

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



SRI CHAITANYA IAS ACADEMY

TEST BOOKLET SERIES

A

TEST BOOKLET
GENERAL STUDIES

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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1. Consider the following statements regarding 'pygmy hog' which was in news recently:
- (1) The smallest member of the pig family, the pygmy hog (*porcula salvania*), is an endangered species.
 - (2) Pygmy hogs act as 'indicator species' for health of grasslands and is found in just three places in Assam—Manas, Sonai Rupai and Orang.
- Which of the above statements is/are correct?
- (a) 1 only
 - (b) 2 only
 - (c) Both 1 and 2
 - (d) Neither 1 nor 2
2. Which population is most likely to exhibit an evolutionary response to a change in its environment?
- (a) A population in which all organisms are genetically identical and which has high reproductive rate
 - (b) A population which has high genetic variability
 - (c) A population in which the effect of intra specific competition is reduced by behavioral adaptations
 - (d) A population which undergoes genetic drift
3. If the Prime Minister of India belonged to the Upper House of the Parliament, which among the below statements is/are correct?
- (1) He will not be able to vote in his favour in the event of a no- confidence motion
 - (2) He will not be able to speak on the budget in the Lower House
 - (3) He can make statements only in the Upper House
 - (4) He has to become a member of the Lower House within six months after being sworn in as the Prime Minister
- (a) 1, 2 and 4
 - (b) 1, 2, 3 and 4
 - (c) 1 Only
 - (d) 1 and 4
4. Consider the following statements:
- (1) Agricultural density reveals the pressure of population on agricultural land
 - (2) Agricultural density is calculated by dividing total agriculture land by the population.
- Which of the above statement is/are correct?
- (a) 1 only
 - (b) 2 only
 - (c) Both 1 and 2
 - (d) Neither 1 and 2

5. Which of the following could be a reason to a strange situation 'where in employment is increasing and also unemployment is increasing'?
- (a) Too many people are retiring
 (b) The labour participation rate is decreasing
 (c) An increase in number of unattractive jobs
 (d) Labour force is increasing by more than employment
6. With reference to "The UNESCO Creative Cities Network (UCCN)", consider the following statements
- (1) The Network covers six creative fields: Crafts and Folk Arts, Media Arts, Film, Design, Literature and Music
 (2) Chennai (added as City of Music) is the third Indian city on the list after Varanasi (City of Crafts and Folk Art) and Jaipur (added as City of Music)
- Select the **incorrect** statements using the codes given below :
- (a) 1 only
 (b) 2 only
 (c) Both 1 and 2
 (d) Neither 1 nor 2
7. Consider the following statements about effects of acceleration due to gravity 'g'
- (1) A person who buys 1 kg of tomatoes at equator will get more compared to at poles
- (2) A person who buys 1 kg of tomatoes at poles will get less compared to at equator
 (3) A person will be weighed more in New Delhi when compared to a person at Lhasa (Tibet)
 (4) A person will be weighed less near surface of the earth when compared to a person near to its centre
- Which of the above statements are correct?
- (a) 1 and 2
 (b) 2, 3 and 4
 (c) 2 and 3
 (d) 1, 2, 3 and 4
8. Mulching is an important form of organic farming. Which of the following are effects of mulching on soil fertility?
- (1) Decreasing water loss due to evaporation
 (2) Sustaining weed growth by increasing the amount of light reaching the soil
 (3) Increasing the number of micro-organisms in the top soil
 (4) Adding nutrients to the soil & improving soil structure
- (a) 1, 2 and 3
 (b) 1 and 3
 (c) 1, 3 and 4
 (d) 1, 2, 3 and 4

9. Consider the following statements about MAGLEV technology:
- (1) It is based on the concept of Super conductivity
 - (2) Bullet trains are based on this technology
 - (3) Main limitation is operations will stop if there are heavy rains, snow and ice fall
 - (4) Its strong magnetic field can create bio-hazard
- Which of the above statements are correct?
- (a) 1, 2 and 3
 - (b) 2, 3 and 4
 - (c) 1, 2 and 4
 - (d) 1, 2, 3 and 4
10. Which of the following is/are correct with reference to Great Plains of India?
- (1) Soils of the plains are agriculturally most fertile
 - (2) The plains are often termed as 'Granary of India'
 - (3) Number of canals have been carved out of these rivers in the plains
 - (4) Sedimentary rocks of the plains have petroleum and natural gas deposits
- (a) 1 and 2
 - (b) 2 and 3
 - (c) 1, 3 and 4
 - (d) 1, 2, 3 and 4
11. Consider the following:
- (1) A decrease in government spending
 - (2) Appreciation of the rupee
 - (3) A decrease in tax rates
 - (4) An increase in interest rates
- Which of the above can be considered as an appropriate fiscal policy for severe recession?
- (a) 2, 3 and 4
 - (b) 2 and 3
 - (c) 3 only
 - (d) 1, 2 and 3
12. Which of the following are correctly matched?
- (1) Vinaya Pitaka - Book of Discipline
 - (2) Abhidhamma Pitaka - The philosophy and doctrine of Buddhism
 - (3) Sutta Pitaka - The essence of the Buddha's teaching's regarding Dhamma
- Select the **incorrect** answer using the codes given below:
- (a) 1 and 2
 - (b) 1 and 3
 - (c) 2 and 3
 - (d) None of the above
13. Consider the following:
- (1) An increase in indirect taxes on basic food items

<p>(2) Introduction of food for work and employment guarantee scheme</p>	<p>(a) 1, 2 and 4 (b) 2, 3 and 4 (c) 1, 3 and 4 (d) 1, 2, 3 & 4</p>																									
<p>(3) An increase in the salaries of all government employees</p> <p>Which of the above policies by government can lead to reduction in income inequalities in an economy?</p> <p>(a) 1, 2 and 3 (b) 2 only (c) 1 and 2 (d) 2 and 3</p>	<p>17. Match List - I with List - II and select the correct answer from the codes given below:</p> <p>List - I</p> <p>(A) Bhabar plain (B) Terai plain (C) Khaddar plain (D) Bhangar plain</p>																									
<p>14. Who founded the Tamil journal 'Kudi Arasu'?</p> <p>(a) E. V. Ramaswami Naicker (b) T. M. Nair (c) C. N. Mudaliar (d) Narayana Guru</p>	<p>List - II</p> <p>(1) marshy tract, where streams reappear to the surface (2) deposition of the older alluvium (3) belt consisting of gravel and unasserted sediments (4) younger alluvium of flood plains</p>																									
<p>15. Bidanooru fort was in news recently. Where is it located?</p> <p>(a) Karnataka (b) Tamil Nadu (c) Rajasthan (d) Kerala</p>	<table border="0"> <thead> <tr> <th></th> <th>A</th> <th>B</th> <th>C</th> <th>D</th> </tr> </thead> <tbody> <tr> <td>(a)</td> <td>1</td> <td>3</td> <td>4</td> <td>2</td> </tr> <tr> <td>(b)</td> <td>3</td> <td>1</td> <td>2</td> <td>4</td> </tr> <tr> <td>(c)</td> <td>2</td> <td>1</td> <td>4</td> <td>3</td> </tr> <tr> <td>(d)</td> <td>3</td> <td>1</td> <td>4</td> <td>2</td> </tr> </tbody> </table>		A	B	C	D	(a)	1	3	4	2	(b)	3	1	2	4	(c)	2	1	4	3	(d)	3	1	4	2
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(b)	3	1	2	4																						
(c)	2	1	4	3																						
(d)	3	1	4	2																						
<p>16. Which of the following are true regarding Biodiversity Act 2002?</p> <p>(1) Local people can freely access biological resources</p> <p>(2) Equitable sharing of benefits with locals is provided</p> <p>(3) Foreign nationals are prohibited from access to our biological resources that are traditionally the heritage of India.</p> <p>(4) Indian Nationals, if necessary, can import biological resources with prior permission.</p>	<p>18. The Bhagoria Haat Festival is a colorful festival, usually considered as a marriage market held by the tribes of the Bhils and the Bhilalas. In which of the following states is 'Bhagoria Haat' celebrated?</p> <p>(a) Uttar Pradesh (b) Madhya Pradesh (c) Haryana (d) Rajasthan</p>																									

19. Consider the following statements with respect to 'Mysorean rocket' which was in news recently:
- (1) Tipu Sultan is credited with developing an early, indigenous Indian rocket known as the 'Mysorean rocket'.
- (2) British later used it as a blueprint to develop their own 'Congreve' rockets that were used in the wars against Napoleonic France.
- (3) The Mysore rockets of this period were much more advanced than what the British had seen or known
- (4) The construction of the Indian rocket combined all the best features of iron, steel and gunpowder with their superb mechanical structure.
- Which of the above statements is/ are **incorrect**?
- (a) 2 and 3
(b) 3 only
(c) 1, 2 and 3
(d) None of the above
20. Recently the Prime Minister renamed three islands of Andaman and Nicobar as a tribute to Netaji Subhas Chandra Bose. In this context, consider the following pairs:
- | Island old name | | New Name |
|-----------------|---|---------------|
| (1) Ross Island | - | Netaji Subhas |
- (2) Neill Island - Chandra Bose Island
- (3) Havelock Island - Swaraj Dweep
- (4) S h a h e e d Dweep
- Which of the pairs given above is/ are correct?
- (a) 1, 2 and 3
(b) 1 and 3
(c) 3 Only
(d) 1 only
21. Consider the following statements about Biotechnology:
- (1) Reprogenetics is the merger of reproductive medicine with genetics
- (2) RNAi is a way of silencing genes responsible for illness
- (3) Genomics is the science of improving a population by controlled breeding to increase the occurrence of desirable heritable characteristics
- (4) Eugenics is concerned with the sequencing, analysis and structure of DNA
- Which of the above statements are correct?
- (a) 1, 2 and 3
(b) 2, 3 and 4
(c) 1 and 2
(d) 1, 2 and 4

22. Which of the following vegetation has the characteristics of moderate rainfall of 100 to 200cm per annum and average relative humidity of 60 to 70%?
- (a) Tropical Dry Evergreen Forests
 (b) Tropical wet evergreen forests
 (c) Tropical dry deciduous forests
 (d) Tropical moist deciduous forests
23. Organic farming works in harmony with nature rather than against it. Which of the following techniques can be used to ensure good crop yields without harming the environment?
- (1) Crop rotation
 (2) Use of resistant monoculture crops
 (3) Using natural pesticides
 (4) Mulching on the soil surface
- Select the correct answer from the codes below:
- (a) 1 and 3
 (b) 1, 3 and 4
 (c) 1, 2 and 3
 (d) 1, 2, 3 and 4
24. Consider the following statements:
- (1) The President has the right to address and send messages to the Council of Ministers to elicit specific information.
- (2) The President can direct any matter on which decision has been taken by a Minister to be placed before the Council of Ministers.
 (3) The President can seek any information relating to proposals for legislation.
 (4) All decisions of the Council of Ministers relating to the administration of the Union must be communicated to the President.
- Which of the above statements is/are correct with respect to powers of President?
- (a) 1, 2 and 3
 (b) 2, 3 and 4
 (c) 1 and 4
 (d) 1, 2, 3 and 4
25. Among the following which accurately depicts the levels of economic integration from least to the most integrated
- (a) Common market, economic union, free trade area, customs union
 (b) Common market, economic union, customs union
 (c) FTA, customs union, common market, economic union
 (d) FTA, common market, customers union, economic union

26. With reference to 'Hyper-Spectral Imaging Satellite (HysIS)'. Consider the following statements
- (1) HysIS is an earth observation satellite built by NASA.
 - (2) The mission life of the satellite is ten years
 - (3) The primary goal of HysIS is to study the earth's surface in both the visible, near infrared and shortwave infrared regions of the electromagnetic spectrum
 - (4) The satellite will be used for a wide range of applications including agriculture, forestry, soil/geological environments, coastal zones and inland waters, etc
- Which of the above statements is/are **incorrect**?
- (a) 1 and 2
 - (b) 2 only
 - (c) 1 and 3
 - (d) 1, 2, 3 and 4
27. Which of the following is/are correct?
- (1) Natural vegetation in India reflects a state of perfect harmony with the relief and climatic conditions of the sub-continent
 - (2) It is easy to infer the vegetation by superimposing the maps of annual rainfall and altitude above the mean sea level
- (a) 1 only
(b) 2 only
(c) Both 1 and 2
(d) Neither 1 nor 2
28. Consider the following statements about aedes aegypti (mosquito) :
- (1) It is responsible for propagation of deadly diseases like Dengue, Malaria, Microcephaly
 - (2) It only bites during evenings
 - (3) It is also known as yellow fever mosquito
- Which of the above statements are correct?
- (a) 1, 2 and 3
 - (b) 2 and 3
 - (c) 3 only
 - (d) 1 and 2
29. Of the following green house gases, the gas whose concentration levels have increased the most since Industrial Revolution is
- (a) Water Vapour
 - (b) Carbon dioxide
 - (c) Nitrous oxide
 - (d) Methane
30. Which of the following are to be considered as part of the Right to life and personal liberty?
- (1) Right to free legal aid
 - (2) Right to speedy trial
 - (3) Right against public hanging

- | | |
|---|---|
| <p>(4) Right to Timely Medical Treatment in Government Hospital</p> <p>(5) Right to Information</p> <p>(6) Right to Reputation</p> <p>(a) 1, 2, 3, 4 and 5</p> <p>(b) 2, 3, 4 and 5</p> <p>(c) 1, 4 and 5</p> <p>(d) 1, 2, 3, 4, 5 and 6</p> | <p>(4) Gamma cameras can view organs from many different angles</p> <p>Which of the above statements are correct?</p> <p>(a) 1, 2 and 3</p> <p>(b) 2, 3 and 4</p> <p>(c) 1 and 2</p> <p>(d) 1, 2, 3 and 4</p> |
| <p>31. On 22nd January 1946, the Cabinet Mission came to India to discuss the transfer of power from the British government to the Indian leadership, with the aim of preserving India's unity and granting it independence. Who among the following were the members of the Cabinet Mission?</p> <p>(1) Lord Pethick-Lawrence</p> <p>(2) Sir Stafford Cripps</p> <p>(3) Lord Wavell</p> <p>(4) Mr. Alexander</p> <p>Select the correct answer from the codes given below:</p> <p>(a) 1 and 2 (b) 1, 3 and 4</p> <p>(c) 1, 2 and 4 (d) 1, 2 and 3</p> | <p>33. Bhiku Ramji Idate Commission was seen recently in news. It submitted its report on which of the following groups?</p> <p>(a) Sheduled Castes</p> <p>(b) Tribes of Andaman and Nicobar</p> <p>(c) Backward Classes</p> <p>(d) Denotified, Nomadic and Semi-Nomadic tribes</p> |
| <p>32. Consider the following statements about Nuclear medicine</p> <p>(1) It uses radiation to diagnose and treat diseases</p> <p>(2) It was initially developed using Iodine-131</p> <p>(3) Iridium - 192 is used to treat non-malignant disorders in the head</p> | <p>34. Consider the following:</p> <p>(1) Southern Oscillation means whenever the surface level pressure is high over the Indian Ocean, there is low pressure over the Pacific Ocean and vice-versa.</p> <p>(2) La Nino is the complete opposite of EL-NINO. It is harbinger of low monsoon showers in India.</p> <p>Which of the above statements is/ are incorrect?</p> <p>(a) 1 only</p> <p>(b) 2 only</p> <p>(c) Both 1 and 2</p> <p>(d) Neither 1 nor 2</p> |

35. Consider the following:
- (1) Weathering is the process that results in the break down and chemical changes of the parent rocks in-situ.
 - (2) Gleying normally occurs in water-logged or permanent wet areas.
- Which of the above statements is/are correct?
- (a) 1 only
 - (b) 2 only
 - (c) Both 1 and 2
 - (d) Neither 1 nor 2
36. Which of the following statements is/are true with regard to amendment under Article 368?
- (1) Constitutional amendment does not fall within the definition of law under Article 13
 - (2) States created or changed under Article 3 do not come under Article 368 for amendment
- (a) 1 only
 - (b) 2 only
 - (c) Both 1 and 2
 - (d) Neither 1 nor 2
37. Consider the following statements:
- (1) Gaganyaan - India's first Indian human mission will be launched by ISRO by 2022.
 - (2) The programme will make India the fourth nation in the world to launch a Human Space flight Mission.
- (3) So far, only the USA, Russia and China have launched human space flight missions.
 - (4) The spacecraft will be placed in a low earth orbit of 300-400km.
 - (5) GSLV Mk-III launch vehicle will be used to launch Gaganyaan.
- Which of the above statements is/are correct?
- (a) 1 and 4
 - (b) 2 and 3
 - (c) 2, 3 and 4
 - (d) 1, 2, 3 and 4
38. Which of the following statements are correct about C & Ku Band ?
- (1) The frequency of Ku Band is greater than C band.
 - (2) C Band performs better under adverse weather conditions in comparison to Ku band.
 - (3) C Band has a higher likelihood of terrestrial interference in comparison to Ku Band.
 - (4) Equipment required for working on C-band is more expensive than on Ku Band
- (a) 1, 2 and 3
 - (b) 1, 2 and 4
 - (c) 1 and 3
 - (d) 1, 2, 3 and 4

39. The Meghalaya-Mikir Uplands have been detached from the Indian Peninsula by
- Bhor ghat gap
 - Shenkotta gap
 - Palghat gap
 - Malda gap
40. Consider the following
- Market borrowing by the government
 - Proceeds from disinvestment
 - Recoveries of loan
 - Proceeds from sales of assets
- Which of the above are included in capital receipts?
- 1, 2 and 4
 - 1 and 3
 - 2 and 3
 - 1, 2, 3 & 4
41. Which of the following are the potential benefits of nuclear fusion reactors?
- Enough readily available fuel to last more than millions of years.
 - No Green House gas emissions.
 - Nuclear plants will produce more readily controllable nuclear wastes.
 - Deuterium and Lithium can be used as potential fuels.
- 1, 2 and 3
 - 2, 3 and 4
 - 1 and 4
 - 1, 2, 3 and 4
42. Khajuraho Temples are dedicated to which of the following religion?
- Hinduism
 - Jainism
 - Buddhism
- Select the correct answer from the codes given below:
- 1 and 2
 - 2 and 3
 - 1 and 3
 - 1, 2 and 3
43. Consider the following statements on the implications of 'coalition politics' in the states:
- Coalition governments have weakened the position and influence of the Chief Minister in the States.
 - Coalition governments have weakened the position of the bureaucracy in the State administration.
 - Coalition governments have adversely affected political homogeneity of the Council of Ministers.
 - The era of coalition politics expanded the scope of the discretionary powers of the Governor.
- Which of the statements given above are correct?
- 1 and 3
 - 2, 3 and 4
 - 1, 3 and 4
 - 1, 2 and 4

44. Arrange the following African Capital cities from North to South:
 (1) Kigali
 (2) Addis Ababa
 (3) Nairobi
 (4) Kampala
 Choose the correct answer from the codes given below:
 (a) 2 – 4 – 3 – 1
 (b) 2 – 3 – 4 – 1
 (c) 4 – 2 – 3 – 1
 (d) 4 – 3 – 2 – 1
45. The 'house sparrow', which was once commonly found in cities and villages is now a rare sight. Which of the following is/are reasons for the above?
 (1) Advent of new housing/ construction patterns in villages
 (2) Urbanisation and supermarkets
 (3) Increasing usage of pesticides
 (4) Increasing number of mobile towers
 (a) 2 and 3 (b) 1, 3 and 4
 (c) 1, 2, 3 & 4 (d) 2, 3 and 4
46. Which of the following statements with regard to two solar events – Solar Flare and Coronal Mass Ejection-are correct?
 (1) Coronal Mass Ejection (CME) can cause serious problems for electrical systems on Earth.
 (2) Solar flares have no effect on terrestrial life.
- (3) All CMEs are accompanied by solar flares.
 (4) The Northern and Southern Lights (aurora borealis and aurora australis) are often associated with coronal mass ejections.
 (5) Both solar flares and coronal mass ejections are the result of magnetic activity on the sun.
 (a) 1, 3 and 4
 (b) 1, 4 and 5
 (c) 1, 2, 4 and 5
 (d) None of the above
47. 'Cutlass Express 'was seen in news. What is it?
 (a) It is a friendship train to be started between India and Bangladesh
 (b) It is a multinational training exercise aimed at assessing and improving maritime law enforcement capacity
 (c) It is an express highway which will connect north-east India with the India mainland
 (d) It is an awareness campaign about computer safety and security on the public transport network.
48. Which of the following Directive Principles was originally provided for in the Constitution?
 (1) Citizen's right to adequate means of livelihood
 (2) Free legal aid

- (3) Free and compulsory education to children under 14 years of age
- (4) Prohibition of the slaughter of cows
- (a) 1, 2, 3 and 4 (b) 1 and 4
(c) 1, 3 and 4 (d) 1, 2 and 4
49. With reference to 'Azad Hind', consider the following statements:
- (1) Free India (Azad Hind) was an Indian provisional government established in occupied Japan in 1943.
- (2) It was established with monetary, military and political assistance from Imperial Japan.
- (3) Rash Bihari Bose was the leader of Azad Hind Government (AHG) and also the Head of State of this Provisional Indian Government-in-exile
- (4) It was a part of the freedom movement, originating in 1940s outside India with the purpose of allying with Allied powers to free India from British rule.
- Select the **incorrect** answer using the codes given below :
- (a) 1, 2 and 3 (b) 1, 3 and 4
(c) 1 and 3 (d) 2 and 4
50. Which of the following differentiate shale from mudstone?
- (a) Shale has larger grains than mudstone
- (b) Shale has smaller grains than mudstone
- (c) Shale is layered and fissile where as mudstone is massive
- (d) There is no difference between shale and mudstone
51. Rising levels of atmospheric carbon dioxide in Oceanic waters will lead to which of the following changes?
- (a) Decreased Salinity of Oceanic water
- (b) Decreased pH of Oceanic water
- (c) Increased Salinity of Oceanic water
- (d) Increased precipitation of Calcium Carbonate in Oceanic water
52. Consider the following statements:
- (1) State Government can abolish the Legislative Council with the recommendation of the Parliament
- (2) The Parliament can establish the Legislative Council with the recommendation of the State Government
- Which of the above statements is/ are correct?
- (a) 1 only
(b) 2 only
(c) Both 1 and 2
(d) Neither 1 nor 2

53. Hydrogen is being projected as the fuel for future. Which of the following processes are used to produce Hydrogen?
- (1) Steam Methane Reformation.
 - (2) Gasification of Coal.
 - (3) Gasification of biomass.
 - (4) Electrolytic process – using electricity to produce hydrogen.
 - (5) Photolytic process – using sunlight to produce hydrogen.
- (a) 2, 3, 4 and 5
 (b) 1, 3, 4 and 5
 (c) 3, 4 and 5
 (d) None of the above
54. The Wakhan Corridor was in news recently. Where is it located?
- (a) Mongolia
 - (b) Tajikistan
 - (c) Pakistan
 - (d) Afghanistan
55. Consider the following statements regarding the Karachi Session of 1931:
- (1) The Congress adopted a resolution on Fundamental Rights and Economic Policy
 - (2) Nehru drafted the resolution on Fundamental Rights.
 - (3) Gandhi did not attend the Session
 - (4) The Karachi Session was presided over by Sardar Vallabh Bhai Patel
56. Water is an essential element to sustain life. Which among the following holds the largest reservoir of water on Earth?
- (a) Polar ice caps
 - (b) Ocean bodies
 - (c) Ground water
 - (d) Water vapour in the atmosphere
57. Which of the following is/are major factors for producing regions within the Biosphere?
- (1) Humans
 - (2) Concentration of soil organisms
 - (3) Temperature regime
 - (4) Moisture availability
- Choose the correct answer from the codes given below:
- (a) 1 and 2 (b) 1, 2 and 3
 (c) 1, 3 and 4 (d) 2, 3 and 4
58. Which of the following is/are correct statements?
- (1) The Advocate General holds office during the pleasure of the Governor
 - (2) Governor appoints and removes the chairman and members of the State Public Service Commission.

- (3) The State Election Commissioner can be removed only in like manner and on like grounds as a judge of the Supreme Court
- (a) 2 only (b) 3 only
(c) 1 only (d) 1, 2 and 3
59. The correct sequence of arrangement of different deficits in descending order of their magnitude is
- (a) Fiscal Deficit, Revenue Deficit, Budgetary Deficit, Primary Deficit
(b) Fiscal Deficit, Revenue Deficit, Primary Deficit, Budgetary Deficit
(c) Revenue Deficit, Budgetary Deficit, Fiscal Deficit, Primary Deficit
(d) Revenue Deficit, Fiscal Deficit, Budgetary Deficit, Primary Deficit
60. Consider the following statements:
- (1) Brihadisvara Temple, also known as the Big Temple, was built by the Pallava kings in Thanjavur .
(2) It has Dravidian style of Architecture, and the architecture style was influenced by the Cholas.
(3) The temple is dedicated to Shiva
(4) The temple is a part of the UNESCO World Heritage Site
- Select the correct answer using the codes given below :
- (a) 3 and 4
(b) 1, 2 and 3
(c) 1 and 4
(d) 3 only
61. An aquifer is an important source of ground water. Which of the following rock would most likely form an aquifer?
- (a) Shale
(b) Granite
(c) Sandstone
(d) Siltstone
62. What do you understand by the term 'Dark Fermentation':
- (a) Is a method to reduce CO₂ in the atmosphere.
(b) Is a method to produce Hydrogen as fuel from waste water.
(c) Is a method to dispose nuclear wastes.
(d) Is a method to produce methane from organic waste.
63. Carbon is an important element in Earth's Ecosystem. Which of the following holds maximum share of total global carbon?
- (a) Forests
(b) Grasslands
(c) Agro Ecosystems
(d) Oceans

64. Sri Krishnadevaraya was the most famous king of Vijayanagara Empire. Consider the following statements regarding Sri Krishnadevaraya:
- (1) He is the first ruler and the founder of the Tuluva Dynasty.
- (2) Portuguese travelers Domingos Paes and Nuniz visited during his time
- (3) His political ideas are contained in the telugu book Amuktamalyada. He also wrote the telugu drama Jambavati Kalyanam
- (4) He also earned the titles Kannada Rajya Rama Ramana, Moorurayaraganda and Andhra Bhoja
- (5) The rule of Krishnadevaraya was an age of good literature in many languages. But it is known as the golden age of kannada literature
- Select the **incorrect** answer using the codes given below :
- (a) 3 and 5
(b) 1, 3 and 5
(c) 1, 2 and 5
(d) 2 and 4
65. Match List – I with List - II and select the correct answer using the codes given below the lists:
- | | |
|-----------------|---------------|
| List – I | List – II |
| (Rivers) | (Tributaries) |
| (A) Cauvery | (1) Arkavati |
| (B) Brahmaputra | (2) Subansiri |
- (C) Krishna (3) Malaprabha River
(D) Yamuna (4) Tons
- | | | | | |
|-----|---|---|---|---|
| | A | B | C | D |
| (a) | 3 | 4 | 1 | 2 |
| (b) | 1 | 2 | 4 | 3 |
| (c) | 1 | 2 | 3 | 4 |
| (d) | 4 | 3 | 2 | 1 |
66. Which of the following statements about 'Ishwar Chandra VidyaSagar' is/are correct?
- (1) Ishwar Chandra Vidyasagar strongly protested against polygamy, child-marriage and favoured widow remarriage and women's education in India.
- (2) Barnaparichay was written by Ishwar Chandra VidyaSagar.
- Select the correct answer using the code given below:
- (a) 1 only
(b) 2 only
(c) Both 1 and 2
(d) Neither 1 nor 2
67. The President may from time to time fix the number of Election Commissioners of the Election Commission on the basis of:
- (a) Advice by the Chief Election Commissioner
(b) Advice by the Prime Minister's Office
(c) Recommendation of the Union Law Ministry
(d) The law made in that respect by the Parliament

68. Match List - I with List - II and select the correct answer using the codes given below the lists:
- List-I
- (A) MG Ranade
(B) Jyotiba Phule
(C) Pandita Ramabai
(D) D K Karve
- List-II
- (1) Girls School at Poona
(2) The Indian National and Social Conference
(3) Arya Mahila Samaj
(4) Widows Home at Poona
- | | A | B | C | D |
|-----|---|---|---|---|
| (a) | 2 | 3 | 1 | 4 |
| (b) | 2 | 1 | 3 | 4 |
| (c) | 4 | 2 | 3 | 1 |
| (d) | 3 | 1 | 4 | 2 |
69. Biological Oxygen Demand (BOD) is an important phenomenon to understand quality of Aquatic Ecosystem. Which of the following is/are correct with regard to BOD?
- (1) Large Biomass accumulation & decomposition can decrease Biological Oxygen Demand (BOD)
(2) Biological Oxygen Demand (BOD) and quality of water are directly related
- (a) 1 only
(b) 2 only
(c) Both 1 and 2
(d) Neither 1 nor 2
70. Consider the following statements about Usha Mehta :
- (1) Usha Mehta was a Gandhian and freedom fighter of India
(2) Usha Mehta participated in a protest march against the Simon Commission
(3) The Government of India awarded her with the Bharat Ratna
(4) Usha Mehta helped set up an underground radio station during Quit India Movement.
- Select the correct answer using the codes given below :
- (a) 1 and 2
(b) 2, 3 and 4
(c) 1 only
(d) 1, 2, 3 and 4
71. Compared to an inland location, a location on an Ocean shore at the same elevation and latitude is likely to have
- (a) Cooler winters and cooler summers
(b) Cooler winters and warmer summers
(c) Warmer winters and cooler summers
(d) Warmer winters and warmer summers

72. 'Caspian Sea' was in news recently. With reference to the 'Caspian Sea', consider the following:
- (1) The Caspian Sea or Mazandaran Sea is a landlocked sea between Asia and Europe
 - (2) The Volga River and the Ural River discharge into the Caspian Sea, but it is endorheic
 - (3) Russia, Iran, Azerbaijan, Kazakhstan and Turkmenistan - all border the Caspian Sea
 - (4) It is the world's largest inland water body.
- Which of the above statements is/ are correct?
- (a) 1, 2 and 3
 - (b) 1 and 3
 - (c) 2 and 4
 - (d) 1, 2, 3 and 4
73. Which of the following powers and responsibilities were to be delegated to Panchayats at the appropriate level under the Seventy Third Constitutional Amendment Act?
- (1) Preparation of plans for economic development and social justice
 - (2) To levy, collect and appropriate taxes, duties, tolls and fees in relation to subjects given in the eleventh schedule
- (3) To hold panchayat elections regularly every 5 years
- (a) 1 and 2
 - (b) 1 and 3
 - (c) 2 and 3
 - (d) 1, 2 and 3
74. The Pashupati seal (Mohenjo-Daro) shows a man with three faces, wearing bangles and a horned head-dress with plumes, seated on a throne in a very difficult yogic position called mulabandhasana. The yogi is surrounded by four wild animals. What are those four animals?
- (1) A rhino
 - (2) A buffalo
 - (3) An elephant
 - (4) Lion
 - (5) A tiger
- Select the correct answer using the codes given below :
- (a) 1, 2, 3 and 4
 - (b) 1, 2, 3 and 5
 - (c) 2, 3, 4 and 5
 - (d) 1, 3, 4 and 5
75. A change from greenhouse to icehouse conditions on Earth may require up to 10 million years and is probably caused by which of the following?
- (a) Accumulation of carbon dioxide from volcanic eruptions
 - (b) Drifting of the Antarctic Plate away from the South Pole
 - (c) Formation of dust clouds due to meteorite impacts

- (d) Removal of carbon dioxide from the atmosphere
76. Which of the following are correctly matched?
Mughal Departments Work
- (1) Diwan-i-Ala - looked after the revenue and expenditure of the state
- (2) Sadr-us-sadr - looked after religious affairs of the state
- (3) Mir Bakshi - Minister in charge of military establishment
- Select the correct answer from the codes given below :
- (a) 1 only
(b) 1 and 3
(c) 2 only
(d) 1 2 and 3
77. Total internal reflection refers to the complete reflection of a ray of light within a given medium from the surrounding surface. What are some applications of total internal reflection?
- (1) Optical fibers
(2) The brilliance of a diamond
(3) The phenomenon of mirage
(4) Prism
- Select the correct answers using the codes given below :
- (a) 1, 2 and 3
(b) 3 and 4
- (c) 1, 2 and 4
(d) 1, 2, 3 and 4
78. Consider the following pairs?
- | | |
|------------------------|--------------------|
| King | Fort |
| (1) Alauddin Khilji | - Siri fort |
| (2) Prithviraj Chauhan | - Purana Qila |
| (3) Sher Shah Suri | - Qila Rai Pithora |
- Which of the pairs given above is/are correct matched?
- (a) 1, 2 and 3 (b) 2 and 3
(c) 3 Only (d) 1 only
79. The irregularity in the amount of rainfall in different parts of north Indian plains is mainly due to:
- (a) Irregular intensity of low pressure in the north-western parts of India
(b) Variation in the location of the axis of low pressure trough
(c) Difference in frequency of cyclones
(d) Variation in the amount of moisture carried by winds every year.
80. Why was the formation of the ozone layer important to the evolution of life on Earth?
- (a) Ozone filters visible light.
(b) Ozone filters ultraviolet radiation.
(c) Ozone allows the build-up of ultraviolet radiation.
(d) Ozone allows the build-up of long-wave radiation.

81. Consider the following statements:
- (1) The International Seabed Authority (ISA) is a UN body established at Geneva Switzerland, under the 1982 United Nations Convention on the Law of the Sea.
 - (2) ISA was set up to regulate the exploration and exploitation of marine non-living resources of oceans in international waters.
 - (3) India's exclusive rights to explore poly metallic nodules from seabed in Central Indian Ocean Basin (CIOB) have been extended by ten years
- Select the correct answer using the codes given below:
- (a) 2 and 3 (b) 2 only
(c) 1 only (d) 1, 2 and 3
82. Consider the following:
- (1) Nitrogenous fertilizers
 - (2) Phosphatic fertilizers
 - (3) Potassic fertilizers
- Which of the following is the correct decreasing order of consumption of the three main fertilizers in India?
- (a) 1 - 2 - 3
 - (b) 1 - 3 - 2
 - (c) 2 - 1 - 3
 - (d) 2 - 3 - 1
83. With reference to the ancient city 'Rajgir'. Consider the following statements :
- (1) Rajgir was the first capital of the kingdom of Magadha, a state that would eventually evolve into the Mauryan Empire.
 - (2) Rajgir has been closely related to Hinduism, Buddhism and Jainism but has never played host to Lord Buddha and Mahavira.
- 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
84. The excessive use of pesticides can result in accumulation and magnification in living organisms. In light of the above, which of the following statements is true?
- (a) Accumulation only occurs at the lowest level of the food chain
 - (b) Accumulation only occurs in animals
 - (c) Magnification only occurs at higher levels of a food chain
 - (d) Magnification only occurs in plants
85. If RBI cuts down the Cash Reserve Ratio, what impact will it have on the economy?

<p>(1) Banks will have higher leverage to liquidity</p> <p>(2) Economy may see increased investment</p> <p>(3) Supply of currency in the economy may broaden.</p> <p>(a) Only 1</p> <p>(b) 2 and 3</p> <p>(c) 1, 2 and 3</p> <p>(d) None of these</p>	<p>(c) 1, 3, 4 and 5</p> <p>(d) 1, 2, 3, 4 and 5</p>																									
<p>86. Consider the following statements:</p> <p>(1) The Kuka Movement marked the first major reaction of the people in the Punjab to the new political order initiated by the British after 1849</p> <p>(2) They were rigid in their clothing and wore only hand-spun white attire</p> <p>(3) It initially started as a religious movement with a view to reforming the Sikh religion</p> <p>(4) It was finally suppressed in 1872 by the British by executing several Kukas and transporting their leader Ram Singh for life.</p> <p>(5) The Kuka Revolt also came to be known as Namdhari Movement</p>	<p>87. Decrease in remittances will have an impact on</p> <p>(1) GDP of India</p> <p>(2) GNP of India</p> <p>(3) National Income of India</p> <p>Choose the correct answer from the codes given below:</p> <p>(a) 1, 2 and 3</p> <p>(b) 2 and 3</p> <p>(c) 3 only</p> <p>(d) 1 and 3</p> <p>88. Match List I with List II and select the correct answer by using the codes given below the lists:</p> <p>List I (Buildings)</p> <p>(A) Victoria Memorial Hall, Calcutta</p> <p>(B) Central Secretariat, New Delhi</p> <p>(C) Gateway of India, Mumbai</p> <p>(D) Madras University Senate House, Chennai</p> <p>List II (Architects)</p> <p>(1) Herbert Baker</p> <p>(2) W Emerson</p> <p>(3) R F Chisholm</p> <p>(4) George Clarke</p>																									
<p>Which of the above statements about the Kuka Movement are true?</p> <p>(a) 1, 2 and 4</p> <p>(b) 2, 3 and 4</p>	<table border="0"> <thead> <tr> <th></th> <th>A</th> <th>B</th> <th>C</th> <th>D</th> </tr> </thead> <tbody> <tr> <td>(a)</td> <td>1</td> <td>3</td> <td>4</td> <td>2</td> </tr> <tr> <td>(b)</td> <td>3</td> <td>1</td> <td>2</td> <td>4</td> </tr> <tr> <td>(c)</td> <td>2</td> <td>1</td> <td>4</td> <td>3</td> </tr> <tr> <td>(d)</td> <td>2</td> <td>1</td> <td>3</td> <td>4</td> </tr> </tbody> </table>		A	B	C	D	(a)	1	3	4	2	(b)	3	1	2	4	(c)	2	1	4	3	(d)	2	1	3	4
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(b)	3	1	2	4																						
(c)	2	1	4	3																						
(d)	2	1	3	4																						

89. Which one of the following trenches is **not correctly** matched?
- Kermadec — South Pacific Ocean
 - Kuril — North Pacific Ocean
 - Puerto Rico—South Atlantic Ocean
 - Sunda—North Indian Ocean
90. An expansionary monetary policy:
- tends to lead to an appreciation of a nation's currency.
 - usually has no effect on a currency's exchange value.
 - tends to lead to a depreciation of the currencies of other nations.
 - tends to lead to a depreciation of a nation's currency.
91. Consider the following:
- Rotterdam Convention is a multilateral treaty on hazardous chemicals and pesticides
 - Basel Convention is an international treaty related to transboundary movement of hazardous waste.
 - Stockholm Convention is an international environmental treaty related to persistent organic pollutants
92. Consider the following Statements:
- Core Inflation is essentially demand driven.
 - Core Inflation includes items that face volatile price movement.
- Which of the above statements is/ are correct?
- 1 only
 - 2 only
 - Both 1 and 2
 - Neither 1 nor 2
93. Consider the following statements regarding The Age of Consent Act which was passed in 1891:
- Bill had raised the age limit for marriage of girls from 12 to 14 years.
 - Bal Gangadhar Tilak supported the Age of Consent Bill
 - Rukhmabai Raut went on to become India's first qualified physician and was a major cause behind the enactment of the Age of Consent Act in 1891.

- Select the correct answer from the codes given below:
- (a) 1, 2 and 3
(b) 2 only
(c) 3 only
(d) 1 and 3
94. Consider the following:
- (1) To generate animal feed
(2) It is based on photosynthetic reactions
(3) To produce sustainable bio-fuels
- Which of the above statements is/are correct with regard to Algae-Bio-reactors?
- (a) 1, 2 and 3
(b) 1 and 2
(c) 1 and 3
(d) 2 and 3
95. Which one of the following events immediately followed the Revolt of the Sepoys in 1857?
- (a) Santhal Insurrection
(b) Introduction of the Postal System
(c) Peasant agitation against the indigo planters in Bengal
(d) Agitation against reduction of age limits for entry into Civil Service
96. Match List - I (Centre) with List - II (Industry) and select the correct answer from the codes given below the lists:
- | | |
|-------------------|------------------|
| List - I | List - II |
| (A) Kanpur | (1) Rolled Gold |
| (B) Ludhiana | (2) Tanneries |
| (C) Machilipatnam | (3) Hosiery |
| (D) Jalandhar | (4) Sports goods |
- | | | | | |
|-----|---|---|---|---|
| | A | B | C | D |
| (a) | 2 | 3 | 1 | 4 |
| (b) | 3 | 2 | 4 | 1 |
| (c) | 4 | 1 | 3 | 2 |
| (d) | 4 | 3 | 1 | 2 |
97. Human Development Index currently prepared by UNDP is based on some of the following variables:
- (1) Life expectancy at birth
(2) Health facilities
(3) Per capita income adjusted by purchasing power
(4) Literacy and enrolment percentage
- Choose the correct answer from the codes given below:
- (a) 1, 2 and 3
(b) 2, 3 and 4
(c) 1 and 3
(d) 1, 3 and 4

98. The hypothesis of 'vicious circle of poverty' points to inter-relation between:
- productivity and income
 - income and population
 - inflation and high consumption
 - surplus labour and disguised unemployment
99. Which one of the following is NOT correctly matched?
- Revenue Expenditure : Revenue receipts + Revenue deficit
 - Primary deficit : Revenue deficit - interest payments
 - Total receipts : Revenue receipts + capital receipts
 - Revenue receipts : Tax receipts + non-tax revenue
100. In the Lower Himalayan Mountains, several species of salamander, an amphibian, live in or near a stream. The largest species lives in the stream and along its edges, a smaller species lives on land within a meter or two of the stream, and a smaller species lives about 3-5 meters away from the stream. In this region, these three salamander species are using:
- Different niches within the same habitat
 - The same niche and microhabitat.
 - The same landscape but different ecosystems.
 - The same habitat but different niches.