

CS-77/06

GENERAL STUDIES

Paper-II

Time Allowed : Three Hours

Full Marks : 300

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

15×2=30

- (a) Restoration of popular rule in Pakistan and its implications for India.
- (b) Barrack Obama and the prospect of a new Indo-USA relations.

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

2×5=10

- (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) :—

2×5=10

- (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) :— 20

- (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 **TWO** of the following (in about 150 words each) :— $10 \times 2 = 20$

- (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 Organisation (WTO).

6. Answer the following (in about 20 words each) :— $2 \times 10 = 20$

- (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 globalisation ?
 - (g) What is devaluation ?
 - (h) What is disguised unemployment ?
 - (i) What is IBRD ?
 - (j) What is Human Development Index ?
7. (a) Outline the major trends in the economic growth of Orissa in the post-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 State ? Explain. 16+14
8. Write about any **TWO** of the following in about **150** words each) :— 15×2=30
- (a) 14th SAARC Summit, 2007.
 - (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) :— 2×5=10
- (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) :— $2 \times 5 = 10$

(a) IMF

(b) UNCTAD

(c) ICAO

(d) ADB.

11. Answer any **ONE** of the following (in about 250 words) :— 30

(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 **TWO** of the following (in about 150 words) :— $15 \times 2 = 30$

(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 are "green" fuels. 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 **TWO** of the following :— $5 \times 2 = 10$

- (a) What are fullerenes? What are the applications?
- (b) Give the decimal equivalent of the binary number 10110110.11.
- (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 gives 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 subjects	12	21	40	33	14

- (a) How many students have secured 60% or more marks in two subjects together? 2
- (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? 3

(c) How many students have obtained less than 60 marks in social studies ? 3

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

<i>Debt as percentage of total capitalization</i>	<i>No. of companies</i>
0—5	10
5—10	15
10—15	40
15—20	45
20—25	100
25—30	60
30—35	25
35—40	5
<i>Total</i>	<i>300</i>

Draw a histogram from the above data. 8

(b) The probability that the contractor will get a plumbing contract is $\frac{2}{3}$ and the probability that he will not get an electric contract is $\frac{5}{9}$. If the probability of getting at least one contract is $\frac{4}{5}$, what is the probability that he will get both the contracts ? 8

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 :—

<i>Gross income per annum (in Rs.)</i>	<i>Number of consumers who use the luxury item</i>
Up to 5000	2
5001-10000	15
10001-15000	25
15001-20000	28
20001-25000	33
25001-30000	35
30001-35000	38
35001 and above	40
<i>Total</i>	216

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- (b) The average salary of male employees in a farm 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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