies Act, Wealth-tax Act, Central Excise Act, etc.).
80. The Union levies, collects and distributes the proceeds of income tax between itself and states. Taxes on income other than on agricultural income (Art. 270)
86. Each GCC country manages its "temporary" migrant workforce through the sponsorship or Kafala system. Under this system, a local citizen or local company (the kafeel) must sponsor foreign workers in order for their work visas and residency to be valid. This means that an individual's right to work and legal presence in the host country is dependent on his or her employer, rendering him or her vulnerable to exploitation. In most GCC states, migrants cannot leave or enter the country without their employer's permission. It is used to monitor migrant labourers, working primarily in the construction and domestic sectors, in Lebanon, Bahrain, Iraq, Jordan, Kuwait, Oman, Saudi Arabia, and the UAE.
87. India's case was strongly opposed by China citing procedural hurdles i.e. non-signatory of NPT.
88. 'SANKALP' (Skill Acquisition and Knowledge Awareness for Livelihood Promotion Programme) is aimed at providing market relevant training to 3.5 crore youth across the country. It is a Rs.4,000 crore programme.
- ★ Next phase of Skill Strengthening for Industrial Value Enhancement (STRIVE) will be launched in 2017-18 at a cost of Rs.2,200 crore. STRIVE will focus to improve on the quality and the market relevance of vocational training provided in ITIs and strengthen the apprenticeship programme through industry-cluster approach.
90. BBB is an autonomous body of Union Government of India tasked to improve the governance of Public Sector Banks, recommend selection of chiefs of government owned banks and financial institutions and to help banks in developing strategies and capital raising plans.
- ★ It is situated at RBI's Central Office in Mumbai.
  - ★ The chairman of Bank Board Bureau is Mr. Vinod Rai.
  - ★ The bureau was announced as part of the seven-point Indradhanush plan to revamp public sector banks.
91. These are special bonds floated on behalf of the government by the RBI for the specific purpose of mopping up the excess liquidity in the system when regular government bonds prove inadequate. These are mostly shorter-tenure bonds, of less than six months maturity. But the tenure differs depending on the requirement.

- ★ MSS bonds earn a return and qualify for statutory liquidity ratio, or SLR, that banks need to maintain in the form of short-tenured treasury bills and government bonds. However, CRR is perceived to be a blunt instrument with an immediate impact on liquidity, but it does not fetch any return for the depositing bank.
- ★ MSS bonds, too, are raised through an auction and are tradable in the secondary market.
- 92. Cassini-Huygens is an unmanned spacecraft sent to the planet Saturn.
- ★ Cassini is the Orbiter and Huygens is the Probe.
- 93. The Heritage Heroes awards aim to celebrate these outstanding individuals on the front line of conservation and natural World Heritage sites, and are a wake-up call to the reality of threats on the ground.
- ★ Guwahati-based conservationist Bibhuti Lahkar, who had contributed immensely towards Manas National Park, a World Heritage Site on the Indo-Bhutan border, to remove its "in danger" tag in 2011, was voted IUCN's Heritage Hero 2016, a global recognition that also made him the only Asian so far to win that People's Choice award.
- 94. The D-SIB Framework requires the Reserve Bank to disclose the names of banks designated as D-SIBs every year in August starting from August 2015.
- ★ Systematically important bank or a bank that is 'too big to fail', is one whose failure will have nationwide or worldwide repercussions.
- ★ The RBI uses a methodology to determine whether a bank is systematically important or not on the basis of its size, inter-connectedness, substitutability and complexity.
- 97. The term consumer's equilibrium refers to the amount of goods and services which the consumer may buy in the market given his income and given prices of goods in the market.

(ఈ సమూహ ప్రశ్నపత్రాన్ని SRIRAM'S IAS, న్యూఢిల్లీ సంస్థకు చెందిన నిపుణులు రూపొందించారు)