



General Studies-2000 (Main) (Paper-2)

Time Allowed: Three Hours Maximum Marks: 300

Instructions

Each Question is printed both in Hindi and in English.

The answers must be written in the medium specified in the Admission Certificate issued to you, which must be stated clearly on the cover of the answer-book in the space provided for the purpose. No mark will be given for answers written in a medium other than that specified in the Admission Certificate. Candidates should attempt ALL questions strictly in accordance with the instructions given under each question. The number of marks carried by each question is indicated at the end of the question.

1. Answer any two of the following (Answer to each question should be in about 150 words).

$$15 \times 2 = 30$$

- a. Discuss Indian-Sri Lankan relations in recent years.
- b. India's Kargil victory rested on its successful effort at combining diplomacy with the use of force. Discuss.
- c. Differentiate and state the significance of Pokharan I and Pokharan II.

2. Answer the following (Answer to each question should be in about 20 words) $2 \times 5 = 10$

- a. What does track two diplomacy stand for?
- b. Non-alignment is a need, not a creed, Elaborate.
- c. Differentiate between Peace-making and Peace-keeping.
- d. What is deterrence?
- e. Why has the indigenous development of Cryogenic Enging become necessary for India?

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3. Answer the following (Answer to each question should be in about 20 words). $2 \times 5 = 10$

- What does the Global organisation of people of Indian origin stand for?
- What is the impact of economic sanctions against India on NRIs?
- Why is Fiji crisis of May 19, 2000 a specific concern for India?
- Examine the role of NRIs in the liberalisation process of India.
- Mention few NRIs who have brought name and fame for India.

4. Answer anyone of the following (Answer should be in about 250 words). 30

- India is rapidly emerging as an Information Technology (IT) Superpower. Discuss some aspects of the growth of this Sector in the Indian economy. What role can public policy play in further enhancing growth prospects in this Sector?
- Control over growth of population in India is an essential condition for the country's rapid economic development. Discuss.

5. Answer any two of the following (Answer to each question should be in about 150 words).

$2 \times 15 = 30$

- Discuss the reasons for the failure of the Seattle Millennium talks on the WTO (World Trade Organisation). Discuss some implications of this failure for the Indian economy.
- What is (Revised) Targeted Public Distribution System? What are its main features?
- Discuss the economic effects of Black money (Parallel economy) in Indian economy.

6. Answer the following (Answer to each question should be in about 20 words). $2 \times 15 = 30$

- What are the main objectives of the 9th Five-Year Plan of the Government of India?
- Write a note on MODVAT Scheme of 1986.
- Explain per capita income as a measurement of economic growth.

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- d. What are the objectives of Social Security?
- e. What do you mean by 'Parallel Economy'
- f. Describe the use of 'Command Area Development' in India.
- g. What is ICOR (Incremental Capital Output Ratio)?
- h. What are the main objectives of NABARD?
- i. What do you know about 11th Finance Commission?
- j. What do you mean by revenue deficit in the Central Government's Budget?
- k. How has the Census (1991) defined the Urban Areas?
- l. What are the objectives of New Economic Policy of the Government of India?
- m. Write a note on Rao-Manmohan model of development.
- n. What is the rational for 'Mid-day Meal' Scheme?
- o. What has been the impact of the recent economic reforms programme on the incidence of poverty in India?
7. Answer any two of the following (Answer to each question should be in about 150 words)
 $15 \times 2 = 30$
- a. Define Globalisation and differentiate it with Internationalism.
- b. There is a wide-spread concern about the degradation of environment and the problems that go with it. Assess the international response.
- c. How can India accommodate her foreign policy principle of 'non-intervention' with the emerging right to 'intervention'
8. Answer the following (Answer to each question should be in about 20 words). $2 \times 5 = 10$
- a. What are the prospects of CTBT?
- b. Differentiate between Collective security and Cooperative security.
- c. What do the following stand for?
- i. MARV
- ii. MIRV
- iii. ICBM
- d. Differentiate between Explosion and Implosion.

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- e. What do you know about Siachin Dispute?
9. Answer the following (Answer to each question should be in about 20 words) $2 \times 5 = 10$
- What do the following stand for?
 - SAARC
 - ASEAN
 - OIC
 - What is meant by SDI?
 - Differentiate between SALT and START.
 - What do you know about G - 77?
 - What is Global Environmental Facility (GEF)?
10. Answer any one of the following (Answer should be in about 250 words). 30
- What is the significance of the geostationary orbit? What would happen if it become too crowded?
 - Why is the HIV considered so dangerous? Why has the spread of the virus proved so difficult to contain, especially in the poorer countries of the world?
11. Answer any two of the following: (Answer to each question should be in about 150 words) $15 \times 2 = 30$
- How are transgenic plants different from hybrid plants and what is their relevance modern agriculture? Elaborate.
 - What are greenhouse gases? What impact do they have on the Earth's climate and with what consequences? Elaborate.
 - What is water harvesting? Describe its relevance in the Indian context.
12. Answer the following: (Answer to each question should be in about 20 words) $2 \times 5 = 10$
- What does the 'clock speed' of a computer signify?
 - What do the following stand for?
 - http
 - CPU
 - ROM

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iv. BIOS

- c. What is a modem and what is it used for?
- d. What is spamming?
- e. How does a computer virus destroy data?

13. Answer the following:

- a. The table below shows the number of students in different faculties of a University:

Year	Number of Students Humanities	Number of Students Science	Number of Students Commerce	Total
Year 1975 – 76	Students = 2810	Students = 890	Students = 540	Students = 4240
Year 1976 – 77	Students = 3542	Students = 1363	Students = 471	Students = 5376
Year 1977 – 78	Students = 4301	Students = 1662	Students = 652	Students = 6615
Year 1978 – 79	Students = 5362	Students = 2071	Students = 895	Students = 8328
Year 1979 – 80	Students = 6593	Students = 2752	Students = 1173	Students = 10518

Represent the data by a suitable diagram. 8

- b. The pie chart below gives the annual production of certain commodities of a State.

If the production of sugar is 3000 tons, find the total production of rice and wheat. 8

14. Answer the following:

9999801394, 8010068998

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- a. The number of overtime hours worked by 1000 employees of a company during the last six months is as follows: $4 \times 2 = 8$

Overtime (in hours)	Number of Employees
Hours 0 – 20	Employees 401
Hours 20 – 40	Employees 226
Hours 40 – 60	Employees 182
Hours 60 – 80	Employees 74
Hours 80 – 100	Employees 43
Hours 100 – 120	Employees 38
Hours 120 – 140	Employees 20
Hours 140 – 160	Employees 9
Hours 160 – 180	Employees 5
Hours 180 – 200	Employees 2

- i. What is the percentage of employees having worked less than 40 overtime hours during these months?
- ii. What is the percentage of employees having worked for at least 40 overtime hours but less than 100 overtime hours?
- b. A certain company offered its shares, of par-value Rs. 120, at a premium of Rs. 20. In the following year a dividend of 21% was declared by the company. Find the rate of interest at the hands of the investor. 8

15. Answer the following: $2 \times 4 = 8$

- a. A farmer has a square plot for cultivation. If the length of each side is increased by 10%, then the yield from the plot will increase by 20%. Is it true? Give reason.
- b. A company increased its production 8 times in a period of 3 years. What is the percentage increase per year?
- c. The price of a commodity fell by 25% and then rose by 33.33%. Can we conclude that the current price is 8.33% more of the original price? Give reason.
- d. A group of 150 workers have Rs. 72.60. When both the groups are combined, what be the average daily wage?