

Odisha Civil Services Mains-2006 (Held in 2008)

General Studies Paper-II

Time: 3 Hours

Full Marks: 300

The figures in the right-hand margin indicate marks.

Answer all Questions

1. Write about the following (150 words):-

- a) India's Look East Policy.
- b) India and U.N. Reforms.

2. Write about the following (about 20 words each):-

- a) Siachen dispute.
- b) Nuclear Suppliers Group.
- c) Tashkent Agreement.
- d) C.T.B.T.
- e) I.A.E.A. Safeguards.

3. Write about the following (about 20 words each)

- a) India Caucus.
- b) India Americans in NASA.
- c) India Diaspora in Australia.
- d) Role of Indian Americans in U.s Presidential Elections.
- e) Indian-Canadians and their role in Canada's economic growth.

4. Answer any one of the following (in about 250 words):-

- a) Assess the impact of economic reforms in India since 1991 on growth, employment and poverty.
- b) Explain the salient features of the Eleventh Five Year Plan of India.

5. Answer any TWO of the following (in about 150 words each):-

- a) Explain the reasons that led India to globalize its economy. How far has the country gained from it?
- b) What are the main Provisions of the World Trade Organisation (WTO) in the field of agriculture?
- c) Discuss the recent credit control policy of Reserve Bank of India.

6. Answer the following (in about 20 words each):-

- a) What is an Ad- valorem Tax?
- b) What is Agrarian Economy?
- c) What is Balance of Payments?
- d) What is Bank Rate?
- e) What is Cash Reserve Ratio?
- f) What is Fiscal Deficit?
- g) What is inflation?
- h) What is the Rolling Plan?
- i) What is Dumping?
- j) What is Floating Exchange Rate.?

7. Account for the slow economic development of the Orissan Economy in the Post-Reform period. How do you relate this slow growth with high regional imbalance prevailing in the state? 30 marks

8. Write about any TWO of the following (in about 150 words each):-

- a) Environmental Summit at Bali,
- b) Role of America in West Peace Process.
- c) The Afghanistan Crisis.

9. Writ about the following (in about 20 words each):-

- a) Common Wealth Association.
- b) Narco-Terrorism.
- c) Kyoto Protocol.
- d) Non- Alignment.
- e) Millennium Development Goals.

10. Write about the following by expanding and explaining the objectives (In about 20 words) 10 marks

- a) WMD
- b) WIPO
- c) UNCOLS
- d) UNDP
- e) UNHCR

11. Answer any ONE of the following (in about 250 words): marks

a) What do you mean by "Heavy metals"? Suggest any two methods for identification and estimation of heavy metals from the environmental samples. Add a note on "Speciation" of Metals.

b) Explain the term: "monoclonal antibodies". Discuss the methods followed in the preparation of them. In brief, write a note on: "recombinant DNA technology"

12. Answer any TWO of the following (in about 150 words each): 30 marks

a) What is a database? Discuss its applications. Explain at least one data model with suitable example.

b) Define and explain the term: "Bioenergy". Add a note on "Biofuels".

c) Write notes on: "Steroid hormones" and "Gene expression".

13. Answer any TWO of the following 10 marks

a) What do you understand by "Green Chemistry"?

b) TATA box and CAAT box

c) Assembler, Compiler and interpreter

d) Write a note on: "Artificial Intelligence".

e) Describe the safe way of removing CO₂ from air

14. The following table gives the marks obtained by 100 students in a school examination. Study the table carefully and answer the questions given below:

Subject	Marks obtained out of 100				
	0-19	20-39	40-59	60-79	80-100
Maths	11	16	36	24	13
Science	8	14	28	35	15
Average of two subjects	9	14	38	27	12

- a) How many students have secured 60% or more marks in two subjects together? 2 marks
- b) If to qualify in the examination one has to secure a minimum of 60% maths, what is the minimum number of students who would qualify? 3 marks
- c) How many students have obtained less than 60 marks in Science? 3 marks

15. (a) Represent the following data by Histogram: 8 marks

Daily Earnings (Rs.)	No. of Stores
0-50	3
50-100	7
100-150	4
150-200	5
200-250	4
250-300	3
300-350	2
350-400	2

- b) An urn contains 6 white, 4 red and 9 black balls. If three balls are drawn at random, find probability that two of the balls drawn are white. 8 marks

16. (a) Draw the cumulative frequency curve less than type from the following data and find the value of median. 8 marks

Pay level (Rs-)	No. of Workers
Less than 2000	35
Less than 2500	59
Less than 3000	71
Less than 3500	86
Less than 4000	102
Less than 4500	159
Less than 5000	200

b) The average monthly wage of all workers in a factory is Rs 444. If the average wages paid to male and female workers are Rs 480 and Rs 360 respectively, find the percentage of male and female workers employed by the factory. 8 marks

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