

TNPSC GROUP-I MAINS - 2002

GENERAL STUDIES-PAPER I

Duration : 3 Hours **Max. Marks: 300**

Instructions to the Candidates:

- Each question is printed both in English and in Tamil. The candidates are given the option of writing the answers either in Tamil or in English but not partly in Tamil or partly in English.
- Candidates should attempt all question from Sections-I, II, and III.
- The number of marks carried by each question is indicated at the end of the question.
- In all matters and in cases of doubt, the English version is final.
- Graph sheets are provided for drawing graphs.

SECTION-I

1. Examine critically the Nuclear Power Programme of India (About 250 words) (35)

(or)

Examine the contribution of Kamaraj to the Development of education in Tamil Nadu. (About 250 words). (35)

2. Answer **any two** of the following (About 150 words each): $2 \times 15 = 30$

- Write about K.B. Hedgewar.
- Explain the Self-Respect Movement
- What do you know about the Kathakali Dance and Manipuri dance?

3. Answer **any three** of the following (About 75 words each) $3 \times 10 = 30$

- Assess the contribution of Arya Samaj
- Examine the Panchsheel
- Assess the Noon Mel Scheme, introduced by M.G. Ramachandran.
- Write about the constitutional status of the Union Territories.

4. (a) Write about the chief features of the following:

- The Tashkent Agreement
- Privy Purse
- The Indian University Act of 1904.

- (b) What do you know about the following?

- Unionist Party
- Ramakrishna Mission
- Swatantra Party
- Auroville
- Jawaharlal Nehru Award for Peace and International Understanding.

- (c) Why have the following become famous?

- M. Visvesvaraya
- K.M. Munshi
- Maraimalai Adigal
- Dr. Raja Sir Muthiah Chettiar
- Raja Ravi Verma
- Quaithe Millath Ismail Shahib
- Pachaiappa Mudaliar. $15 \times 2 = 30$

SECTION -II

5. Critically analyse the rise and growth of Political Communalism in India. (About 250 words). (35)

OR

Write an essay on the Ethnic conflict in Sri Lanka (About 250 words).

(35)

6. Attempt **any three** of the following: $3 \times 10 = 30$
- Estimate the contributions of L.K. Kirloskar
 - Write a note on Dialysis
 - Write about the Commonwealth
 - Give a brief note on the Moscow Declaration of 2001.

7. Attempt **any five** of the following: $5 \times 6 = 30$

- Discuss the Mullai Periyar Dam Dispute
- Write about the National Film Festival of India-2000
- Write a note on Lalit Kala Academy.
- Discuss the contribution of the Amnesty International.
- What is Anthrax?
- Give a brief note on POTO, 2001.
- What is the Supreme Court ruling on Public Smoking?

8. a) Who are the following? Why have they been in the news?

- Mira Nair
- Bimal Jalan
- Abdul Salam Sayef
- Malleswari
- G.K. Vasan
- Jagmohan Dalmiya

- b) What do you know about the following?

- Magsaysay Award
- Significance of the Radio Kashmir
- Kalaimamani Award.

- c) Name the authors of the following books:

- India Divided
- Truth, Love and a Little Malice.

- d) Answer the following::

- Who received the Best Screen Play Writer Award of Government of India for the year 2000?
- Who received the Booker Prize for the year 2001?
- Who received the Lokmanya Tilak Award For the year 2001?
- Who was awarded the Gandhi Seva Award for the year 2001? $15 \times 2 = 30$

SECTION - III

9. The frequency distribution relating to daily wages of workers is given below:

Daily Wages (Rs.)	No. of Workers
10 – 20	8
20 – 30	12
30 – 40	35
40 – 50	25
50 – 60	6
60 – 70	4

- Using a graph sheet, draw less than cumulative frequency curve. 8
- Find out the number of workers who are getting less than Rs.35. 4

10. For the data given below:

Item	Monthly Expenditure
Food	35.5%
Clothing	12.6%
Rent	10.2%
Education	18.2%
Others	23.5%
Total	100%

- a) Draw a pie-diagram. (8)
 b) If the total monthly expenditure of a family is Rs.8,400, calculate the expenditure on each item. 4

11. The following tables gives information about the weekly average salary in Rs.) the standard deviation of salary (in Rs.) and the number of workers of two industries A and B in a city.

Industry	Average Salary (in Rs.)	Standard Deviation (in Rs.)	Number of Workers
A	34.5	5	476
B	28.5	4.5	524

- (a) Find out which company pays more salary to their workers 4
 (b) Find the average weekly salary of both companies A and B of 1000 workers taken together. 4
 (c) Which company is consistent in paying salary to their workers? 4

12. The following distribution refers to the sales (in Rs.) of 100 companies.

Sales in Rs.	Number of Companies
Below 2,500	7
Below 4,500	13
Below 6,500	24
Below 8,500	36
Below 10,500	60
Below 12,500	85
Below 14,500	100

- (a) Convert the given distribution into frequency distribution. 5
 (b) Find out the percentage of companies selling above Rs.8,500. 4
 (c) Find out the more than cumulative frequencies 5

GENERAL STUDIES – PAPER II

Duration: 3 Hours

Max. Marks: 300

Instructions to the Candidates:

- Each question is printed both in English and in Tamil. The candidates are given the option of writing the answers either in Tamil or in English but not partly in Tamil or Partly in English.
- Candidates should attempt all the questions from all Sections – I, II and III
- The number of marks carried by each question is indicated at the end of the question.
- Answers f various parts of a question be written compulsorily in one place and answers of other questions should not be written in between them.
- In all matters and in cases of doubt, the English version is final.

SECTION – I

1. (a) Explain the constitutional remedies incorporated in Part III of the Indian Constitution. (About 250 words) 40

OR

- (b) How is the Governor of a State nominated in India? Does the manner of his nomination ensure his independent functioning? (About 250 words) 40

2. (a) Differentiate between Fundamental Rights and Directive Principles of State Policy. To what Extent the Directive Principles have been Implemented? (About 250 words) 40

OR

- (b) Discuss the significance of Article 370 of the Indian Constitution. (About 250 words) 4

3. (a) Explain the role of Pressure Groups in India. (About 250 words) 40

OR

- (b) Discuss the composition and functions of Planning Commission (About 250 words) 40

4. Answer any two of the following:

(Answer to each question should be in about 150 words):
 20 + 20 = 40

- Highlight the significance of the 24th Amendment to the Constitution of India.
- How is the Vice-President of India elected?
- What is the status of Right to Property in the Indian constitution?
- What are the powers of the Speaker in the Lok Sabha?

SECTION-II

5. Answer any two of the following:

(Answer to each question should be in about 150 words):
 20 + 20 = 40

- "India is a sub-continent". Justify.
- What is mean by "White Revolution"? Explain how it is more advantageous over Industrial Revolution in Indian condition.
- Write a note on rain water harvesting.
- Discuss the Ninth Five-Year Plan with special reference to agriculture.

6. Answer any two of the following (should be in about 150 words): 15+15 = 30

- Bring out the importance of 'Krishna' water scheme for Tamil Nadu.
- Give a brief description of India's wild life. Point out the steps taken to preserve them.
- Account for the earlier concentration of cotton textile industries in and around Mumbai.
- What are the 'non-farm sectors'? What is the role played by them in the economy of India?

7. Answer any two of the following: should be in about 150 words) 20 + 20 = 40

- Describe the present position of India as a producer and exporter of hides and skins.
- Briefly analyse the problems of Indian Agriculture and their role in the development of Indian economy.
- Bring out the growing importance of fisheries in India
- How does the Chhota Nagpur Plateau form the heart of industrial India? Explain.

SECTION - III

8. Answer **any four** of the following (Each in about 25 words): $4 \times 3 = 12$
- What do the following stand for?
 - NEERI
 - IGCAR
 - CDRI
 - Where are the following located?
 - ISRO (Indian Space Research Organisation)
 - LPL (Liquid Propulsion Laboratory)
 - CFTRI (Central Food Technology Research Institute)
 - Differentiate between an ordinary thermometer and a clinical thermometer.
 - Write about the mineral potential of Salem District in Tamil Nadu.
 - What are the ethical considerations of cloning in human?
 - What are the pharmaceutical potentials of secondary metabolites of plants.
9. Answer **any three** of the following (Each in about 25 words): $3 \times 3 = 9$
- Write about the applications of artificial satellites.
 - Distinguish between crystalline and amorphous substances
 - Write about the scientific basis of Bullet train.
 - Write a short account on the different generations of computers.
 - What is the biological significance of Kurusadai Island?
 - Write about the cause and consequence of greenhouse effect.
10. Answer **any three** of the following (Each in about 25 words): $3 \times 3 = 9$
- Are two blankets warmer than one of double thickness of each? If so, why?
 - What is heavy water? What are its applications? Where is a heavy water plant in Tamil Nadu located?
 - Distinguish between RAM and ROM.
 - Which place in Tamil Nadu is famous for fossils? How are fossils dated?
 - What are Oncogenes? How do they reflect predisposition to a disease?
 - Write the importance of Micronutrients.

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