Odisha Civil Services Mains-2006 (Held in 2009)

General Studies Paper-I

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) Restoration of popular rule in Pakistan and its implications for India.

b) Barrack Obama and prospect of new Indo- USA relations.

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

a) Border dispute with China.

b) Trade across the LOC with Pakistan.

c) Dealing with terrorists from Bangladesh.

d) India's moon mission.

e) India and the Non- Aligned movement.

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

a) The G-8 countries.

b) Economic Development in India.

c) Prospects of Indians in the USA.

d) India and nuclear weapons.

e) India and the UNO.

4. Answer any ONE of the following (in about 250 words)

a) Briefly review the development experience of India since Independence.

b) Assess the role of International Monetary Fund (IMF) in solving the problem of international liquidity.

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

a) Examine the recent changes in the composition and the direction of India's foreign trade.

b) Discuss the measures adopted by the Reserve Bank of India to reduce the impact of global financial crisis on the Indian economy.

c) Examine the limitations and achievements of World Trade Organization (WTO).

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

a) What is mixed economy?

b) What is Green Revolution?

c) What is Inclusive Growth?

d) What is Inflation?

e) What is VAT?

f) What is globalization?

g) What is devaluation?

h) Whit is disguised unemployment?

i) Whit is IBRD?

j) What is Human Development Index?

7. a) Outline the major trends in the economic growth of Orissa in the posy-reform period.

   b) Do you say that the development strategy adopted so far has not been successful in reducing regional disparity and accelerating faster economic growth in the Stat? Explain.

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

a) 14th SAARC Summit, 200,.

b) 'The Washington Declaration issued by G-20 Nations.

c) Secretary General of the UN.

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

a) Simla Agreement

b) Third world

c) SALT-I

d) The Arab League

e) ASEAN Charter

10. Write about the following by expanding and explaining the objectives (in about 20 words each)

a) IMF

b) UNCTAD

c) ICAO

d) ADB

11. Answer any ONE of the following (in about 150 words):

a) Explain what are the causes and consequences of ozone layer depletion in the upper atmosphere. How can the depletion be removed?

b) What is meant by parthenogenesis? Distinguish between natural and induced parthenogenesis.

12. Answer any TOW of the following (in about 150 words)

a) What is Computer Software? How are they produced? How many types are there? How are they affected by viruses? What is meant by upgradation of Software?

b) Explain what "green" fuels are. How are they produced? Compare them with fossil fuels.

c) What is AIDS? How does it occur? How does it spread? Are there any cures for it? How can it be prevented?

13. Answer any TOW of the following:

a) What are fullerenes? What are the applications?

b) Give the decimal equivalent of the binary number 1011011011.

c) What are low level and high level programming languages?

d) What are nitrogenase enzymes? Mention their biological functions.

e) How does fossil fuel burning contribute to global warming?

14. The following table given the marks obtained by 150 students in a school examination. Study the table carefully and answer the questions given below:

Marks Obtained out of 100

Subject	0-20	20-40	40-60	60-80	80-100
Mathematics	21	18	32	25	24
Social studies	15	19	60	21	5
Average of two	12	21	40	33	14

a) How many students have secured 60% or more marks in two subjects together?

b) If to qualify in the examination one has to secure a minimum of 60% marks in Mathematics, what is the maximum number of students who would qualify?

c) How many students have obtained less than 60 marks in social studies?

15. (a) Out of a sample of 300 companies, the debt as percentage of total capitalization (equity +long term debt) was found as follows:

Debt as percentage of

Total capitalization	No of companies
0-5	10
5-10	15
10-15	40
15-20	45
20-25	100
25-30	60
30-35	25
35-40	5
Total	300

Draw a histogram from the above data.

(b) The probability that the contractor will get a plumbing contract is 2/3 and the probability that he will not get an electric contract is 5/9. If the probability of getting at least one countries is

4/5, what is the probability that he will get both the contract?

16.(a) In a consumer survey for the study of buying habits of a luxury item, the following data were collected. Draw less than cumulative frequency curve and hence calculate median:

Gross income per annum (in Rs.) *	Number of consumers who use luxury items
Upto 5000	2
5001-10000	15
150001-15000	25
15001-20000	28
20001-25000	33
25001-30000	35
30001-35000	38
35001and above	40
Total	216

 (b) The average salary of male employees in a farm is Rs.5200 and that of female is Rs.5200 and that of female is Rs.4000. If the mean salary of all the employees is Rs.5000, find the percentage of males and females employed.

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