

RESIDENTIAL COACHING ACADEMY
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MUSLIM UNIVERSITY, ALIGARH

Residential Coaching Academy

Aligarh Muslim University, Aligarh

PARTICULARS TO BE FILLED IN BY THE CANDIDATE		English
Roll Number		2016 – 2017 ADMISSION TEST CSE
Name of the Candidate		
Name of the Centre		
Date of the Test		
Signature of the Candidate		

Time (Test Duration): 02 hours

Max. Marks: 200

INSTRUCTIONS

- Complete all entries on the cover page and put your signature in the space provided.
- Use only Ball Point Pen (black/blue) for making entries in the Question Booklet and the OMR Answer Sheet.
- Candidate should also read carefully the instructions printed on the OMR Sheet before attempting to answer the questions.

1. The Question Booklet consists of 16 pages (including cover sheet) and contains 100 questions. Count the number of pages and questions before attempting the questions. Discrepancy, if any, must immediately be brought to the notice of the Invigilator.
2. All questions are compulsory and carry equal marks.
3. The time (test duration) as specified above shall be reckoned from the moment of distribution of the Question Booklets.
4. Blank space in the Question Booklet may be used for rough work.
5. Each question is followed by four alternative answers. Select only one answer, which you consider as the most appropriate. Shade the relevant circle against the corresponding question number on the OMR Answer Sheet.
6. Answer should **ONLY** be marked on the OMR Answer Sheet. No answer should be written on the Question Booklet.
7. **The candidate (he/she) shall hand over the OMR Answer Sheet to the Invigilator before leaving his/her seat.**
8. **ONE FOURTH (1/4) MARKS will be DEDUCTED FOR WR . . . ANSWERS.**
9. **MOBILE PHONES and CALCULATORS are NOT ALLOWED inside the examination hall.**

1. How many times do the hands of a clock coincide in a day?
 - a. 20
 - b. 21
 - c. 22
 - d. 24

2. 55 litres of a mixture has milk and water in the ratio 7 : 4. How much water must be added to get milk and water in the ratio 7 : 6 in the resulting mixture.
 - a. 16 litres
 - b. 15 litres
 - c. 12 litres
 - d. 10 litres

3. What will be the unit digit in the product 7^{105} ?
 - a. 5
 - b. 7
 - c. 9
 - d. 1

4. The traffic lights at three different road crossings change after 24 seconds, 36 seconds and 54 seconds respectively. If they all change simultaneously at 10 : 15 : 00 AM, then at what time will they again change simultaneously?
 - a. 10 : 16 : 54 AM
 - b. 10 : 18 : 36 AM
 - c. 10 : 17 : 02 AM
 - d. 10 : 22 : 12 AM

5. A milkman has 75 litres of milk in one can and 45 litres in another. The maximum capacity of container which can measure milk of both cans separately, exact number of times is:
 - a. 1 litre
 - b. 5 litres
 - c. 15 litres
 - d. 25 litres

6. A batsman in his 12th innings makes a score of 63 runs and there by increases his average scores by 2. What is his average after the 12th innings?
 - a. 13
 - b. 39
 - c. 49
 - d. 87

7. The annual incomes of A and B are in the ratio 4 : 3 and the ratio of their expenditures is 3 : 2. If each of them saves Rs. 600 in the year, the annual income of A is
 - a. Rs. 4800
 - b. Rs. 1800
 - c. Rs. 1200
 - d. Rs. 2400

8. A man sells an article at 10% loss. If he had sold it at Rs. 10 more, he would have gained 10%. The cost price of the article is
 - a. Rs. 50
 - b. Rs. 55
 - c. Rs. 100
 - d. Rs. 110

9. Successive discounts of 10%, 20% and 30% is equivalent to a single discount of
 - a. 60%
 - b. 49.6%
 - c. 40.5%
 - d. 36%

10. What price should a shopkeeper mark on an article costing him Rs. 200 to gain 35% after allowing a discount of 25%?
 - a. Rs. 270
 - b. Rs. 300
 - c. Rs. 330
 - d. Rs. 360

11. The difference between simple and compound interest (compounded annually) on a sum of money for 2 years at 10% per annum is Rs 65. The sum is
 - a. Rs 65650
 - b. Rs 65065
 - c. Rs 6565
 - d. Rs 6500

12. A alone can complete a work in 18 days and B alone in 15 days. B alone worked at it for 10 days and then left the work. In how many more days, will A alone complete the remaining work?

- a. 5
b. $5\frac{1}{2}$
c. 6
d. 8
13. A is thrice as good as workman as B and therefore is able to finish a job in 40 days less than B. Working together, they can do it in
a. 14 days
b. 13 days
c. 20 days
d. 15 days
14. Walking at $\frac{6}{7}$ th of his usual speed a man is 25 minutes too late. His usual time to cover this distance is
a. 2 hours 30 minutes
b. 2 hours 15 minutes
c. 2 hours 25 minutes
d. 2 hours 10 minutes
15. Two men start together from the same place in the same direction to go round a circular path. If one takes 10 minutes and the other takes 15 minutes to make one complete round, they will meet after
a. 30 minutes
b. 33 minutes
c. 40 minutes
d. 45 minutes
16. In a race of 1000 m, A can beat B by 100 m. In a race of 400 m, B beats C by 40 m. In a race of 500 m, A will beat C by
a. 95 m
b. 50 m
c. 45 m
d. 60 m
17. If a length of a rectangle is increased by 25% and the width is decreased by 20%, then the area of the rectangle:
a. Increases by 5%
b. Decreases by 5%
c. Remains unchanged
d. Increases by 10%
18. Two vessels A and B contain milk and water in the ratios 7 : 5 and 17 : 7 respectively. In what ratio mixture from two vessels should be mixed to get a new mixture containing milk and water in the ratio 5 : 3?
a. 1 : 3
b. 2 : 3
c. 2 : 1
d. 3 : 2
19. At what time between 9 and 10 o'clock will the hands of a watch be together?
a. 45 min. past 9
b. 50 min. past 9
c. $49\frac{1}{11}$ min. past 9
d. $48\frac{2}{11}$ min. past 9
20. The calendar for the year 2007 will be the same for the year.
a. 2014
b. 2016
c. 2017
d. 2018
21. The last day of a century cannot be
a. Monday
b. Wednesday
c. Tuesday
d. Friday
22. 4, 23, 60, 121, (.....)
a. 212
b. 221
c. 241
d. 242
23. Which of the following words would correctly decode the word ZHOFRPH if the simple alphabet shifting code is used?
a. ARTISTS
b. COMPUTE
c. MAILING
d. WELCOME
24. Pointing to gentleman, Deepak said, "His only brother is the father of my daughter's father." How is the gentleman related to Deepak?
a. Grandfather
b. Father
c. Brother-in-Law
d. Uncle

25. Gaurav walks 20 metres towards North. He then turns left and walks 40 metres. He again turns left and walks 20 metres. Further, he moves 20 metres after turning to the right. How far is he from his original position?

- a. 20 metres
- b. 30 metres
- c. 50 metres
- d. 60 metres

26. Consider the following about White Dwarfs.

- 1. They are the lightest forms of matter.
- 2. They can give an idea about the age of the Universe.
- 3. White dwarfs are the end product of black holes.

Select the correct answer using the codes below.

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

27. In a water vessel, total pressure exerted at the bottom of a container depends on

- 1. Height at which the container is placed above Mean Sea Level (MSL)
- 2. Height of water column
- 3. Width of water column

Select the correct answer using the codes below.

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

28. The hydraulic brake is an arrangement of braking mechanism, which uses brake fluid to transfer

- 1. Pressure from the controlling mechanism to the braking mechanism
- 2. Momentum from the angular belts to the wheelbase

Select the correct answer using the codes below.

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

29. You are leading a team, which is heading to forests in the night to look for survivors using a searchlight. You have the following options for choosing the mirror to be used in the searchlight:

- 1. Convex mirror
- 2. Plane mirror
- 3. Cylindrical mirror
- 4. Parabolic concave mirrors

Which of the above will you choose and why?

- a) Convex mirror as it could generate parallel beams of light
- b) Plane mirror as it can act as a good reflector
- c) Parabolic concave mirrors as it could generate powerful parallel beams of light
- d) Cylindrical mirrors as light could be focussed on one point

30. Which of the following force(s) is/are both attractive and repulsive?

- 1. Gravitation Force
- 2. Electromagnetic force
- 3. Strong interaction force

Select the correct answer using the codes below.

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

31. Some substances can act as an antiseptic as well as disinfectant by

- 1. Varying its concentration
- 2. Using it on inanimate surfaces instead of animate biological surfaces

Which of the above is/are correct?

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

32. Which of the following is/are artificial sweeteners?

1. Alitame
2. Sucrolose
3. Saccharin
4. Lactamase

Select the correct answer using the codes below.

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

33. Which of the following can be the problem(s) associated with the use or consumption of hard water?

1. It is a significant health hazard and can worsen the condition of most diseases in humans.
2. Dye does not absorb evenly on cloth washed with soap using hard water.
3. It can lead to the inefficient operation or failure of water-using appliances.

Select the correct answer using the codes below.

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

34. Stem cell has emerged as a new field of life science in view of its potential clinical applications. A stem cell possesses which of the following properties?

1. The ability to go through numerous cycles of cell division while maintaining the undifferentiated state.
2. The capacity to differentiate into specialized cell types.

Which of the above is/are correct?

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

35. Consider the following statements.

Assertion (A): The storage life of a fresh fruit is influenced by its respiratory activity.

Reason(R): Metabolic activity in fresh fruits continues for a short period even after harvest.

In the context of the above, which of these is correct?

- a) A is correct, and R is an appropriate explanation of A.
- b) A is correct, but R cannot be an appropriate explanation of A.
- c) A is incorrect, but R is correct.
- d) Both A and R are incorrect.

36. Consider the following about 'Acquired immunity' in human beings?

1. It is pathogen specific.
2. It is based on memory of disease attack and response.
3. It is present at the time of birth.

Select the correct answer using the codes below.

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

37. Indiscriminate use of antibiotics causes antibiotic resistance. This can happen due to

1. Natural selection in bacteria in reaction to antibiotics
2. Colonization resistance mechanism
3. Attack of clonal bacteria on the host immune system
4. By genetic mutation in the bacteria

Select the correct answer using the codes below.

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

38. Consider the following statements about Cyanobacteria.

1. They are found only in aquatic environments.
2. They can serve as a biofertiliser in paddy fields.

3. They add organic matter to the soil and increase its fertility.

Select the correct answer using the codes below.

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

39. Rh grouping in human blood is NOT relevant to which of the following?

- a) Safety of foetus
- b) Coagulation of blood
- c) Blood donation
- d) It is relevant to all of the above.

40. Plant tissue culture or Micropropagation is

- 1. Used to produce clones of a plant
- 2. Performed in the wild
- 3. Used to conserve rare or endangered plant species

Select the correct answer using the codes below.

- a) 1 only
- b) 2 and 3 only
- c) 1 and 3 only
- d) All of the above

41. Recent developments are pointing to a new-generation data transfer technology Li-Fi. Consider the following about it.

- 1. It uses LED light to transmit data.
- 2. It is slower but more secure than conventional data transfer mechanisms.
- 3. It can replace telecom towers to supply internet connectivity to large metropolitan areas.

Select the correct answer using the codes below.

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

42. DRDO has decided to conduct captive flight trials of an advanced Anti-Radiation

Missile (ARM). What will ARM be used for?

- 1. Targeting enemy's air defence capabilities by attacking radars and communication facilities
- 2. Attacking underwater submarines that are clandestinely attached with warships

Which of the above is/are correct?

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

43. Which of the following can be the applications of nano-technology in agriculture?

- 1. Delivering fertilizers, pesticides and plant growth hormones directly to plants.
- 2. Monitoring of soil conditions, pathogens and crop growth

Which of the above is/are correct?

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

44. Consider the following statements about In-vitro fertilization.

- 1. It leads to irreversible genetic changes in the embryo.
- 2. It is illegal in India.

Which of the above is/are correct?

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

45. Consider the following about the Red panda.

- 1. It is native to the eastern Himalayas and south-western China.
- 2. It has been classified as endangered by the IUCN.
- 3. It is highly active during the day.

Select the correct answer using the codes below.

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

46. Consider the following statements.

1. Its population is largely found in the North-eastern India.
2. It is listed as Endangered in the IUCN Red List.
3. It is associated with wet grasslands, swamps and densely vegetated river valleys.
4. It feeds on some food crops causing considerable damage to them.

The above refer to?

- a) White-bellied heron
- b) Namdapha flying squirrel
- c) Elvira rat
- d) Wild Water Buffalo

47. Consider the following statements.

Assertion (A): The Himalayan ranges show a succession of vegetation from the tropical to the tundra.

Reason (R): In mountainous areas, the decrease in temperature with increasing altitude leads to a corresponding change in natural vegetation.

In the context of the above, which of these is correct?

- a) A is correct, and R may partly explain A.
- b) A is correct, but R cannot be a reason behind A.
- c) A is incorrect, but R is correct.
- d) Both A and R are incorrect.

48. Ganges shark is critically endangered because

1. They need to migrate to salt water to reproduce offsprings.
2. They are misinterpreted as large catfish and killed as they damage local ecosystem.

Which of the above is/are correct?

- a) 1 only
- b) 2 only
- c) Both 1 and 2

d) None

49. Consider the following statements.

1. Its topography supports scrub-thorn arid forests, rocky landscapes, dry deciduous forests, rocks, grasses and hilly cliffs.
2. Some of the rarest feathered species like grey partridge; white-throated kingfisher and Indian peafowl are found here.
3. It is the location of several sites of historical importance like the 16th-century Kankwadi fort.

The above refer to?

- a) Sariska Tiger Reserve
- b) Simlipal National Park
- c) Jim Corbett National Park
- d) Ranthambore National Park

50. Stockholm Convention on Persistent Organic Pollutants (POPs) aims to eliminate or restrict the production and use of POPs. Which of the following is/are POPs listed under the convention?

1. Heptachlor
2. DDT
3. Endosulfan
4. Mercury
5. Lead

Select the correct answer using the codes below.

- a) 1, 4 and 5 only
- b) 2, 3, 4 and 5 only
- c) 2 and 3 only
- d) 1, 2 and 3 only

51. World Network of Biosphere Reserves includes which of the following protected areas of India?

1. Gulf of Mannar
2. Sundarban
3. Namdapha
4. Kanchenjunga
5. Agasthyamala

Select the correct answer using the codes below.

- a) 1, 2 and 5 only
- b) 2, 3 and 4 only
- c) 1, 3 and 5 only
- d) 1, 2, 3, 4 and 5

52. Consider the following about the oxygen cycle on earth.

1. More oxygen is freely available in the atmosphere than stored in earth.
2. The greatest annual gain of oxygen on earth is through the processes of photosynthesis.
3. Anthropogenic combustion of fossil fuel causes the biggest loss or decay of oxygen in the atmosphere.

Which of the above is/are correct?

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

53. Consider the following about earth's biodiversity based on the presently available species inventories.

1. Majority of all the recorded species are plants.
2. Number of fungi species in the world is more than the combined total of the species of fishes, amphibians, reptiles and mammals.
3. Among animals, insects are the most species-rich taxonomic group.

Select the correct answer using the codes below.

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

54. There are no tiger reserves in which state(s)?

1. Gujarat
2. Maharashtra
3. Andhra Pradesh
4. Himachal Pradesh

Select the correct answer using the codes below.

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

55. Consider the following about the World Economic Forum (WEP).

1. It is an intergovernmental organization committed to improving economic policy making.
2. All its meetings are conducted in Geneva.
3. It publishes the annual report "Global Economic Prospects".
4. The Global Health Initiative was launched at one of its meetings.

Select the correct answer using the codes below.

- a) 1 only
- b) 4 only
- c) 1, 2 and 3 only
- d) None of the above

56. To implement Basel III norms, Indian banks will have to

1. Relinquish government control completely
2. Float all their capital in money markets
3. Allow a minimum foreign holding in every bank

Select the correct answer using the codes below.

- a) 1 and 2 only
- b) 2 and 3 only
- c) 3 only
- d) None of the above

57. Maintaining a Cash Reserve Ratio (CRR) is NOT mandatory for which of the following banks in India?

1. Banks with capital base above or below a certain limit as prescribed by RBI
2. Banks that lend majority of their capital to farmer cooperatives or vulnerable sections
3. Banks that have sponsored a rural bank to promote financial inclusion and development

Select the correct answer using the codes below.

- a) 1 and 2 only
- b) 2 and 3 only
- c) 1 only
- d) None of the above

58. Consider the following statements:

1. Indian economy nearly stagnated under colonial rule.
2. Foreign investment was discouraged in the early decades post-independence.
3. Central economic planning in India started only after independence.

Which of the above is/are correct?

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

59. Consider the following statements about the source of capital for the states in India.

1. Finance commission does not generally determine capital related issues of the state and is confined to revenue matters and grants-in-aid only.
2. The FRBM Act has restricted the freedom of the states to borrow for fulfilling their plan expenditure.

Which of the above is/are true?

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

60. Consider the following about the trends of National Income in India.

1. India's GDP growth rate has always increased post-2004.
2. India's GDP has never shrunk since 1991 reforms.

Which of the above is/are correct?

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

61. Consider the following statements.

Assertion (A): India is the largest exporter in commercial services.

Reason (R): Services sector contributes to more than 50% of India's GDP.

In the context of the above, which of these is correct?

- a) A is correct, and R is an appropriate explanation of A.
- b) A is correct, but R is not an appropriate explanation of A.
- c) A is correct, but R is incorrect.
- d) A is incorrect, but R is correct.

62. Non-Banking financial companies (NBFCs) differ from banks in

1. A NBFC cannot run a savings account for an individual, unlike banks.
2. It cannot issue cheques to its customers, unlike banks.
3. No NBFC needs to get registered with RBI, unlike banks.

Select the correct answer using the codes below.

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

63. Which of the following was/were the recommendations of the Simon Commission setup in 1927?

1. India's constitution would be a federal constitution.
2. Elections to the legislative assemblies will be based on Universal adult franchise.
3. The government of India should have complete control over the high court.
4. Separate electorates should be abolished.
5. The provincial governments should devolve financial powers to the local bodies.

Select the correct answer using the codes below.

- a) 1, 2 and 4 only
- b) 2, 4 and 5 only

- c) 1 and 3 only
- d) 1, 2, 3, 4 and 5

64. Consider the following statements about the Chola administration.

Assertion (A): Villages were not considered autonomous units during the Chola administration.

Reason (R): Only those of royal lineage or background were eligible for election to village councils, which managed the village's affairs.

In the context of the above, which of these is correct?

- a) A is correct, and R is an appropriate explanation of A.
- b) A is correct, but R is not an appropriate explanation of A.
- c) A is incorrect, but R is correct.
- d) Both A and R are incorrect.

65. Consider the following about the Indian Home Rule movement.

1. It wanted to obtain the status of a Dominion for India within the British Empire.
2. It worked as a joint movement of the Indian National Congress and the All India Muslim League.
3. Gandhiji was once elected as a President of the All India Home Rule League.

Select the correct answer using the codes below.

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

66. What was/were the reasons behind Muhammad Bin Tughlaq's transfer of capital from Delhi to Daulatabad?

1. He wanted to keep Daulatabad safe from Greek invasions.
2. Delhi held a referendum, which resulted in the transfer of capital to Daulatabad.
3. Daulatabad was situated very close to the northern frontiers of his empire, which allowed better control.

Select the correct answer using the code given below:

- a) 1 and 2 only
- b) 2 and 3 only
- c) 1 and 3 only
- d) None of the above

67. Sankhya philosophy holds that

1. It is the self-knowledge that leads to liberation and not any exterior influence or agent.
2. The Universe is a material creation and will cease to exist once the cycle is completed.

Select the correct answer using the codes below.

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

68. Which of the following places are linked with Gandhiji's life or his heritage?

1. Sadaqat Ashram, Patna
2. Manorville, Simla
3. Kingsway Camp, Delhi
4. Kanigata Cottage, Maharashtra

Select the correct answer using the codes below.

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

69. The First Battle of Panipat is regarded as one of the decisive battles of Indian history. What is/are the reason(s) behind it?

1. It reinvigorated Lodi's power and reduced the influence of Babur especially in Delhi and Agra.
2. It led to the economic unification of Eastern, Southern India and South-eastern Asia.

Which of the above is/are correct?

- a) 1 only
- b) 2 only

- c) Both 1 and 2
- d) None

70. The Lucknow Pact (1916) resulted in
1. Formation of a notional body that would serve as the future constituent assembly of India
 2. Demand of Swaraj to the British government
 3. Merger of moderates and extremists factions of Indian National Congress (INC)
 4. An agreement for coordinated action against British Rule by INC and Muslim league

Select the correct answer using the codes below.

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

71. The Prime Minister is the leader of the Lower House. In this capacity, he enjoys which of the following powers?
1. He advises the President with regard to summoning and proroguing of the sessions of the Parliament.
 2. He can recommend dissolution of the Lok Sabha to President at any time.
 3. He has the authority to adjourn the lower house sine die.

Select the correct answer using the codes below.

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

72. Apart from selected MPs, Public Account Committee (PAC) members is/are
1. Finance Secretary, Union Government
 2. Eminent citizens from Industry and Trade
 3. Comptroller and Auditor General of India
 4. Governor, RBI

Select the correct answer using the codes

below.

- a) 1 and 3 only
- b) 2 and 4 only
- c) 1, 2, 3 and 4
- d) None of the above

73. Consider the following statements.
Assertion (A): The system of monarchy cannot exist in a Parliamentary democracy.

Reason (R): In a democracy representatives are elected based on popular vote.

In the context of the above, which of these is correct?

- a) A is correct, and R is an appropriate explanation of A.
- b) A is correct, but R is not an appropriate explanation of A.
- c) A is incorrect, but R is correct.
- d) Both A and R are incorrect.

74. Which of the following organization(s) is/are specialized agencies of the United Nations (UN)?

1. World Trade Organization (WTO)
2. Food and Agriculture Organization (FAO)
3. World Health Organization (WHO)
4. International Monetary Fund (IMF)

Select the correct answer using the codes below.

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

75. When a vacancy occurs in the office of the President due to his resignation, the Vice-President acts as the President until a new President is elected. Consider the following with regard to when the office of Vice-President is vacant.

Assertion (A): Speaker, Lok Sabha acts as the President of India in such a case.

Reason (R): Speaker, Lok Sabha is ranked immediately below the Vice-President and Prime Minister in the Table of Precedence.

In the context of the above, which of these is correct?

- a) A is correct, and R is an appropriate explanation of A.
- b) A is correct, but R is not an appropriate explanation of A.
- c) A is incorrect, but R is correct.
- d) Both A and R are incorrect.

76. Consider the following about Rajya Sabha.

1. It is a permanent body and not subject to dissolution.
2. The retiring members of Rajya Sabha are eligible for re-election and re-nomination any number of times.
3. The Constitution fixes the term of the members of the Rajya Sabha.
4. The President can curtail the term of a Rajya Sabha member any time based on the recommendation of the Union cabinet.

Select the correct answer using the codes below.

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

77. The Speaker of the Lok Sabha derives his powers and duties from the Constitution of India, the Rules of Procedure and Conduct of Business of Lok Sabha, and Parliamentary Conventions. Accordingly, she exercises which of the following powers?

1. She is the final interpreter of the provisions of the Constitution of India for any matter relating to the Parliament.
2. She has the final power in matters of decorum, order and business in the house.
3. She decides whether a bill is a money bill or not.
4. She appoints the chairman of all the parliamentary committees of the Lok Sabha and supervises their functioning.

Select the correct answer using the codes below.

- a) 2 and 3 only
- b) 2, 3 and 4 only

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

78. The budget goes through six stages in the Parliament. Arrange the following in the correct order of proceeding in Parliament.

1. Presentation of budget.
2. Scrutiny by departmental committees.
3. General discussion.
4. Passing of finance bill.
5. Passing of appropriation bill.
6. Voting on demands for grants.

Select the correct answer using the codes below.

- a) 1, 3, 2, 5, 6 and 4
- b) 3, 1, 2, 6, 5 and 4
- c) 3, 1, 2, 4, 5 and 6
- d) 1, 3, 2, 6, 5 and 4

79. While travelling through the land and seas in Southern Hemisphere, you would notice a milder climate than at the same latitude northwards in Northern Hemisphere. Why?

1. Southern Hemisphere is at a higher mean sea level (MSL) than Northern hemisphere.
2. Southern Hemisphere has significantly more ocean and much less land.

Which of the above is/are correct?

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

80. Viticulture or grape cultivation is a speciality of the Mediterranean region. What is in the Mediterranean climate that supports growing grapes?

1. Long growing seasons of moderate to warm temperatures
2. Very low precipitation in grape growing seasons that support grape vegetation

Which of the above is correct?

- a) 1 only
- b) 2 only
- c) Both 1 and 2

d) None

81. Tropic of Capricorn passes through which of these countries?

1. Indonesia
2. Sudan
3. Chile

Select the correct answer using the codes below.

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

82. Consider the following statements about groundwater in India.

1. Green revolution increased the demand of ground water in India.
2. The total replenishable ground water reserves are highest in the hilly acts of Sikkim, Nagaland and Meghalaya.
3. Coastal regions are usually rich in groundwater owing to the largely alluvial terrain.
4. Andhra Pradesh, Uttar Pradesh and Maharastra have the lowest replenishable ground water reserves.

Select the correct answer using the codes below.

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

83. Consider the following statements.

1. The North-West Indian Region mineral belt is associated with Dharwar system of rocks.
2. Manganese deposits cannot be found in Dharwar system of rocks.
3. Uranium deposits occur in the Dharwar rocks.

Select the correct answer using the codes below.

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

84. Consider the following statements about the Deccan plateau of Peninsular India.

1. The eastern Deccan plateau is made of vast sheets of thick limestone rocks.
2. The north-western part of the plateau is made up of lava flows.

Which of the above is/are correct?

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

85. Consider the following statements about Eastern Ghats.

1. They do not extend to the state of Odisha and Karnataka being limited to Tamil Nadu and Andhra Pradesh.
2. They are eroded and cut through by Chambal and Mahanadi among other Peninsular rivers.

Which of the above is/are correct?

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

86. Which of the following statements about cultivation of Coffee in India is NOT correct?

1. Kerala leads in production.
2. Majority of production is exported.
3. India grows only inferior varieties of coffee.

Select the correct answer using the codes below.

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

87. Which of the following is/are the major recommendations of the Lodha Committee?

1. Not Ministers but government servants should be allowed to become BCCI office-bearers.

2. Betting should be legalized and match fixing should be made criminal offence.
3. BCCI should come under the purview of the Right to Information Act, 2005.

Select the correct answer using the codes below.

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

88. In past few years, referendums on various national issues have been conducted in few countries. Which of these is/are such countries?

1. Egypt
2. Greece
3. Britain
4. Scotland

Select the correct answer using the codes below.

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

89. The Government of India has decided to introduce plastic notes on a trial basis to increase the lifetime of notes. Apart from this, it will also help in

1. Controlling counterfeiting of notes
2. Reducing the cost of printing currency notes

Which of the above is/are correct?

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

90. Which of the following was/were some of the official outcomes of the recent 2016 visit of the Indian Prime Minister to the USA?

1. USA declared India a "Strategic defence partner".
2. USA will support India in consolidating military bases in South China Sea.

Which of the above is/are correct?

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

91. Which of the following schemes specifically targets the welfare of Scheduled Castes (SCs) population?

1. Sabla Scheme
2. Pradhan Mantri Adarsh Gram Yojana (PMAGY)
3. Members of Parliament Local Area Development Scheme (MPLADS)

Select the correct answer using the codes below.

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

92. India's first island district, which has been, recently granted District status by the concerned State government is

- a) Manoharnagar, Odisha
- b) Majuli, Assam
- c) Anand, Gujarat
- d) Morbi, Tamil Nadu

93. Consider the following statements about the National Entrepreneurship Network (NEN).

1. It is an attached office of the Ministry of Entrepreneurship & Skill Development.
2. NEN facilitates various programs to raise capital from investors and bankers.

Which of the above is/are correct?

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

94. The Union Cabinet has recently approved for signing MoU between India and Israel in the field of water resources management and development cooperation. How will

India and Israel benefit from it?

1. Israel being a water-abundant nation will be able to supply water to India through a land based pipeline.
2. It settles understanding of territorial rights over water resources in the vicinity of both countries.

Which of the above is/are correct?

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

95. Consider the following about Sangeet Natak Akademi Award fellowship.

1. It is the highest honour in the performing arts conferred by the Government of India.
2. Allauddin Khan was one of the first awardees.
3. The Awardees are entitled to a financial grant for establishing a private autonomous performing arts institution.

Select the correct answer using the codes below.

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

96. Indian Handloom Tag has been given to which of the following?

1. Pedana Fabric
2. Chettinad Cotton
3. Ronda Wool

Select the correct answer using the codes below.

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

97. Consider the following about the Shanti Swarup Bhatnagar Prize.

1. The purpose of the prize is to recognize outstanding work in science and technology.
2. It can be awarded to any Indian or

foreign citizen.

3. The prize is distributed by the Prime Minister of India.
4. The awardee is bound to give a lecture in the area of the award.

Select the correct answer using the codes below.

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

98. Consider the following about Earth Hour.

1. It is organized by the World Wide Fund for Nature (WWF).
2. The day organizes and encourages planting of at least one tree by every human being at a specific time.
3. For India, the country-specific theme for 2016 was to encourage usage of solar energy.

Select the correct answer using the codes below.

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

99. Consider the following about 'ASHA' with reference to the

National Health Mission (NHM).

1. She should be a literate woman.
2. She receives performance-based incentives for promoting universal immunization.
3. She is the first port of call for any health related demands of deprived sections of the population.
4. She performs institutional deliveries.
5. She acts as a depot older for essential health provisions in the village.

Select the correct answer using the codes below.

- a) 1, 2 and 3 only
- b) 3, 4 and 5 only
- c) 2, 4 and 5 only
- d) 1, 2, 3 and 5 only

100. The Right to Information (RTI) Act, 2005 confers a right to the citizens to know how the taxpayer's money is being spent by the Government. Consider the following about it.

1. Right to Information has been given the status of a fundamental right under Article 19 of the Constitution.
2. It applies to all States and Union Territories of India except Jammu & Kashmir.
3. RTI includes NGOs, which are substantially financed by the government.
4. It does not cover the Judiciary.
5. Information received in confidence from foreign Government is exempt from disclosure.

Select the correct answer using the codes below.

- a) 2 and 3 only
- b) 1, 3 and 4 only
- c) 4 and 5 only
- d) 1, 2, 3 and 5

Residential Coaching Academy

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PARTICULARS TO BE FILLED IN BY THE CANDIDATE		English
Roll Number		2016 – 2017 ADMISSION TEST [ESSAY]
Name of the Candidate		
Name of the Centre		
Date of the Test		
Signature of the Candidate		
Signature of the Invigilator		

Time (Test Duration): 30 minutes

Max. Marks: 50

Write a Descriptive Essay on any ONE of the following topics.

निम्नलिखित विषयों में से किसी एक पर एक वर्णनात्मक निबंध लिखें

1. "Education is a progressive discovery of our own ignorance"
1. शिक्षा हमारी अपनी अनभिज्ञता की एक प्रगतिशील खोज है
2. Gender Justice: Still a Mirage in India.
2. लिंग न्याय: भारत में अभी भी एक सपना है।
3. Refugee Crisis in the World: Possibility of Solutions.
3. विश्व में शरणार्थी संकट: समाधान की संभावना।