

Mains Explained

GENERAL STUDIES

SOLVED PAPER

Includes last 5 years questions of general studies papers (1, 2, 3 & 4)

FOR MAIN EXAMINATION



Previous Years Question Papers (last 5 years)

2022

(Notification of 2022-23)

GENERAL STUDIES
PAPER—I
Time: 3 Hours
Full Marks: 250

The figures in the right-hand margin indicate marks.

Candidates should attempt **all** questions of **GROUP-A** with word limit of **300 words** and should attempt **any 10 (ten)** questions from GROUP-B with word limit of 250 words.

GROUP-A

1. In what ways was India a diverse and multicultural society ? Why was it considered so and how did it differ from other societies of Asia and Europe? Explain with examples. 20
2. What were the causes and consequences of the Odisha Famine of 1866? Discuss in the light of the following : 20
 - a) British policy of forcibly extracting agricultural revenue.
 - b) The heavy dependence of agriculture in India on forces of nature.
3. What is slum inclusive development? Will this lead to a sustainable urban development? Discuss. 20
4. Do you think sustainable development goal targets are achievable? If yes, how are we going to achieve it? If not, what are the obstacles to achieve it? 20
5. Outline the significance of Bhitarkanika National Park. 20

GROUP-B

6. What were the major changes that Mahatma Gandhi brought in public life in India? 15
7. 'Extremism in politics seldom achieves positive results.' Discuss in the context of the Indian National Movement.
8. Throw light on the role of Jayi Rajaguru and Buxi Jagabandhu in resisting British control and inspiring people during the National Movement. 15
9. How would a Union of States be different from a Federation of States? Discuss (a) In the context of the Constitutional position in India that India is a Union. (b) In contrast with the causes and consequences of the American Civil War through which the Union was forced onto the Confederacy.

10. What is secularism? In what ways, it is compatible with the multi-cultural, multi-religious ethos practiced by India across the ages? 15
11. What were the reasons for the rapid growth of the industrial revolution in Europe? Discuss in the context of the relative absence of modern industrialization in the prosperous lands of India and China till the 19th century. 15
12. "Disaster Risk Reduction is everybody's business." Discuss with evidence. 15
13. What are the five 'P's in sustainable development goals? Explain briefly. 15
14. What is precision agriculture? Will it be possible in Indian agriculture? 15
15. Will the ageing population be a problem in India? If not, what are the problems you foresee in the age structure of the Indian population? 15
16. What is geoinformatics? What are its advantages in planning in various sectors? 15
17. What do you understand by the term climate resilience? What is the need for it? 15

GENERAL STUDIES
PAPER—II
Time: 3 Hours
Full Marks: 250

The figures in the right-hand margin indicate marks.

Candidates should attempt **all** questions of **GROUP-A** with word limit of **300 words** and should attempt **any 10 (ten)** questions from **GROUP-B** with word limit of **250 words**

1.
 - a) Explain the concept of Accountability. 10
 - b) Examine the dimensions of Accountability for Good Governance. 10
2.
 - a) Examine the background of Sarkaria Commission. 8
 - b) Examine the major recommendations of Sarkaria Commission. 12
3.
 - a) Explain Article 35A of Indian Constitution. 8

- b) Revocation of Special Status and Domicile Law in Jammu and Kashmir is a positive step towards National Integrity." Discuss. 12

4.

- a) "Article 263 of Indian Constitution is the Custodian of Inter-State Relations in India." Discuss.12
b) "The Inter-State Council is more advisory than effective." Comment. 8

5.

- a) Examine the provision of Social Justice as incorporated Indian Constitution. 8
b) "Law is a catalyst to reach the ladder of Social Justice." Examine this statement. 12

GROUP-B

6. "Legitimacy of institutions and popular support are the key factors in Good Governance." Explain.15

7.

- a) Explain the salient features of Good Governance. 8
b) What are the pre-conditions for Good Governance? 7

8.

- a) Explain federal form of Government. 5
b) Examine the issues in Indian federalism. 10

9.

- a) Examine the role of the Governor with reference to passage of Bills. 6
b) What are the challenges associated with Governor's office? Examine. 9

10.

- a) Analyse the role of Government in regulating data privacy and cyber-security. 7
b) Explain about data privacy and cyber-security framework in India. 8

11.

- a) "Power worship blurs political judgement." Comment on this statement in the light of Indian electoral politics. 8
b) "Democracy governed by a dominant party appears very different from a democracy with no dominant party." Comment in Indian experience. 7

12.

- a) Trace out the causes for Inter-State border disputes in India.7
b) Discuss the issues and the mechanism to resolve border issues. 8

13.

- a) Examine the concerns of Odisha State in respect of sharing of Mahanadi water. 7
b) Examine the status of Chhattisgarh-Odisha Mahanadi water dispute. What is the way forward ? 8

14.

- a) What is Social Justice and what is the status of woman in Indian society? 7
- b) Examine the legal status of women in India. 8

15.

- a) What are the Constitutional provisions of Social Justice guaranteed in India? 5
- b) Discuss about Government of India's initiatives to make Social Justice a reality. 10

16. (a)

- i. Explain democratic decentralization. 3
- ii. Examine the impact of 73rd Constitutional Amendment on decentralization of power and functioning of Panchayats 6

b) Examine the impact of 74th Constitutional Amendment on decentralization of power and functioning of Municipalities. 6

17.

- a) What is Freebie? Draw the difference between Freebies and Welfare. 6
- b) "Freebies culture by political parties is a double-edged sword." Examine this statement. 9

PAPER—III
Time: 3 Hours
Full Marks: 250

The figures in the right-hand margin indicate marks.

Candidates should attempt **all** questions of **GROUP-A** with word limit of **300 words** and should attempt **any 10 (ten)** questions from GROUP-B with word limit of **250 words**

GROUP-A

1. Assess the environmental and human health impacts of plastic pollution. Examine the sources, distribution and persistence of plastic pollutants in terrestrial and aquatic ecosystems. Discuss potential strategies and technological innovations for mitigating plastic pollution and promoting sustainable waste management practices. 20
2. Investigate the phenomenon of ozone depletion in the stratosphere. Discuss the role of ozone-depleting substances, their sources and the environmental and health impacts of a depleted ozone layer. Evaluate international efforts and agreements aimed at addressing this issue. 20
3. Define the 7 layers of cybersecurity. What are vulnerability, its types, threat and harmful acts? 20

4. What is financial inclusion? Why is it important in the context of the goal of inclusive development? Name some policies that have been put in place to achieve financial inclusion in India. 20
5. India can realize its potential GDP only if the bottlenecks in the path can be overcome. Comment. 20

GROUP-B

6. Discuss the role of greenhouse gases in climate change. Explain the sources of major greenhouse gases, their atmospheric behavior and the mechanisms by which they contribute to global warming. Also, outline potential strategies to mitigate the impact of greenhouse gas emissions. 15
7. Environmental Protection Act, 1986 has now turned into a toothless tiger. Comment. 15
8. Explain biodiversity with respect to its types at all biological levels. Discuss different patterns of biodiversity. 15
9. What is Flood? What are flood forecasting and warning system? Give the detail of warning about landslide hazard and Geological Survey of India. 15
10. Illustrate telemedicine. Describe its purpose and applications. 15
11. What is data privacy and its elements? Explain different types of data breaches. Define data linkage and profiling. 15
12. Critically examine the role of Public Private Partnership (PPP) model for infrastructure development of the country. Cite a few success stories. 15
13. The structural change in Indian economy is a *cane* of the 'missing middle'. Do you think that this kind of structural change can help the economy in becoming a developed one? 15
14. Growth process in India has exacerbated rather than bridging the existing inequalities. Give your views with justifications. 15
15. How does gender budgeting act as a strategy for achieving women empowerment? 15
16. Odisha is the pioneering State in starting the Odisha Millet Mission. Discuss the rationale, objectives and major achievements of the programme. 15
17. Jawaharlal Nehru termed heavy industries and plants as 'Temples of Mother India'. Do you agree? 15

GENERAL STUDIES
PAPER—IV
Time: 3 Hours

Full Marks: 250

The figures in the right-hand margin indicate marks.

Candidates should attempt all questions of GROUP-A with word limit of 300 words and should attempt any 10 (ten) questions from GROUP-B with word limit of 250 words.

GROUP-A

1. Explain the major determinants of ethical actions with suitable examples. 20

OR

Explain specific ethical practices in the personal, organizational and public spheres and practices that are binding to all spheres by citing examples of great administrators. 20

2. Integrity is all-inclusive. Elaborate on it, mentioning all types of integrity and their constituents as relevant to civil servants. Provide appropriate examples as required. 20

OR

Normative ethics is universal and prescriptive ethics is contextual. In this context, explain how the former acts as principles of the latter, with suitable instantiation. 20

3. Discuss ten major aptitudes indispensable for a good civil servant with suitable examples. 20

OR

Explain how a proper and balanced blend of attitude and aptitude can make one a successful administrator.

4. India has diverse cultures and people and many live under terrible conditions. To deal with their situation and progress, sketch out a model of empathetic and compassionate governance. 20

OR

Utkalmani Gopabandhu Das was a social reformist who personified morality, tradition and modernity with emotional intelligence

5. Kant has given three formulations of the categorical imperative as the following:

- a) Act so that the maxim of your action should become a universal law;
- b) Treat humanity in every case as an end in themselves, never as a means only;
- c) Every rational person is both subject and ruler of the kingdom of ends.

Explicate these three in the context of civil servants. 20

OR

With suitable examples, elucidate both positive and negative aides of consequentialist ethics, if exclusively followed for governance. 20

GROUP -B

6. Discuss Aristotle's notion of virtue ethics and how it is conducive to private, organizational and public transactions. 15

7. Discuss the ethical dimensions associated with the utilization of the public fund. 15
8. Why are transparency and the Right to Information adopted for the administration? Explain. 15
9. It is often found that some of the constructions at public places, like bridges and flyovers, break down at the stage of half-construction or immediate completion. These are obviously due to corruption. In this context, analyze the lack of moral integrity, improper attitude and constraints that lead to corruption and simultaneously suggest the preventive steps involving accountability and transparency. 15
10. Explain the moral obligations based on which the corporate responsibility is fixed. 15
11. Ahimsa (non-violence), Satya (truthfulness), Asteya (non-stealing), Brahmacharya (regard for the divinity over lust) and Aparigraha (avoiding excess possession) are five virtues accepted by many systems and they are regarded as common moral virtues. How can a public administrator adopt them, furthering his service to the public? Explain. 15
12. Sometimes, due to empathy, a humanistic attitude and dedication to public service, an administrator is likely to think to bend the rules and become lenient a little, which could legally help a person. However, to be humanistic, adopting empathy and dedication to public integrity are moral, but bending the rules and being lenient is illegal. Explain this dilemma arising here and try to resolve it. 15
13. Evaluate the reformatory administration of Sardar Vallabhbhai Patel, the first Home Minister of Independent India, highlighting his moral integrity, attitudes and aptitudes with suitable instances. 15
14. Protocols and Code of Conduct are prescriptive. However, most of these are based upon some cultural and moral values and norms. Explicate these values and norms with appropriate instances. 15
15. How can a subordinate district-level civil servant maintain impartiality and dutifulness by adopting perfect attitude and aptitude while working with hostile political and administrative superordinates and misinformed public? Explain with suitable examples of situations. 15
16. The administration, politics and public life were expected to be satisfying in Post-Independent India. However, the situation is worsening in some States. Find the moral and attitudinal explanations thereof and suggest how the situation will improve. 15
17. There was a young civil servant named Wangchu. He was virtuous and just. He has the right attitude and aptitude, but the only thing is that he never bends to illegal and immoral people and their actions. He faced them as he needed to take action against them, directly or indirectly. For this, he suffered from the atrocities of them and their appointed hooligans, corrupt politicians and officers and misinformed people. He was harassed and emotionally tortured, physically assaulted, offended, degraded, many times and transferred with intermediary suspensions all over his life. All these happened because he could not go with corruption and corrupt people and he adopted Gandhian simplicity, silent suffering and prayers. After retirement, he got some time to read about the Krishna of the Mahabharata. He came over the passages describing Krishna's valor, tactics, diplomacy, love, dutifulness, etc., in all peace or conflict situations. In the light of Krishna's actions, he analyzed his moral uprightness and actions and all his misfortunes. At last, he found only two things that he could not adopt, as Krishna did in similar situations. Then he thought to give a trial in adopting the same. For this, he contested the elections, adopting these two things that he missed

out on and got success not only in the elections, but all through his life, secured prominent positions and removed the corruption as far as he could. His lifelong suffering and morals also paid off, making his image brighter for the public.

Based on the story, recognize the strategy and the two things that Krishna adopted, but Wangchu missed out on all though previous situations as he was an administrator.

Imagine the situations of each of his atrocities and suggest what course of action Wangchu could better adopt in those situations. 15

2021

CSM -4/21
General Studies - I

Time: 3 hours

Full Marks: 300

The figures in the right-hand margin indicate marks.

Answer all questions.

Answer the following questions in about 150 words each (Q. Nos. 1 to 10):

1. Would it be correct to say that the people of Odisha continuously rebelled against British domination? Comment. 10
2. Maratha domination over Odisha in the second half of the 18th century left the people dissatisfied even while it regenerated the culture. Comment. 10
3. Discuss the location and distribution of Iron and Steel Industries in India. 10
4. Explain various geographical and human factors for industrial location in Odisha. 10
5. Explain the term Welfare State. Discuss to what extent India fulfills the criteria of being a welfare state. 10
6. Mission Karmayogi is aimed at building a future ready Civil Servant with the right attitude, skill and knowledge, aligned to the vision of New India. Discuss. 10
7. Explain the Demographic dividend in the context of India. 10
8. What are some of the recent legal pronouncements related to the rights of sexual minorities in India? 10
9. In India, the agriculture and allied sectors is the third largest emitter of greenhouse gas after energy and manufacturing sectors." What changes India should make to achieve carbon-efficient agriculture ? 10
10. Examine the steps taken by Government of India to safeguard our National Heritage. 10

Answer the following questions in about 250 words each :

11. Were the disturbances of 1857 a mere mutiny or a war of independence ? 20

12. The social reform movements of Colonial India were only concerned with the condition of women and little else. Comment 20
13. Give an account on the Himalayan and Peninsular River System of India. 20
14. Give a geographical account of natural resources of Odisha with respect to minerals and forest resources. 20
15. The efficacy of the collegium system has been challenged time to time in terms of its independence and transparency of judicial appointments. Examine. 20
16. There is a need to abolish the sedition law on the ground that it is used to curb freedom of expression and Speech. Discuss. 20
17. Discuss India's contribution towards net zero carbon emissions and what more India can do to achieve its goal of net zero by 2070. 20
18. What do you understand by Uniform Civil Code? Examine Its relevance for a secular country like India and the challenges in its implementation. 20
19. Discuss the role of Non-Governmental Organisation in protection of Human Rights. 20
20. Corruption in public life is a threat to Nation's prosperity". Comment.

CSM -4/21
General Studies - II

Time . 3 hours

Full Marks : 300

The figures in the right-hand margin indicate marks.

Answer all questions.

Answer the following questions in about 150 words each:

1. Justify India's neutrality over the Ukraine invasion by Soviet Russia. 10
2. Examine the Nuclear Energy Policy of India. 10
3. Discuss the structure and functions of World Trade Organisation (WTO). What is the dispute settlement mechanism under WTO? 10
4. Justify the replacement of the erstwhile Planning Commission by the NITI Aayog of India. To what Extent has the NITI Aayog been successful? 10
5. Examine the consequence of Russian-Ukraine war on worldwide economy. 10
6. Discuss the conventional and advisory jurisdictions of the International Court of Justice. 10
7. What do you mean by Stealth Technology? How it can be a support to our defense system? 10
8. With a significant description of Nano fluid, mention why it is used as heat exchanger for new technologies to enhance heat transfer. 10
9. In a sample study about the coffee habits in two towns, the following data are observed : 10
Town A: 55% people are males, 40% are drinkers and 28% are male coffee drinkers.

Town B : 85% people are males, 45% are coffee drinkers and 35% are male coffee drinkers.
Tabulate the above observations.

10. Look at the graph provided below. It pertains to the number of males and females working in a company in different posts:



11. Try to answer the following questions based on the graph drawn above: $1 \bullet 10 = 10$
- What is the name of this diagram?
 - In which post the number of females are more than the males?
 - Which are the posts in which more than six males are working ?
 - In which post the females are more than 50 percent of the corresponding males?
 - What is the number of female officers ?
 - How many sales officer are there in all ?
 - The number of directors in the company are ____ .
 - What is the Y- axis title of the graph ?
 - In which post the number of males are more than double than that of the females?
 - Exactly 10 number of employees is in which post and for which gender?

11. Discuss the challenges faced by India to its territorial integrity. 20

12. Explain the opportunities before India as leader of G 20. 20

13. Give a brief outline of Odisha's macroeconomic performance in terms of growth of GSDP in the post reforms period. Comment on the distributional aspect of the growth across regions. 20

14. What is a Free Trade Agreement (FTA) ? How many FTAs is India part of and who are the partners? Discuss the major issues relating to India's FTAs. 20

15. Highlight the Indo-US relations in the changing geo-political scenario. Discuss the nuances between the relation of two countries. 20

16. How does India see its place in the economic space of rising natural resource rich Africa ? Discuss.

17. How biogas energy source alleviates two major environmental problems simultaneously? With a short note, describe the working of a biogas plant mentioning various steps followed for generation of the electricity . 20

18. With unique Inheritance characteristics and general working of a laser , enumerate its application in communication technology for the present digital era. 20

18. Consider the data provided below. Construe the frequency table for the data and find the number of observations in the data set which is less than 50. Also, draw the frequency polygon of the frequency table (use a graph paper): 20

76, 90, 28, 97, 88, 89, 27, 15, 17, 28, 86, 43,
89, 56, 20, 80, 94, 86, 26, 24, 85, 94, 20,
29, 71, 33, 84, 15, 25, 52, 48, 43, 28, 93 ,
88, 36, 83, 88, 27, 94, 15, 35, 23, 80, 70,
57, 75, 73, 57, 80, 68, 85, 25, 19, 27, 98,
76, 30, 80, 84, 28, 57, 93.

20. In calculating the premium payable for life Insurance policies, the insurance company uses the following mortality table: 20

Age in years	No. of persons surviving
0	1000
25	958
45	905
65	608
75	550

Find the probability that a person of age 25 will :

- a) Attain the age of 45 years
- b) Not attain the age of 75 years
- c) Die before completion of 45 years
- d) Live more than 65 years
- e) Shall die between 65 to 75 years

2020

CSM — 4/20
General Studies -I

Time . 3 hours

Full Marks : 300

The figures in the right-hand margin indicate marks.

Answer all questions.

Answer the following questions in about 150 words each (Q. Nos. 1 to 10):

1. Do you consider that the impact of medieval mystic saints and Sufi poets were rather ephemeral on the deep seated structure of Indian Society? 10
2. How and why did the 'women question' occupy the center stage of social reforms in India during the nineteenth century? 10
3. Discuss the present natural resources conservation policies of Odisha. 10
4. Explain the regional incidence of poverty in Odisha. 10
5. Critically examine the roles of pressure groups in political process of Odisha. 10
6. PRIs are level players in development of a century. In the light of the above sentence examine the structure and function of Panchayat Samiti in Odisha. 10
7. Examine the status of Public Health in Tribal Areas in India. Comment on the health seeking behaviour of tribal people in India. 10
8. How is Communalism is a threat to National Integration ? Analyse. 10
9. Assess the personality profile of deprived classes students in Indian Society. 10
10. Discuss the importance of conservation of heritage sites in India. 10

Answer the following questions in about 250 words each (Q. Nos. 11 to 20):

11. 'With the passing of the Guptas and their immediate successors in Northern India, historical interest shifts southwards to the Deccan and to the area referred as Tamilaham' — Comment. 20
12. 'The Revolt of 1857 was much more than a mere product of sepoy discontent.' Comment. 20
13. Discuss the density distributional pattern of population in India. 20
14. What are the major causes of regional imbalance in India ' 20
15. Judicial legislation is antithetical to the doctrine of separation of powers as envisaged in the Indian Constitution. How do you justify large number of public interest petition of praying for issuing guidelines to the executives ? Is it healthy for a democracy ? 20
16. Ordinance making powers are misused at times. Evaluate the Constitutional and Judicial Safeguards in preventing the same, 20
17. Justify the statement that 'Human Resource Development is the foundation of Nation's Development. 20
18. Examine the impact of Covid-19 on Education Sector in India. 20
19. Analyse the contemporary Internal Security challenges to India. 20
20. Explain the Judicial endeavour in India for the Protection of Human Rights. 20

CSM — 4/20
General Studies -II

Time . 3 hours

Full Marks : 300

The figures in the right-hand margin indicate marks.

Answer all questions.

Instruction : A graph sheet may be provided to the examiners for answering Q. 20.

Answer the following questions in about 150 words each (Q. Nos. 1 to 10):

1. What are the implications of Taliban's recent resurgence in Afghanistan on regional security in South Asia with special reference to India ? 10
2. Indian Diaspora can provide the requisite strategic impulse to unlock India's potential as a global power. Discuss. 10
3. Explain how the fiscal policy of the Government can play a positive role during Covid-19. 10
4. Give a brief outline of regional disparity in Odisha. What policy measures do you suggest for balanced regional development of Odisha ? 10
5. Critically examine the World Health Organizations response to Covid-19. 10
6. What are the consequences of British Exit from European Union ? 10
7. How did semiconductors become the backbone of modern day technology? 10
8. Briefly explain the principle of optical fibers that are used in communication technology. 10
9. Explain briefly a histogram and how to construct it. How will you identify a skewed and a symmetric histogram? 10
10. What do you mean by standard deviation ? How does it differ from the coefficient of variation ? A series 10, 15, 20, 25, 30, 35 and 40 has a standard deviation of 10. Explain what should be the standard deviations of 5, 10, 20, 25 and 35 and 1, 2, 3, 4, 5, 6 and 7 ? 10

Answer the following questions in about 250 words each (Q. Nos. 11 to 20):

11. Does India need to reconsider its 'No first use policy' ? What would be the possible consequences if India changes its policy of 'no first use' to use in first instance? 20
12. What are the impediments faced by Indian abroad during Covid-19 and what steps government has taken to tackle them? 20
13. Discuss the nature of structural changes in the Indian economy during the past two decades. Comment on the implications of such changes. 20
14. Explain why foreign trade is important for India. Discuss the trends of Indian exports and imports in recent years. 20
15. Discuss the justifications of India's bid for a permanent member of the UN Security Council. 20
16. What are the possible implications for India of US withdrawal from Afghanistan 20
17. Wireless communications are cuts e for the society. Please ju6tify this statement. 20
18. Computers use various kinds of memory devices. In what way they differ from each other? 20

19. Explain, with suitable examples, the terms frequency, relative frequency and cumulative frequency. The word length for each of the 90 words in a poem is as follows. 20

5 4 3 5 8 6 8 3 4 3
 4 4 5 8 2 6 7 6 4 5
 6 4 9 8 4 2 2 2 8 2
 3 3 .3 2 4 7 7 2 4 4
 4 3 4 4 2 4 4 9 3 7
 4 5 9 6 3 5 2 5 10 3.
 5 7 3 3 3 6 2 5 3 3
 3 2 4 5 8 5 3 4 .4 6
 7 2 3 5 5 5 3 2 4 5

Summarize the above data in terms of a suitable frequency distribution and obtain less than type cumulative frequencies. With the help of constructed frequency distribution estimate the following :

- Probability that the length of a word in the poem is 9.
- Probability that the length of a word in the poem is less than or equal to 3.
- Probability that the length of a word in the poem is not less than 5.

20. Discuss briefly some of the important types of diagram which are used in the representation o statistical data. Draw a suitable diagram to represent the following data on the distribution of employment status of people by their broad categories:

Employment Status	Rural		Urban	
	Male (in 1000)	Female (in 1000)	Male (in 1000)	Female (in 1000)
Employed	961	708	977	826
Unemployed	11	9	7	8

Not in labour force	28	283	16	166
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2019

CSM — 4/19
General Studies
Paper — I

Time . 3 hours

Full Marks : 300

The figures in the right-hand margin indicate marks.

Answer all questions.

1. Answer any three of the following: 10×3= 30

- Critically examine nature of the Revolt of 1857. How did it affect the British Policy in India after 1858 ?
- Describe briefly the ideals and programmes of the Indian National Congress between 1885 and 1905.
- Give a brief account of the industrial and agricultural policy of the Government of India between 1858 and 1914
- ' Review the relations of the Government of India with Indian states between 1858 and 1918.

2. Write notes on any four of the following: 5* 4 = 20

- Gopal Krishna Gokhale promoted independence from the British Rule. Examine.
- Sardar Vallabhbhai Patel played a pivotal role in Quit India Movement. Explain.
- Kuntala Kumari Sabat, a disciple of Gandhi, made sure that women were to take part in Independence Movement. Examine.
- Laxman Nayak was a martyr of. Freedom Movement. Justify.
- The role of radicals under Bal Gangadhar Tilak in National Movement in India changed the course of the movement. Do you agree .
- Ram Mohan Roy turned the Brahma Samaj into a leading social organization of India.
- Societies were created for. socio-cultural awakening. Discuss about Cuttack Debate Club (1868) or Utkala Brahma Samaj (Cuttack; 1869).

3. Answer any two questions of the following: $10 \times 2 = 20$

- a) What values does Indian Culture teach us?
- b) What is the "Black Pagoda"? Explain its legend.
- c) Write a note on UNESCO world heritage sites in India.

4. Answer any two questions of the following: $10 \times 2 = 20$

- a) Give a note on the Visual Arts of Odisha Rath Jatra, The Pattachitras, Filigree Ornamental works.
- b) Odisha has a rich cultural heritage us
- c) Discuss the classical music and dance festivals in Odisha.

5. Answer any two questions of the following : $10 \times 2 = 20$

- a) Explain the role of monsoon on the agriculture of India.
- b) Give a brief account of the problems associated with urbanization in India.
- c) Discuss the welfare programs associated the upliftment of the tribal people in India

6. Write short notes on any five of the following: $4 \times 5 = 20$

- a) Eastern Ghat Mountains of Odisha.
- b) Mangrove forests of Odisha.
- c) Major river systems of the Mahanadi delta.
- d) Water pollution in the rivers of Odisha.
- e) Mahanadi Coal Field.
- f) Bauxite deposits of Odisha.

7. Answer any three questions of the following in about 200 words each: $10 \times 3 = 30$

- a) Critically analyse various challenges confronting the Indian political parties in the present times.
- b) Explain any three weaknesses in the Indian electoral system and any two reforms that have been suggested in the Indian electoral system.
- c) Why was the Parliamentary System of Government in India preferred and adopted? Discuss the above keeping in mind the advantages and disadvantages of the system.
- d) How have the judiciary helped in the Consolidation of democracy in India.

8. Answer any three questions of the following in about 100 words each. $10 \times 3 = 30$

- a) Describe the composition and functions of the Election Commission of India
- b) Discuss the provisions related to the Reservation of seats provided in the Constitution of India.
- c) Write a short essay on the changing socio- economic background of the Indian Parliament.
- d) Highlight the changes introduced by the 73rd Amendment Act in the Panchayati Raj System.

9. Answer any six questions of the following in about 50 words each; $5 \times 6 = 30$

- a) What to you are the main causes responsible for poverty in Odisha?
- b) Discuss the approach adopted for tribal development in Odisha.
- c) What to you are the reasons behind the movement for separate state in Western Odisha?
- d) Discuss the functions of the Western Odisha Development Council (WODC).
- e) Examine the function of the Governor of Odisha.

- f) Describe the different types of regional parties in Odisha.
- g) Discuss the role of the Speaker of the Odisha Vidhan Sabha.
- h) What are the weaknesses of the Panchayati Raj System in Odisha ?

10.

- a) Explain about Epidemiology. 10
- b) Write an essay on the impact of demographic change on Population. 10

11. Critically discuss the issue of child labour in India. 20

OR

How has drug abuse impacted youth population of India ?

12. Answer any two of the following; 10•2= 20

- (a) Corruption and Lok Pal
- (b) Steps to create communal harmony
- (c) Provisions of minorities in Indian Constitution

13. Explain the causes of Global Warming. 10

14. Discuss the mandate of National Green Tribunal. 10

CSM — 5/19
General Studies
Paper — II

Time: 3 hours

Full Marks: 300

The figures in the right-hand margin indicate marks.

Answer all questions.

1. Answer any two of the following: 10•2 = 20

- a) Analyse India's current relations with China.
- b) Critically explain the strengths and shortcomings of SAARC.
- c) Discuss the Syrian Crisis.

2. Write an essay on India's Policy on Maritime Security. 10

3. Critically evaluate India's No First Use Nuclear Policy. 10

4. Discuss the role of Indian Diaspora in the context of Foreign Policy. 10

5. Answer any One of the following : $10 \times 3 = 30$

- a) Five-Year Plans in India have failed to achieve a considerable rise in the standard of living of the people, in general and to provide a more egalitarian society, in particular. Elucidate.
- b) 'Economic development of India is impracticable without development of its rural sector. Explain
- c) Discuss briefly the barriers to economic development of India. How can these barriers be overcome?
- d) What are the major objectives of the New Economic Policy of the Government of India 1981? How far has the Policy been successful in achieving these objectives?
- e) Why are the Micro, Small and Medium Enterprises (MSMEs) considered growth engine for the new India? Discuss the rationale of financial incentives given to MSMEs for their revival.

6. Answer any three questions of the following: $10 \times 3 = 30$

- a) Discuss the major trade issues of India with U. S. A. How can the issues be addressed ?
- b) 'State the salient features of the Foreign Trade Policy of the Government of India (2015-20). Explain the strategies delineated in the policy to boost exports of India.
- c) Explain how India has benefited from the financial assistance from International Monetary Fund (IMF).
- d) 'With GATT being replaced by WTO, India feels that a multilateral agreement would be a serious impingement on the sovereign rights of countries.' Examine the statement.
- e) Explain how India would benefit from a simultaneous slashing of repo rate and reverse repo rate by the Reserve Bank of India 22nd May, 2020.

7. Answer any two of the following: $15 \times 2 = 30$

- a) Discuss the growth performance of the Odisha economy since, 1991. Comment on the sectoral growth rates.
- b) Define sustainable industrial development'. How it be achieved for Odisha?
- c) Regional disparity in Odisha is a challenge to achieving overall development of the State.' Elucidate.

8. Answer any of the following: $10 \times 2 = 20$

- a) Arab spring
- b) Iran Nuclear Deal
- c) Rohingyas Refugee

9. Answer any two of the following : $10 \times 2 = 20$

- a) UNSC Reforms
- b) EU
- c) WHO

10. (a) Answer the following questions: $6 \times 5 = 30$

- i. What is nanotechnology? List some of its potential applications.
- ii. How are human activities contributing to the acceleration of the Sixth Mass Extinction?

- iii. What do you understand by additive manufacturing (3D-printing) ? What are some of its applications?
 - iv. What are Zoonotic diseases? Write a short note on any. one such disease.
 - v. What is e-Waste? How can the problem be addressed?
- (b) Answer the following questions: $8 \times 5 = 30$
- i. What are the objectives of the recently set up New Space India Limited ?
 - ii. Write a short note on Event Horizon Telescope.
 - iii. What is GPS? Explain its functioning.
 - iv. Discuss the use of space communication technology in disaster management.
 - v. What do the following stand for ?
 - 1. VoLTE
 - 2. GSM
 - 3. OTT Services
- (c) Answer the following questions : $6 \times 5 = 30$
- (i) Convert
 - 1. binary number 10.01 into decimal number :
 - 2. decimal number 137 into binary number
 - (ii) Write a short note on Internet of things
 - (iii) Write a short note on Operating System.
 - (iv) What is Secondary Memory of a computer ? Give examples.
 - (v) What do you understand by Qubit ? How is it different from Classical Bit ?

11. (a) "The following figures represent the number of books issued at the counter of a commerce college library on 12 different days: 3

"96, 180, 98, 75, 270, 80, 102, 100, 94, 75, 200, 610

Calculate the median for this data.

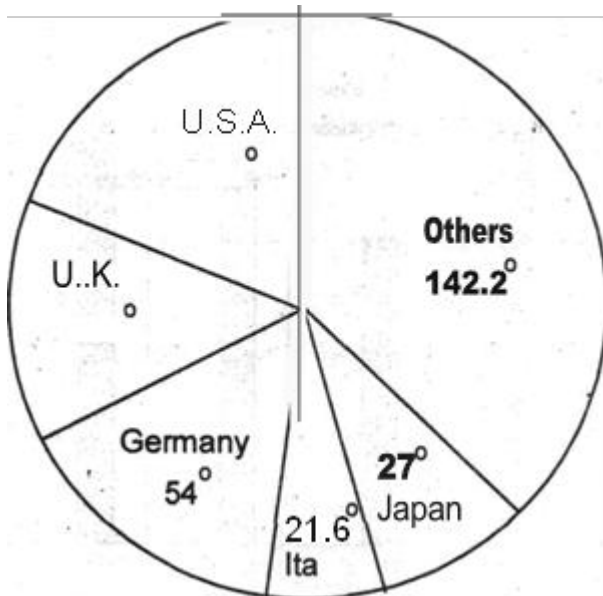
(b) The mean marks of 100 students were found to be 40. Later on it was discovered that a score of 53 was misread as 5. Find the correct mean corresponding to the correct

12.(a) The mean age of a combined groups of men and women is 30 years. If the mean age of the group of men is 32 and that of the group of women is 27, find out the percentage of the men and women in the score. 3

(b) A person walks 8 km at 4 km per hour, 6 km at 3 km per hour and 4 km at 32 per hour. Find his average speed per hour. 3

13. The following pie-chart shows the distribution on the number of foreign collaborations approved with various countries. Study the pie-chart and answer the questions based on it:

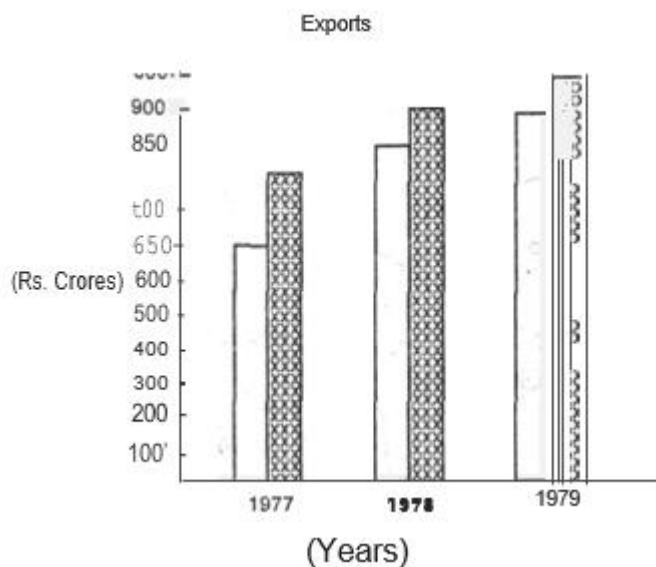
Distribution of Foreign Collaborations



- (a) What is the percentage of total foreign collaborations approved with U.S.A ? 3
- (b) If the total number of foreign collaborations is 1200, then what' is the number of collaborations with Germany? 3

The multiple bar diagrams given below shows the Indian exports and imports (Rs. Crores) over the years 1977 to 1979. Study it carefully and answer the questions :

Foreign Trade



- a) What is the difference between the average exports and imports during the period 1977-1979? 3
- b) What percentage of the total imports is the total exports for the period 1977-1979? 3
- 15.

- a) A university has to select an examiner from a list of 50 persons out of which 20 are women, 10 of them knowing Hindi and 15 of them are teachers. What is the probability of the university meeting a Hindi-knowing women teacher? 3

- b) 'A' speaks truth in 60 % cases and 'B' in 70% cases. In what parentage of cases are they likely to contradict each other in stating the same fact ? 3

2018

CSM — 3/18
General Studies
Paper — I

Time . 3 hours Full Marks : 300

The figures in the right-hand margin indicate marks.

Answer all questions.

1. Answer any three of the following : 10x3 = 30
- a) How did Lord Ripon develop Local Self Government in India ?
 - b) Give an account of the Swadeshi Movement.

- c) What were the proposals in the Government of India Act, 1935 regarding an All India Federation ?
- d) Trace the circumstances leading to the Quit India Movement.
2. Write short notes on any four of the following choosing two out of (a), (b) and (c) and two out of (d), (e) and (f): $5 \times 4 = 20$
- a) Contribution of Dadabhai Naoroji to India's Struggle for Freedom
 - b) Role of Netaji Subhash Chandra Bose in India's Freedom Struggle
 - c) Popularisation of Widow Remarriage and Prohibition of Child Marriage
 - d) Role of Gopabandhu Das in the Non- Cooperation Movement in Odisha
 - e) Contribution of Sarala Devi to the struggle for India's independence in Odisha
 - f) Brahmo Movement in Odisha
3. Answer any two of the following questions : $10 \times 2 = 20$
- a) Discuss the development of literature and science during the rule of Gupta dynasty
 - b) "Mughal Painting reached its zenith during the reign of Jahangir" — explain with reference to its progress under the earlier Mughal rulers of India.
 - c) Examine the impact of the West on India's social system, religious reformation, scientific outlook and economic life.
3. Answer any two of the following questions: $10 \times 2 = 20$
- a) Describe the architecture of Mukteswar Temple of Bhubaneswar.
 - b) Discuss the history and characteristics of Odissi Dance.
 - c) Evaluate the works of Christian Missionaries in Odisha.
5. Answer any two of the following questions in about 150 words each : $10 \times 2 = 20$
- a) Explain the significance of railway transport on Indian economy.
 - b) Evaluate the impacts of internal river linkage projects on Indian agricultural system.
 - c) Describe the origin of Nor' Westers in Eastern India.
 - d) How is volcanic eruptions in India explained by tectonic theory?
6. Write notes on any four of the following : $5 \times 4 = 20$
- a) Describe geographical causes of decay of Baitarani River system in the recent past.
 - b) Explain ecological impacts of mangrove forest in Odisha Coast.
 - c) Justify the location of Rourkela Steel Plant in Odisha.
 - d) Assess the impacts of Chilika Lake on the local economy of Odisha.
 - e) How do irrigation plans influence the local agricultural Development in different parts of Odisha?
7. Answer any three of the following questions in about 200 words each : $10 \times 3 = 30$
- a) 'The right to constitutional remedies is often described as the most fundamental of all the fundamental rights.' Explain.
 - b) Examine the relevance of the Fundamental Duties of an Indian citizen as contained in Part IVA of Indian Constitution.
 - c) Discuss the basic structure of Indian Constitution.
 - d) Find out the unitarian features of Indian Federation.

8. Answer any three of the following questions in about 100 words each : $10 \times 3 = 30$

- a) Examine the nature of Judicial Review system in India.
- b) Examine the provisions under Art-356 of Indian Constitution.
- c) Is it correct to say that 'Governor of a State is like a bird in the golden cage' ?
- d) Discuss, in brief, the appellate jurisdiction of State High Court.

9. Answer any six of the following questions in about 50 words each : $5 \times 6 = 30$

- a) Examine "the role of Chief Minister of Odisha.
- b) Discuss the composition of Odisha Vidhan Sabha.
- c) Explain the functions of Council of Minister in Odisha.
- d) Examine the functions of State Information Commission in Odisha.
- e) Write a brief note on the functions of the Chairman of a Panchayat Samiti in Odisha.
- f) Examine the sources of revenue for a Gram Panchayat in Odisha.
- g) How does the Government exercise control over Gram Panchayats in Odisha ?
- h) Explain the composition of a Zilla Parishad in Odisha.

10. Answer all questions:

(a) Answer any two of the following : $5 \times 2 = 10$

- (i) Explain about Demographic transition.
- (ii) Discuss about quantitative methods in Demography.
- (iii) Analyse the prospects and problems in Human Resource Development.

(b) Explain the concept of Human Resource Development and discuss about the recent scenario of Human Resource Development in India. 10

9. Answer the following :

- (a) What is Social Exclusion ? Explain the types and contributors of social exclusion. 10
- (b) What is Drug Addiction ? Discuss about the consequences of drug abuse. 5
- (c) Write a note about the status of School Education in Odisha State. 5

12. Answer any two of the following questions : $10 \times 2 = 20$

- (a) Explain how does Indian Constitution protect Minority rights.
- (b) Explain the response of India to the issue of Rohingya Refugees to safeguard national internal security.
- (c) Write about insurgency and other issues relating to North-East India.

13. Write a note on Cultural Heritage and Vandalism. Discuss the steps taken by Government of India to preserve its cultural Heritage. 10

14. Explain the composition and role of National Institution for Transforming India (NITI) Aayog in India's Socio-economic change. 10

CSNI - 4/18
General Studies
Paper - II

Time : 3 hours Full Marks : 300

The figures in the right-hand margin indicate marks.

Answer all questions.

1. Answer any two of the following : 10x2 = 20

- (a) Examine the status of India's relations with Bangladesh.
- (b) Discuss the peace building initiatives of India and Pakistan in Jammu & Kashmir.
- (c) Examine the Nine Point Agenda suggested by India to G-20 countries in Buenos Aires on 'Fugitive Economic Offenders'

2. Answer any one of the following : 10

- (a) Examine the challenges of external security threats posed by India's neighborhood.
- (b) Explain China-Pakistan factor as a threat to India's external security.

3. Answer any one of the following : 10

- (a) Explain how far India's Nuclear Doctrine is relevant to challenges of current times.
- (b) Examine the salient features of India's Nuclear policy.

4. Answer any one of the following : 10

- 1. Explain how far Indian investment abroad is strengthening Indian Economy.
- 2. Examine the statement "India becomes wealthier if more Indians leave the country to settle abroad".

5. Answer any three of the following : 10x3 = 30

- (a) Assess the impact of economic liberalization of 1991 on the occupational structure in India.
- (b) "India is a fast transforming knowledge economy." Discuss the statement.
- (c) How are the principles followed by the NITI Aayog different from those followed by the erstwhile Planning Commission in India ?
- (d) Critically evaluate inclusiveness and sustainability of growth as the development strategy in India in recent times.
- (e) Explain the performance of corporate sector in economic reform period in India.

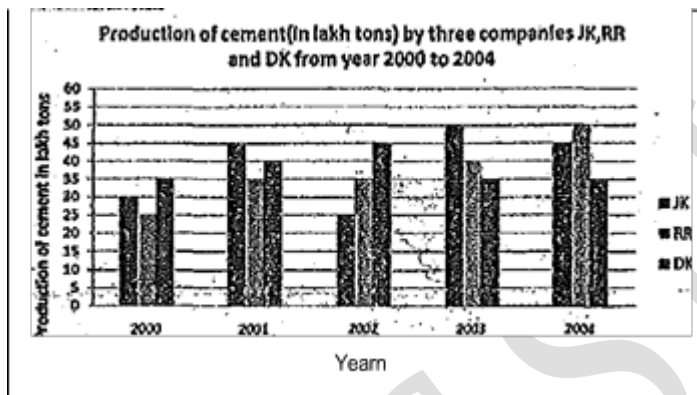
6. Answer any three of the following : 10•3 = 30

- (a) What do you mean by monetary policy transmission ? Discuss the impediments to monetary policy transmission in India.
- (b) How are India's exports and imports likely to be affected .by changes in the real exchange rate of the Indian economy ?
- (c) Illustrate, in brief, the composition of India's imports during the economic reforms era.
- (d) Explain the term 'Demonetisation'. Assess the effects of demonetisation of the economy and on black money.

- (e) Describe the salient features of TRIMS. How has it impacted the textile and clothing sector in India ?
7. Answer any two of the following : $15 \times 2 = 30$
- (a) Elucidate the key features of the economic development of Odisha during the post Reform period.
 - (b) What do you understand by regional disparity ? Examine the steps taken by the Government of Odisha to minimize regional disparity.
 - (c) Give an account of the growth of steel industries in Odisha and discuss the problems faced by the steel industries of Odisha in procuring raw materials.
8. Answer any four of the following : $5 \times 4 = 20$
- a) China blocks listing of Azhar Masood as global terrorist
 - b) Gandhi statue removed in Ghana
 - c) Bulgaria rejects UN migration plan
 - d) India Quietly Seals Missile Deal with Russia
 - e) Mugabe's forced resignation in Zimbabwe
 - f) European nations recognize Guaido as interim President of Venezuela
9. Answer any four of the following : $5 \times 4 = 20$
- a) Define Human Rights and discuss about International Human Rights Law.
 - b) Examine the Social Security System of International Labour Organization.
 - c) Discuss the benefits of Britain being in the EU or leaving it.
 - d) Examine SAARC's impact on Indian Economy.
 - e) Discuss the objectives and role of World Health Organization.
 - f) Examine the criticism on International Court of Justice.
10. (a) Answer the following questions in 50 words each : $6 \times 5 = 30$
- (i) What is Graphene ? Discuss the potential applications of graphene.
 - (ii) What is Ebola Virus Disease ? In which continent is this found ? How is Ebola treated ?
 - (iii) Write a note on "Atoms for Peace".
 - (iv) What is MRI ? Explain its applications.
 - (v) What is the significance of solid state battery cells ?
- (b) Answer the following questions in 50 words each : $6 \times 5 = 30$
- (i) Describe, briefly, the different forms of optical telecommunication.
 - (ii) Explain briefly the role of antenna in communication system.
 - (iii) What is ISRO ? What are its main objectives ?
 - (iv) "Space technology is improving our lives and making the world a better place" — discuss briefly giving examples.
 - (v) What do you mean by PSLV ? What is its role in the development of communication system ?
- (c) Answer the following questions in 50 words each : $6 \times 5 = 30$

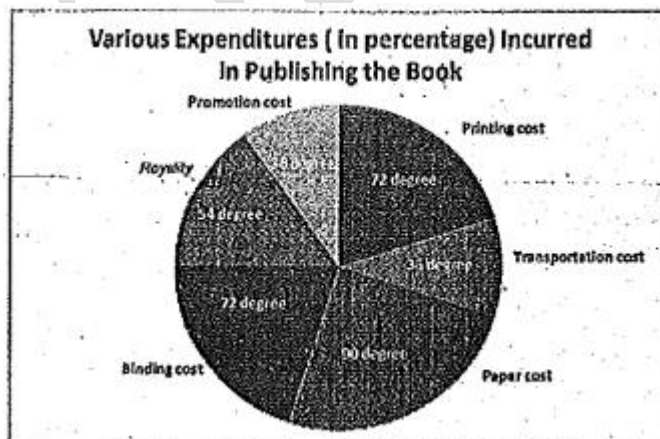
- (i) What is a virus? Explain how computers can be protected free of virus using antivirus software.
- (ii) What is Number System + Discuss how to do conversion from one number system to another giving suitable example.
- (iii) Discuss how a program is executed in a computer. Explain the corresponding components.
- (iv) What is Computer Memory? Discuss types of memory. Explain the units to measure computer memory.
- (v) What is a Super Computer? Explain the objectives and prosperous steps taken by Odisha Government for setting up of super computers?

11. The multiple bar diagrams given below shows the production of cement (in lakh tons) by three different companies JK, RR and DK over the years 2000 to 2004. Study it and answer the questions :



- a) What is the ratio of average production of company JK in the period 2002-2004 to average production of company RR in the same period? 3
- b) Find out the average production for five years for each company. Hence find out the median of the production of company DK. 3

12. The following pie chart shows the percentage distribution of the expenditure incurred in publishing the book. Study the pie chart and answer the question based on it:



- a) If for a certain quantity of books, the publisher has to pay Rs. 30,600 as printing cost, then what will be the amount of royalty to be paid for these books? 3
- b) If 5500 copies are published and transportation cost of them amount to Rs. 32,500, then what should be the selling price of the book so that the publisher can profit of 25%? 3
13. In a batch of 15 students, three students are failed in a test. The marks who have passed were : 90, 65, 48, 67, 72, 65, 47, 40, 59, 60, 50, 55
- a) Find the average mark of the batch students. 3
- b) How many students secured, more than 75th percentile of mark ?
14. In a certain office, a page is typed by A in 4 minutes. The same page is typed by B, C and D in 5, 6 and 10 minutes respectively.
- a) What is the average time to complete one page ?
- b) How many pages do you expect to be typed in one day comprising 8 working hours ? 3
15. The odd against A speaking the truth are 4 : 6 while the odd in favour of B speaking the truth are 7 : 3 :
- a) What is the probability that A and B contradict each other stating the same fact? 3
- b) A and B do not contradict each other stating the same fact ? 3