
DO NOT OPEN THIS TEST BOOKLET UNTIL YOU ARE ASKED TO DO SO



SRI CHAITANYA IAS ACADEMY

TEST BOOKLET SERIES

TEST BOOKLET
GENERAL STUDIES

A

PAPER - I

Time Allowed : Two Hours

Maximum. Marks: 200

INSTRUCTIONS

1. IMMEDIATELY AFTER THE COMMENCEMENT OF THE EXAMINATION, YOU SHOULD CHECK THAT THIS TEST BOOKLET **DOES NOT** HAVE ANY UNPRINTED OR TORN OR MISSING PAGES OR ITEMS, ETC. IF SO, GET IT REPLACED BY A COMPLETE TEST BOOKLET.
2. ENCODE CLEARLY THE TEST BOOKLET SERIES. AS THE CASE MAY BE IN THE APPROPRIATE PLACE IN THE ANSWER SHEET.
3. You have to enter your Roll Number on the Test Booklet in the Box provide alongside.

DO NOT write *anything else* on the Test Booklet.

4. This Test Booklet contains **100** items (questions). Each item comprises four responses (answer). You will select the response which you want to mark on the Answer Sheet. In case you feel that there is more than one correct response, mark the response which you consider the best. In any case, choose **ONLY ONE** response for each item.
5. You have to mark all your response **ONLY** on the separate Answer Sheet provided. See directions in the Answer Sheet.
6. All items carry equal marks.
7. After You have completed filling in all your response on the Answer Sheet and the examination has concluded, you should hand over to the Invigilator **only the Answer Sheet**. You are permitted to take away with you the Test Booklet.
8. Sheet for rough work are appended in the Test Booklet at the end.

9. Penalty for Wrong answers:

THERE WILL BE PENALTY FOR WRONG ANSWERS MARKED BY A CANDIDATE IN THE OBJECTIVE TYPE QUESTION PAPERS.

- (i) There are four alternatives for the answer to every question. For each question for which a wrong answer has been given by the candidate, one-third of the marks assigned to that question will be deducted as penalty.
- (ii) If a candidate gives more than one answer, it will be treated as wrong answer even if one of the given answers happens to be correct and there will be same penalty as above to that question.
- (iii) If a question is left blank. i.e, no answer is given by the candidate, there will be no penalty for the question.

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- | <p>1. Which of the following are the effects of ozone depletion on plants?</p> <p>1) increase in photosynthesis</p> <p>2) decline in water use efficiency</p> <p>3) decline in yields of plants</p> <p>Select the correct answer from the codes given below:</p> <p>(a) 1 and 2 (b) 1 and 3</p> <p>(c) 2 and 3 (d) 1, 2 and 3</p> <p>2. Maldives, an island country, is a</p> <p>(a) Coral Island (b) Volcanic Island</p> <p>(c) Artificial Island (d) Continental island</p> <p>3. Which of the following is the best carbon sink in terms of storage capacity of carbon dioxide per unit area?</p> <p>(a) Glaciers</p> <p>(b) Blue Carbon surface</p> <p>(c) Tropical rain forests</p> <p>(d) Ocean surface</p> <p>4. Match List – I with List – II and select the correct answer using the codes given below the lists:</p> <table border="0" style="width: 100%;"> <thead> <tr> <th style="text-align: left;">List I</th> <th style="text-align: left;">List II</th> </tr> </thead> <tbody> <tr> <td>(A) Mohenjodaro</td> <td>(1) Absence of mother goddess figure</td> </tr> <tr> <td>(B) Chanhudaro</td> <td>(2) Assembly hall and collegiate building</td> </tr> <tr> <td>(C) Rangpur</td> <td>(3) Bead making factory</td> </tr> <tr> <td>(D) Harappa</td> <td>(4) Sandstone make dancer</td> </tr> </tbody> </table> | List I | List II | (A) Mohenjodaro | (1) Absence of mother goddess figure | (B) Chanhudaro | (2) Assembly hall and collegiate building | (C) Rangpur | (3) Bead making factory | (D) Harappa | (4) Sandstone make dancer | <table border="0" style="width: 100%;"> <thead> <tr> <th style="width: 50%;"></th> <th style="text-align: center;">A</th> <th style="text-align: center;">B</th> <th style="text-align: center;">C</th> <th style="text-align: center;">D</th> <th style="width: 50%;"></th> <th style="text-align: center;">A</th> <th style="text-align: center;">B</th> <th style="text-align: center;">C</th> <th style="text-align: center;">D</th> </tr> </thead> <tbody> <tr> <td>(a)</td> <td style="text-align: center;">1</td> <td style="text-align: center;">3</td> <td style="text-align: center;">2</td> <td style="text-align: center;">4</td> <td>(b)</td> <td style="text-align: center;">3</td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> <td style="text-align: center;">4</td> </tr> <tr> <td>(c)</td> <td style="text-align: center;">2</td> <td style="text-align: center;">3</td> <td style="text-align: center;">4</td> <td style="text-align: center;">1</td> <td>(d)</td> <td style="text-align: center;">2</td> <td style="text-align: center;">4</td> <td style="text-align: center;">1</td> <td style="text-align: center;">3</td> </tr> </tbody> </table> <p>5. Species of Rhododendron are located in which of the following states?</p> <p>(a) Arunachal Pradesh</p> <p>(b) Maharashtra</p> <p>(c) Tamil Nadu</p> <p>(d) Madhya Pradesh</p> <p>6. The Harappan people worshipped the</p> <p>(1) Pipal tree (2) Humped bull</p> <p>(3) Prototype of Shiva</p> <p>(4) Other Goddess</p> <p>Which of the statements given above are correct?</p> <p>(a) 1, 2 and 4 (b) 2, 3 and 4</p> <p>(c) 1, 3 and 4 (d) 1, 2, 3 and 4</p> <p>7. The term "Annexure I countries" in the Kyoto Protocol refers to -</p> <p>(a) industrial and developed countries</p> <p>(b) initial signatories to the Protocol</p> <p>(c) developing countries</p> <p>(d) transition economies</p> <p>8. Consider the following statements :</p> <p>(1) Rice husk has been found from Lothal and Rangpur</p> <p>(2) Evidence of signage on wall has been discovered from Dholavira.</p> <p>(3) A thirteen roomed house from the overlap period has been discovered from Bhagwanpura.</p> | | A | B | C | D | | A | B | C | D | (a) | 1 | 3 | 2 | 4 | (b) | 3 | 1 | 2 | 4 | (c) | 2 | 3 | 4 | 1 | (d) | 2 | 4 | 1 | 3 |
|---|---|---------|-----------------|--------------------------------------|----------------|---|-------------|-------------------------|-------------|---------------------------|--|--|---|---|---|---|--|---|---|---|---|-----|---|---|---|---|-----|---|---|---|---|-----|---|---|---|---|-----|---|---|---|---|
| List I | List II | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| (C) Rangpur | (3) Bead making factory | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (D) Harappa | (4) Sandstone make dancer | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | A | B | C | D | | A | B | C | D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (a) | 1 | 3 | 2 | 4 | (b) | 3 | 1 | 2 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (c) | 2 | 3 | 4 | 1 | (d) | 2 | 4 | 1 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

<p>(4) The steatite figure of a bearded man has been recovered from Mohenjodaro.</p> <p>Which of the statements given above is/are correct?</p> <p>(a) 1 and 4 (b) 2 and 3</p> <p>(c) 1, 2 and 4 (d) 1, 2 and 3</p>	<p>Select the correct answer using the codes given below:</p> <p>(a) 1 and 2 (b) Only 3</p> <p>(c) 2 and 3 (d) 1, 2 and 3</p>																																						
<p>9. Match List-I with List-II and select the correct answer from the given codes :</p> <table border="0" style="width: 100%;"> <tr> <td style="width: 50%;">List-I (King)</td> <td style="width: 50%;">List-II (Kingdoms)</td> </tr> <tr> <td>(A) Pradyota</td> <td>(1) Magadha</td> </tr> <tr> <td>(B) Udayana</td> <td>(2) Vatsa</td> </tr> <tr> <td>(C) Prasenjita</td> <td>(3) Avanti</td> </tr> <tr> <td>(D) Ajatashatru</td> <td>(4) Kosala</td> </tr> </table> <table border="0" style="width: 100%; margin-top: 10px;"> <tr> <td style="width: 25%;">A</td> <td style="width: 25%;">B</td> <td style="width: 25%;">C</td> <td style="width: 25%;">D</td> <td style="width: 25%;">A</td> <td style="width: 25%;">B</td> <td style="width: 25%;">C</td> <td style="width: 25%;">D</td> </tr> <tr> <td>(a)</td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>(b)</td> <td>4</td> <td>3</td> <td>2</td> <td>1</td> </tr> <tr> <td>(c)</td> <td>2</td> <td>1</td> <td>4</td> <td>3</td> <td>(d)</td> <td>3</td> <td>4</td> <td>1</td> <td>2</td> </tr> </table>	List-I (King)	List-II (Kingdoms)	(A) Pradyota	(1) Magadha	(B) Udayana	(2) Vatsa	(C) Prasenjita	(3) Avanti	(D) Ajatashatru	(4) Kosala	A	B	C	D	A	B	C	D	(a)	1	2	3	4	(b)	4	3	2	1	(c)	2	1	4	3	(d)	3	4	1	2	<p>12. What is the name of India – Sri Lanka joint naval exercise held at Visakhapatnam?</p> <p>(a) SLINEX 2017 (b) INDLANK 2017</p> <p>(c) SRINEX 2017 (d) INDSRI 2017</p> <p>13. The themes of the murals of the Ajanta Caves are</p> <p>(1) decorative designs which includes a variety of animals, trees and flowers.</p> <p>(2) portraits of various Buddhas and Bodhisattvas.</p> <p>(3) narrative scenes portraying Jataka stories.</p> <p>Select the correct answer using the codes given below</p> <p>(a) 1 and 2 (b) 2 and 3</p> <p>(c) 1 and 3 (d) 1, 2 and 3</p>
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<p>10. Dampa Wildlife Sanctuary is located in which of the following states?</p> <p>(a) Odisha (b) Mizoram</p> <p>(c) Himachal Pradesh</p> <p>(d) Karnataka</p>	<p>14. What is Alpha Diversity?</p> <p>(a) Species diversity over a continent</p> <p>(b) Species diversity between two habitats (local communities)</p> <p>(c) Species diversity over a biome</p> <p>(d) Species diversity within a habitat (Local community)</p>																																						
<p>11. Consider the following statements with reference to the guilds (Shreni) of ancient India:</p> <p>(1) Every guild was registered with the Central authority of the State and the King was the chief administrative authority on them.</p> <p>(2) The wages, rules of work, standards and prices were fixed by the guild.</p> <p>(3) The guild has judicial powers over its own members.</p>	<p>15. Which of the following temples is incorrectly matched with their place?</p> <p>(a) Angkor Wat Temple : Cambodia</p> <p>(b) Pasupatinath Temple : Bhutan</p> <p>(c) Prambanan Temple : Indonesia</p> <p>(d) Tiger Temple : Thailand</p>																																						

16. Fermentation of yeast is an example of
- (a) Anaerobic respiration
(b) Closed cycle respiration
(c) Aerobic respiration
(d) Open cycle respiration
17. Consider the following statements with reference to Upanishads:
- (1) They were compiled around 1000 BC.
(2) They criticised the rituals.
(3) They laid stress on the value of truth, right belief and knowledge.
(4) They emphasised that the knowledge of the self or 'atman' should be acquired.
- Which of the statements given above are correct?
- (a) 1, 2 and 3 (b) 2, 3 and 4
(c) 1, 3 and 4 (d) 1, 2, 3 and 4
18. What is a 'biome'?
- (a) An endangered endemic species
(b) An endemic species with predatory nature
(c) Biological enzyme
(d) A large naturally occurring community of flora and fauna occupying a major habitat
19. Consider the following statements :
- (1) In the Indian classical music, Raga is basic of rhythm and Tala is the basic of melody.
(2) Ragas in the Carnatic music fall in three categories
(3) In Hindustani music, there are ten main forms or styles of singing and composition.
- Which of the statement(s) given above is/are correct?
- (a) 1 and 2 (b) 2 and 3
(c) Only 3 (d) Only 2
20. Identify the correctly matched pair:
- (a) Basal Convention - Biodiversity Conservation
(b) Montreal Protocol - Global Warming
(c) Kyoto Protocol - Climate change
(d) Ramsar Convention - Ground Water Pollution
21. Which of the following factors were responsible for the rise of different religious sects during the 6th century B.C.?
- (1) The domineering attitude of the brahmanas towards the common people
(2) Growth of untouchability and rigidity of the caste system
(3) The indiscriminate killing of cattle was ruining the concept of new agriculture
- (a) 1 and 2 (b) 1 and 3
(c) 2 and 3 (d) 1, 2 and 3
22. Consider the following statements:
- (1) The living components of ecosystem are not immortal
(2) Depending on the biological longevity, all living systems become abiotic constituents.
- Which of the above statements is/are correct?
- (a) 1 only (b) 2 only
(c) Both 1 and 2 (d) Neither 1 nor 2
23. Consider the following statements:
- (1) INS Arihant is the lead ship of India's Arihant class of nuclear-powered ballistic missile submarines.

- (2) INS Arihant is to be the first of the expected five in the class of submarines designed and constructed as part of the Indian Navy's secretive 'Advanced Technology Vessel' (ATV) project.
- Which of the above statements is/are correct?
- (a) 1 only (b) 2 only
(c) Both 1 and 2 (d) Neither 1 nor 2
24. The movement of energy from primary producers to consumers is effected by :
- (a) the process of eating
(b) the rate of rainfall
(c) the rate of evaporation
(d) the rate of transpiration
25. Consider the following statements:
- (1) Parshvanatha preached the Jain ideas of Satya, Ahimsa, Asteya and Aparigraha .
(2) Mahavira introduced Brahmacharya .
(3) Mahavira's teachings were first collected in the third century B .C .
- Choose the correct answer from the codes given below:
- (a) 1 and 2 (b) 1 and 3
(c) 2 and 3 (d) 1, 2 and 3
26. Consider the following statements :
- (1) Indian Vulture (2) Sociable Lapwing
(3) Forest Owlet (4) Siberian Crane
- Which of the above are critically endangered species?
- (a) 1, 2 and 3 (b) 2, 3 and 4
(c) 1, 2 and 4 (d) 1, 2, 3 and 4
27. Consider the following statements:
- (1) Jainism in ancient India condemned the varna system .
(2) Jain religious literature was written in Ardhamagadhi
(3) Mahavira admitted women into the order of his followers .
- Choose the correct answer from the codes given below:
- (a) 1, 2 and 3 (b) 1 and 2
(c) Only 3 (d) 2 and 3
28. The amount of accumulated dead organic matter in different forest types
- (a) decreases from pole to equator.
(b) increases from tropic of cancer to tropic of Capricorn.
(c) increases from pole to equator.
(d) stabilizes at any point between two poles.
29. Match List – I with List – II and select the correct answer using the codes given below the lists:
- | | |
|-----------------------------|------------------------|
| (A) Fourth Buddhist Council | (1) Vasumitra |
| (B) Third Buddhist Council | (2) Moggaliputta-Tissa |
| (C) Second Buddhist Council | (3) Maha Kassapa |
| (D) First Buddhist Council | (4) Sabakami |
- | | A | B | C | D |
|-----|---|---|---|---|
| (a) | 1 | 2 | 3 | 4 |
| (b) | 2 | 1 | 4 | 3 |
| (c) | 1 | 2 | 4 | 3 |
| (d) | 3 | 2 | 4 | 1 |

30. Which one of the following termite gut microbe contributes to degradation of cellulose ?
- (a) Trichonympha sp.
(b) Enterococcus sp.
(c) Enterobacter sp.
(d) Citrobacter sp.
31. According to the Dharmashastras 'Anuloma' is a marriage between a :
- (a) higher caste man and a lower caste woman
(b) lower caste man and a higher caste woman
(c) man and a woman of the same caste
(d) man and a woman of the same gotra
32. Match the List - I (Group of Plankton) and List - II (Example) and select the correct answer from the code given below :
- | List - I | | | | List - II | | | | | |
|-------------------|---|---|---|----------------|-----|---|---|---|---|
| (A) Macroplankton | | | | (1) Rotifera | | | | | |
| (B) Nanoplankton | | | | (2) Copepoda | | | | | |
| (C) Mesoplankton | | | | (3) Pyrrophyta | | | | | |
| (D) Microplankton | | | | (4) Amphipoda | | | | | |
| | A | B | C | D | | A | B | C | D |
| (a) | 3 | 4 | 1 | 2 | (b) | 2 | 1 | 4 | 3 |
| (c) | 1 | 2 | 3 | 4 | (d) | 4 | 3 | 2 | 1 |
33. Which one of the following statements is incorrect with regard to the position of women during the Vedic Age?
- (a) The practice of 'sati' was totally unknown during the later Vedic period
(b) Women enjoyed an honourable position during the early Vedic period
(c) Women took part in religious deliberations during the early Vedic period
(d) The birth of girls was looked down upon during the later Vedic period
34. Consider the following statements:
- (1) Some infectious particles loose their infection causing ability in territories closer to equator, with high average of daily sunshine houses.
(2) UV incidence can determine the survival of infectious particles.
- Which of the above statements is/are correct?
- (a) 1 only (b) 2 only
(c) Both 1 and 2 (d) Neither 1 nor 2
35. Match List – I with List – II and select the correct answer using the codes given below the lists:
- | List – I | | | | List - II | | | | | |
|------------------|---|---|---|--------------------------------|-----|---|---|---|---|
| (A) Samagrahitri | | | | (1) Superintendent of gambling | | | | | |
| (B) Kshattri | | | | (2) Collector of taxes | | | | | |
| (C) Bhagadugha | | | | (3) Chamberlain | | | | | |
| (D) Akshavapa | | | | (4) Treasurer | | | | | |
| | A | B | C | D | | A | B | C | D |
| (a) | 1 | 2 | 3 | 4 | (b) | 4 | 3 | 2 | 1 |
| (c) | 2 | 3 | 4 | 1 | (d) | 4 | 2 | 3 | 1 |
36. An organism that represents both primary producer and primary consumer of an aquatic ecosystem is :
- (a) Phytoplankton (b) Bacterioplankton
(c) Benthic algae (d) Zooplankton

37. Which of the following is incorrect about sabha and samiti in the Vedic Age?
- (a) These assemblies exercised the function of government and authority
- (b) They put some amount of restriction on the authority of the monarch
- (c) The later Vedic period saw the decline of the assemblies
- (d) Women continued to take part in the assemblies during the later Vedic period
38. Which factor(s) may affect species richness on island?
- (1) Area of the island
- (2) Distance from the mainland
- (3) Shape of the island
- Choose the correct answer from the codes given below :
- (a) 1 and 2 (b) 2 and 3
- (c) 1 and 3 (d) 1, 2 and 3
39. Ghatiyatra was used in early India for
- (a) manufacture of vessels of metal
- (d) pouring of water in sacrificial rituals
- (c) conducting tantric rituals
- (d) irrigation from wells
40. Environmentalists oppose the mining of Antarctic mineral resources because :
- (a) The demand for minerals is expected to decline as the world's nations become more industrialized.
- (b) Environment of Antarctica is extremely vulnerable and fragile to the disturbance that would occur with the development.
- (c) Territorial claims to Antarctica are unresolved.
- (d) Currently known reserves of minerals and metals are considered inexhaustible.
41. Harsha was the author of
- (1) Harshcharita (2) Ratnavali
- (3) Nagananda (4) Priyadarsika
- (5) Kadambari
- Select the answer from the codes given below:
- (a) 1, 2 and 3 (b) 2, 3 and 4
- (c) 3, 4 and 4 (d) 2, 4 and 5
42. Which of the following statements is not true for the solubility of CO₂ in seawater?
- (a) It increases with increase in partial pressure of CO₂.
- (b) It increases with increase in pH.
- (c) It increases with increase in temperature.
- (d) It decrease with increase in salinity.
43. Who of the following Gupta Kings granted permission to Meghaverma, the ruler of Sri Lanka to build a Buddhist temple at Gaya ?
- (a) Chandragupta I (b) Samudragupta
- (c) Chandragupta II
- (d) Skandagupta
44. What was the theme for the International Ozone Day (year 2017) ?
- (a) 'Caring for all life under the Sun'
- (b) 'Ozone : All there is between you and UV'
- (c) 'Ozone and Climate : Restored by a World United'
- (d) '30 years of healing Ozone Together'

45. Arrange the following countries from west to east:
- (1) Kuwait (2) Bahrain
(3) Qatar
(4) The United Arab Emirates (UAE)
- (a) 1 – 3 – 4 – 2 (b) 1 – 2 – 3 – 4
(c) 3 – 1 – 2 – 4 (d) 3 – 2 – 1 – 4
46. Consider the following statements:
- (1) Ocean Thermal Energy Conversion (OTEC) power plants have low efficiencies.
(2) Efficiency of Ocean Thermal Energy Conversion (OTEC) power plants is governed by 2nd law of thermodynamics.
- Which of the above statements is/are correct?
- (a) 1 only (b) 2 only
(c) Both 1 and 2 (d) Neither 1 nor 2
47. There are only two known examples of cave paintings of the Gupta period in ancient India. One of these is paintings of Ajanta caves. Where is the other surviving example of Gupta paintings ?
- (a) Bagh Caves (b) Ellora caves
(c) Lomas Rishi Cave
(d) Nasik Caves
48. Consider the following statements:
- (1) The efficiency of silicon solar cell decreases with increase in temperature.
(2) The intrinsic resistance of the solar cell increases with rise in temperature.
- Which of the above statements is/are correct?
- (a) 1 only (b) 2 only
(c) Both 1 and 2 (d) Neither 1 nor 2
49. The salient feature of the Rig Vedic religion was worship of
- (a) Pasupati (b) Nature
(c) Trimurti (d) Mother Goddess
50. Biodiesel is produced from oils and fats using:
- (a) Transesterification
(b) Anaerobic digestion
(c) Pyrolysis
(d) Fermentation
51. Which of the following classical works of literature were written during the Gupta Era?
- (1) Amarakosha (2) Kamasutra
(3) Meghduta (4) Mudrarakshasa
- Select the correct answer from the codes given below:
- (a) 1 and 2 (b) 2 and 3
(c) 1, 2 and 3 (d) 1, 2, 3 and 4
52. Match List - I (Sanctuary) with List - II (State) and select the correct answer using the codes given below the lists:
- | List - I | | List - II | |
|----------------------|---------|--------------|--|
| A) Sharavathi Valley | | 1) Gujarat | |
| B) Satkosia Gorge | | 2) Goa | |
| C) Pirotan Island | | 3) Odisha | |
| D) Bhagwan Mahavir | | 4) Karnataka | |
| | A B C D | | |
| (a) | 2 1 3 4 | | |
| (b) | 4 1 3 2 | | |
| (c) | 4 3 1 2 | | |
| (d) | 2 3 1 4 | | |

53. Consider the following statements about Stupas:
- (1) The Stupa originated as a simple circular mound of Earth, later called 'Anda'.
- (2) It had the shape of a bowl turned upside down, i.e., a hemispherical dome.
- (3) At the top, which was a bit flat, used to be its Harmika, i.e., the abode of the Gods.
- Choose the correct answer from the codes given below:
- (a) 1 and 2 (b) 2 and 3
(c) 1 and 3 (d) 1, 2 and 3
54. Which of the following is an organocarbamate insecticide?
- (a) Parathion (b) Chloropyritos
(c) Aldicarb (d) Malathion
55. Consider the following statements:
- (1) Nagara and Dravida temples are generally identified with the Northern and Southern temple styles respectively.
- (2) The earliest temples of Dravidian style temple are the rock cut temples known as Dharmaraja Ratha at Mamallapuram and structural temples at Kanchi.
- Which of the above statements is/are correct?
- (a) Only 1 (b) Only 2
(c) Both 1 and 2 (d) Neither 1 nor 2
56. The bioremediation technique of a contaminated soil does not require the fulfilment of which of the following conditions?
- (a) Waste must be present in a physical form that is susceptible to microbes.
- (b) Waste must be susceptible to biodegradation.
- (c) Environmental conditions such as pH, temperature and oxygen level must be appropriate.
- (d) Microbes of any type must be available.
57. Match List – I (Temple/Heritage Site) with List – II (State) and select the correct answer using the codes given below the lists:
- | List – I | List - II |
|------------------------------|----------------|
| (A) Brihadeswara Temple | (1) Orissa |
| (B) Dilawara Temple | (2) Tamil Nadu |
| (C) Lingaraja Temple | (3) Karnataka |
| (D) Hampi Group of Monuments | (4) Rajasthan |
- | | A | B | C | D |
|-----|---|---|---|---|
| (a) | 1 | 3 | 2 | 4 |
| (b) | 2 | 4 | 1 | 3 |
| (c) | 2 | 3 | 1 | 4 |
| (d) | 1 | 4 | 2 | 3 |
58. Consider the following statements:
- (1) NO_x and Volatile Organic Compounds (VOCs) are primary precursors in photochemical smog formation.
- (2) NO_x and VOCs form oxidants by thermal reactions.
- Which of the above statements is/are correct?
- (a) 1 only
(b) 2 only
(c) Both 1 and 2
(d) Neither 1 nor 2

59. Consider the following statements :
- (1) Manu : Brahmin can lend to wicked people at low interests.
- (2) Apasthamba : Sudras and women have right to study the puranas.
- (3) Yajnavalkya : Women have a right to inheritance.
- Choose the correct answer from the codes given below:
- (a) 1 and 2 (b) 2 and 3
(c) 1, 2 and 3 (d) 1 and 3
60. Elvira Rat is found in
- (a) Eastern Ghats (b) Western Ghats
(c) Himalayas (d) Aravalis
61. The first inscriptional evidence of Sati is in
- (a) Damodarpur copper plate inscription
(b) Allahabad pillar inscription
(c) Eran inscription of Bhanugupta
(d) Mathura inscription
62. Match the List - I (EIA methods) and List – II (Features) and select the correct answer from the code given below :
- List - I
- (A) Overlays
(B) Networks
(C) Battelle Columbus
(D) Simulation modelling
- List – II
- (1) Environmental Evaluation System
(2) Adaptive environmental assessment
(3) Environmental Systems as a complex web
- (4) Composite impact by superimposing maps
- | | | | | | | | |
|---|---|---|---|---|---|---|---|
| A | B | C | D | A | B | C | D |
|---|---|---|---|---|---|---|---|
- (a) 1 2 3 4 (b) 2 3 4 1
(c) 3 4 1 2 (d) 4 3 1 2
63. The Painted Grey Ware (PGW) belongs to:
- (a) the Harappan civilisation
(b) the Neolithic age
(c) the Vedic age
(d) the Chalcolithic age
64. The baseline studies in EIA pertain to :
- (a) Collection of demographic data only
(b) Prediction of significant residual environmental impact
(c) Existing environmental setting of the proposed development
(d) Selection of the best project option available
65. Which one of the following pairs are correctly matched?
- (a) Yogakshemam Vahamyaham : Rig Veda
(b) Satyam Shivam Sundaram : Bhagavad Gita
(c) Satyamevjayate : Mundaka Upanishad
(d) Vasudhaiva Kutumbakam : Arthashastra
66. Which one of the following steps is not included in the scoping process ?
- (a) Baseline descriptions and potential additional data collection needs
(b) Description of environmental impacts and creation of contingency plan

- (c) Defining a set of criteria to assess the project
- (d) Setting of experts team that will conduct EIA
67. Consider the following statements with reference to 3D Printing :
- (1) It is also called additive manufacturing
- (2) To perform a print, the machine reads the design from 3D printable file
- Which of the above statements is/are correct?
- (a) 1 only (b) 2 only
- (c) Both 1 and 2 (d) Neither 1 nor 2
68. A company conducted an environmental risk assessment to evaluate the possible impacts of releasing various levels of pollutants from a chemical plant. An environmental risk assessment should focus on :
- (a) Beneficial aspects of the products produced by the plant
- (b) The legislative requirements related to the human health effects as a result of exposure to the pollutant
- (c) The quantification of hazards to the local environment from pollutants released
- (d) Detailed outline of the management process to reduce the health effects related to exposure to the pollutants
69. Which of the following statements is incorrect?
- (a) Gandhara School of Art used black stone for images
- (b) Mathura School of Art used granite for images
- (c) Amaravati School of Art used marble for images
- (d) The Stupa at Nagarjunkonda is concentric in form
70. Under the Air Act, 1981, which body is empowered to set standard for ambient air quality ?
- (a) Ministry of Environment, Forest and Climate Change (MOEFCC)
- (b) Ministry of Home Affairs
- (c) Central Pollution Control Board (CPCB)
- (d) State Ministry of Home Affairs
71. Match List – I (Rock Edicts and inscriptions of Ashoka) with List – II (Contents) and select the correct answer using the codes given below the lists :
- List – I
- (A) Major Rock Edicts
- (B) Kalinga Rock Edicts
- (C) Minor Rock Edicts
- (D) Bhabru - Bairat Rock Edicts
- List - II
- (1) New system of administration after Kalinga War
- (2) Various principles of Dhamma
- (3) Ashoka's conversion to Buddhism
- (4) Personal history of Ashoka and summary of his Dhamma
- | | A | B | C | D | | A | B | C | D |
|-----|---|---|---|---|-----|---|---|---|---|
| (a) | 1 | 2 | 3 | 4 | (b) | 2 | 1 | 4 | 3 |
| (c) | 1 | 2 | 4 | 3 | (d) | 2 | 1 | 3 | 4 |

72. What is meant by the doctrine of riparian rights?
- (a) Prevention is better than cure.
 (b) One who pollutes the water, must pay for it.
 (c) Every owner has a right to get unpolluted water without alteration.
 (d) All of the above.
73. Consider the following foreign visitors to India:
- (1) Al-Biruni (2) Fa-hien
 (3) Hiuen Tsang (4) Megasthenes
- The correct chronological order in which these persons visited India is
- (a) 4 – 3 – 1 – 2 (b) 2 – 4 – 3 – 1
 (c) 4 – 2 – 3 – 1 (d) 1 – 2 – 4 – 3
74. Which environmental legislation in India makes it compulsory to obtain prior approval of the Central Government for diversion of forest lands for non - forest purposes ?
- (a) Environment (Protection) Act, 1986
 (b) Indian Forest Act, 1927
 (c) Forest Conservation Act, 1980
 (d) The Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006.
75. The cultivation of cereals first started in
- (a) Neolithic Age (b) Mesolithic Age
 (c) Paleolithic Age (d) Chalcolithic age
76. The Lime stabilization and drying of biosolids ensure :
- (1) Creating unfavourable condition to vector
- (2) High pH of contents in biosolids
 (3) Reduction of all toxic elements
- Choose the correct answer from the codes given below :
- (a) 1, 2 and 3 (b) 1 and 3
 (c) 1 and 2 (d) 2 and 3
77. Consider the following statements:
- (1) Naradasmriti is the earliest text to deal exclusively with legal matters.
 (2) Asvaghosa was the first dramatist to use Sanskrit for the composition of plays.
- Which of the above statements is/are correct?
- (a) Only 1 (b) Only 2
 (c) Both 1 and 2 (d) Neither 1 nor 2
78. Which one of the following waste may undergo exothermic self - accelerating decomposition?
- (a) Organic peroxides
 (b) Arsenic bearing sludges
 (c) Organo - Chlorines
 (d) Vinyl chlorides
79. Who among the following anticipated Newton by declaring that all things gravitate to the Earth?
- (a) Aryabhata (b) Varahamihira
 (c) Buddhagupta (d) Brahmagupta
80. Which of the following is not a Millennium Development Goal ?
- (a) Ensuring environmental sustainability
 (b) Eradicating extreme hunger and poverty
 (c) Developing global partnership for development

<p>(d) Achieving universal energy security</p> <p>81. Consider the following literary works:</p> <p>(1) Kumar Sambhavam</p> <p>(2) Mudrarakshasa</p> <p>(3) Raghuvamsa</p> <p>(4) Ritusamhara</p> <p>Which of these were the works of Kalidasa?</p> <p>(a) 1, 2 and 3 (b) 2, 3 and 4</p> <p>(c) 1, 3 and 4 (d) 1, 2 and 4</p> <p>82. The definition of 'air pollutant' as per section 2(a) of Air Act, 1981, includes:</p> <p>(a) Liquid and gaseous substances</p> <p>(b) Solid, liquid and gaseous substances, including noise</p> <p>(c) Gaseous substances</p> <p>(d) Solid, liquid and gaseous substances</p> <p>83. The Bhakti literature by the Nayanars and Alvars</p> <p>(a) stressed the rigidities of traditional rituals</p> <p>(b) opposed the practice of image worship</p> <p>(c) preached personal devotion to God as a means of salvation</p> <p>(d) advocated the austerities preached by the Buddhists and Jains</p> <p>84. Which of the following material(s) are used as land fill liner for the control of gas and leachate movement?</p> <p>(1) Sand (2) Bentonite</p> <p>(3) Fly ash (4) Butyl rubber</p> <p>Choose the correct answer from the codes given below :</p>	<p>(a) 1 and 2 (b) 1 and 3</p> <p>(c) 3 and 4 (d) 2 and 4</p> <p>85. Who amongst the following personages of ancient India was not connected with the ancient system of medicine?</p> <p>(a) Bhaskaracharya</p> <p>(b) Charaka</p> <p>(c) Dhanvantari</p> <p>(d) Susruta</p> <p>86. In the total global ecological footprint, which country has the maximum share ?</p> <p>(a) USA (b) China</p> <p>(c) India (d) Brazil</p> <p>87. Match List – I with (Events related to Buddha) with List – II (Places) and select the correct answer from the codes given below:</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">List – I</td> <td style="width: 50%;">List - II</td> </tr> <tr> <td>(A) Birth of Buddha</td> <td>(1) Lumbini</td> </tr> <tr> <td>(B) Enlightenment</td> <td>(2) Bodh Gaya</td> </tr> <tr> <td>(C) First Sermon</td> <td>(3) Saranath</td> </tr> <tr> <td>(D) Death of Buddha</td> <td>(4) Kushinagar</td> </tr> </table> <table style="width: 100%; border: none; margin-top: 10px;"> <tr> <td style="width: 25%;"></td> <td style="width: 12.5%; text-align: center;">A</td> <td style="width: 12.5%; text-align: center;">B</td> <td style="width: 12.5%; text-align: center;">C</td> <td style="width: 12.5%; text-align: center;">D</td> <td style="width: 25%;"></td> <td style="width: 12.5%; text-align: center;">A</td> <td style="width: 12.5%; text-align: center;">B</td> <td style="width: 12.5%; text-align: center;">C</td> <td style="width: 12.5%; text-align: center;">D</td> </tr> <tr> <td>(a)</td> <td style="text-align: center;">2</td> <td style="text-align: center;">1</td> <td style="text-align: center;">3</td> <td style="text-align: center;">4</td> <td>(b)</td> <td style="text-align: center;">1</td> <td style="text-align: center;">3</td> <td style="text-align: center;">4</td> <td style="text-align: center;">2</td> </tr> <tr> <td>(c)</td> <td style="text-align: center;">2</td> <td style="text-align: center;">1</td> <td style="text-align: center;">4</td> <td style="text-align: center;">3</td> <td>(d)</td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> <td style="text-align: center;">3</td> <td style="text-align: center;">4</td> </tr> </table> <p>88. Which state in India is a pioneer in making rain water harvesting as a compulsory measure in towns to avoid ground water depletion ?</p> <p>(a) Kerala (b) Arunachal Pradesh</p> <p>(c) Tamil Nadu (d) Maharashtra</p>	List – I	List - II	(A) Birth of Buddha	(1) Lumbini	(B) Enlightenment	(2) Bodh Gaya	(C) First Sermon	(3) Saranath	(D) Death of Buddha	(4) Kushinagar		A	B	C	D		A	B	C	D	(a)	2	1	3	4	(b)	1	3	4	2	(c)	2	1	4	3	(d)	1	2	3	4
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(c)	2	1	4	3	(d)	1	2	3	4																																

89. Under which river, India's first underwater metro tunnel had been built recently?
- (a) Narmada (b) Krishna
(c) Hooghly (d) Godavari
90. Environmental education :
- (1) Increases public awareness
(2) Provides knowledge of environmental issues
(3) Does not provide disciplinary focus
(4) Sensitizes individuals about the necessity of sustainable development
- Choose the correct answer from the codes given below:
- (a) 1, 3 and 4 (b) 1, 2 and 4
(c) 2, 3 and 4 (d) 1, 2, 3 and 4
91. Consider the following pairs :
- (1) Apennines. : Italy
(2) Pyrenees. : Poland
(3) Balkans. : Turkey
- Which of the above pairs are correctly matched?
- (a) 1 and 2
(b) 2 and 3
(c) 1 and 3
(d) 1, 2 and 3
92. Consider the following statements:
- (1) Climate change induced monsoon variability may have serious consequences for Indian agriculture.
(2) Two – third (2/3rd) of area under cultivation in India is rain dependent.
- Which of the above statements is/are correct?
- (a) 1 only (b) 2 only
(c) Both 1 and 2 (d) Neither 1 nor 2
93. The seasonal reversal of winds is the typical characteristic of
- (a) Equatorial climate
(b) Mediterranean climate
(c) Monsoon climate
(d) Semi-arid climates
94. Consider the following statements
- (1) Major forest type of the Nanda Devi Biosphere Reserve is temperate.
(2) Nilgiri Biosphere Reserve possesses dry scrubs and swamps.
- Select the correct answer from the codes given below:
- (a) 1 Only (b) 2 Only
(c) Both 1 and 2 (d) Neither 1 nor 2
95. Central Board of Film Certification has been in news recently. Which of the following is correct regarding CBFC?
- (1) CBFC is a statutory body
(2) The Board consists of non-official members and a Chairman, all of whom are appointed by Central Government.
(3) At present films are placed under four categories.
- Choose the correct answer from the codes given below:
- (a) 1 and 2 (b) 2 and 3
(c) 1 and 3 (d) 1, 2 and 3

96. Consider the following statements regarding Prime Minister's Research Fellows (PMRF):
- (1) It aims to realize importance of innovation and technology for progress and development of the nation.
- (2) The research undertaken by fellows under this scheme will address national priorities at one hand and shortage of quality faculty on the other hand.
- Which of the above statements is/are correct?
- (a) 1 only (b) 2 only
(c) Both 1 and 2 (d) Neither 1 nor 2
97. Which of the following is correct regarding revised target of Jawaharlal Nehru National Solar Mission?
- (1) JNNSM targets to reach 1,00,000 MW by 2022
- (2) All this will be done through Rooftop solar projects
- Which of the above statements is/are correct?
- (a) 1 only (b) 2 only
(c) Both 1 and 2 (d) Neither 1 nor 2
98. Consider the following statements regarding Minamata Convention:
- (1) The Union Cabinet has approved the proposal for ratification of Minamata Convention on Uranium.
- (2) The Convention bans new Mercury mines.
- Which of the above statements is/are correct?
- (a) 1 only
(b) 2 only
(c) Both 1 and 2
(d) Neither 1 nor 2
99. Match List – I (Field of study) with List – II (Nomenclature) and select the correct answer using the codes given below the lists:
- | | |
|---|-----------------|
| (A) Study of Coins | (1) Epigraphy |
| (B) Study of Inscriptions | (2) Numismatics |
| (C) Study of old writing used in inscriptions | (3) Paleography |
- | | A | B | C |
|-----|---|---|---|
| (a) | 2 | 1 | 3 |
| (b) | 2 | 3 | 1 |
| (c) | 1 | 2 | 3 |
| (d) | 1 | 3 | 2 |
100. 'Discovered Small Field Policy' is related to :
- (a) Science and Technology
(b) Oil resources
(c) Defence
(d) Nuclear resources