

Total No. of Printed Pages-7]

Roll No. _____

CC(M)

ENGLISH

(COMPULSORY)

[01]

Time Allowed - Three Hours

Maximum Marks-300

INSTRUCTIONS

Please read each of the following instructions carefully before attempting questions.

- i) Candidates should attempt All questions as per the instructions given.*
- ii) The number of marks carried by each question is indicated at the end of the question.*
- iii) Attempt of a part/question shall be counted in sequential order. Unless struck off, attempt of a part/question shall be counted even if attempted partly. Any page or portion of the page left blank in the Question-Cum-Answer Booklet must be clearly struck off.*
- iv) Answers must be written in **ENGLISH** only.*
- v) Word limit in questions, wherever specified, should be adhered to.*
- vi) Your answer should be precise and coherent.*
- vii) If you encounter any typographical error, please read it as it appears in the text book.*
- viii) Candidates are in their own interest advised to go through the General Instructions on the back side of the title page of the Question-Cum-Answer-Booklet for strict adherence.*

1. **Write an Essay in about 600 words on any one of the following:** (100)
- (a) Climate Change: Fact or Fiction?
 - (b) Redefining Leadership: Evolution of Women Leaders.
 - (c) Skilling the Youth for Nation Building.
 - (d) India's Role in the Emerging World Order.

2. **Read carefully the passage given below and write your answers to the questions in clear, correct and concise language: (word limit 65-70 words) (5×15=75)**

Margaret Fuller, a New England mystic, once said, 'I accept the universe' to which Thomas Carlyle remarked, 'Gad, she'd better.' I have got to accept the universe as it is. I must not require the impossible, and I shall do harm rather than good if I try to imagine perfect things in a perfect world. But given the world as it is, I can say what I may reasonably hope both for myself and for others.

I was born in a peaceful age, and in my youth I looked forward to a life of peace. Since 1914 I have been living in a heroic age, and I see no prospect of surviving into another epoch of peace and quiet. So I must try to make the best of the time in which I live. What do I ask for myself? I assume that I have food, water, clothes and shelter.

First, work, and a decent wage for my work. Aristotle defined happiness, not as a sum of pleasures, but as unimpeded activity. I want work which is hard but interesting, work of which I can see the fruits. I am exceptionally lucky because I can choose my own work to a large extent. If I want a respite from science I can go and be a war correspondent, or write children's stories, or make political speeches.

So I enjoy a good deal of my second requirement, freedom, in fact vastly more than most people. But I still want more, particularly more freedom of speech. I should like to say and write what I think about Lord Blank's newspapers, Mr. Dash's pills, and Sir John Asterisk's beer, all of which are poisonous. The law of libel prevents me from doing so.

I require health. I don't mind an occasional toothache or headache, or even an acute illness every seven years or so. But I want to be fit for work and enjoyment in the intervals, and to die when I can work no longer.

I require friendship. Particularly I require the friendship of my colleagues and comrades in scientific and political work. I want the society of equals who will criticize me, and whom I can criticize. I cannot be friends with a person whose orders I have to obey without criticism before or after, or with one who has to obey my orders in a similar way. And I find friendship with people much richer or poorer than myself.

These four things are general human needs. For myself I also demand adventure. Life without danger would be like meat without mustard. But since my life is useful it would be wrong to

risk it for the mere sake of risk, as by mountaineering or motor racing. As a physiologist I can try experiments on myself and I can also participate in wars and revolutions of which I approve. By the way, love of adventure does not mean love of thrills. I spent six weeks in Madrid during the recent siege. The only thrill that I got there was from reading Rimbaud's poetry. The satisfaction of adventure is something much more solid than a thrill.

There are other things which I desire, but do not demand. I like to have a room of my own with some books, good tea, a motor car, and a daily bath. I should like to have a garden, a bathing pool, a beach, or a river within easy reach. But I have not, and I bear up quite happily.

I am an exceptionally lucky person because I get a good deal of what I want, and can work actively for the rest. But most of my fellows do not enjoy what I regard as essential requirements. And I cannot be completely happy while they are unhappy.

- i) Why is it good to accept the universe as it is?
- ii) Which things does the writer look forward to in the future?
- iii) What does the law of libel prevent the writer from doing?
- iv) Why does the writer consider adventure important for himself?
- v) Do you think that the writer is a happy-go-lucky kind of a person?

3. Make a précis of the following passage in one-third of its length. The précis must be written in your own words. A title to the précis is not required. (75)

The war which began so hesitatingly in 1930 was in the first two phases a purely European struggle. Later, however, it began to spread far beyond Europe, and after the entry of the United States and Japan it became almost worldwide in range.

Compared with the First World War, it was even more a war of machines and much less an infantry and artillery slogging match. The vital parts were played by aircraft, tanks, submarines, and anti-submarine devices. Consequently, except in Russia, the casualties were much lighter than in the earlier war, despite the greater destructive power available. Again, except for the Russian front, the second was much less a land war than the first. Sea power and naval warfare played an even more important role, and air power and air protection to sea and land forces were also vital. Yet despite the importance of air power, it proved incapable of playing a decisive role on its own, as had been expected by many people. The German seizure of Crete in the spring of 1941 was the only example of an operation carried through by air power alone, and it proved extremely costly. Even massive and sustained aerial bombardment of cities had relatively little effect until the advent of the atomic bomb at the very end of the war.

Except to a limited extent on the Russian front, the warfare was much more fluid and mobile, and fixed positions and lines of defense played a much less important part. There was no repetition of the long stalemate of the Western Front. The rapid overthrow of France despite the Maginot Line showed that in a modern blitzkrieg, with the coordinated use of tanks and aircraft, the advantage had swung back to the attacker. The increased mobility of war was demonstrated very strikingly in the first year, when the German Army overran Poland in little more than a fortnight and France in little more than a month, and again in the deserts of Egypt And Libya, where, between the autumn of 1940 and the spring of 1943, the British Eighth Army and the Italians, soon reinforced by the German Afrika Korps, chased one another to and fro until, after the Allied landing in French North Africa in November 1942, the German and Italian forces were eventually caught between two fires.

In some ways the Second World War resembles the Napoleonic Wars more than it does the First. Both were struggles against the expansionist mania of one man. In both there was a long period of stalemate between the dominant land power and the dominant sea power while neither could get to grips with the other by landing in force on his shores. Between the withdrawal of the British forces from France in June 1940 and their return four years later there was no direct contact between the land forces in Western Europe apart from occasional commando raids.

During these four years of exclusion from Europe, the British Army had no direct contact with the Germans except in the Middle East and the Mediterranean area, where relatively small forces were engaged. The war at sea and the air continued in deadly earnest, however, and here Britain was in a far more exposed position than in 1914-18. The whole coast of Western Europe from North Cape to the Pyrenees, was in enemy hands, affording refuge for his submarines and airfields for his bombers. The result was that the U-boat danger was far more sustained than in 1914-18, when it became acute only for a relatively short period in 1917 and was quickly ended by the introduction of the convoy system. In the second war, however, despite the use of convoys from the start, the Battle of the Atlantic, as Churchill called the U-boat war, continued to be a desperate struggle for over three years. Indeed, the submarine attacks on shipping proved to be a far greater menace to British survival than the more spectacular bombing attacks on cities, which had been regarded with the greatest apprehension before the war. Indeed, the severe bombing attacks were concentrated in a period of less than twelve months, between September 1940 and May 1941, followed by a last kick in June-October 1944, in the shape of the bomb and rocket attacks on South-East England from bases in Northern France and Holland.

4. a) **Rewrite the following sentences after making necessary corrections. Do not make unnecessary changes in the original sentence.** (10×1=10)

1. I have visited Delhi last weekend.
2. We cleaned all the house while our parents were out to watch a film.
3. One of the most important issue is the lack of parking space in the markets.

4. I have a good news.
5. She went to work despite of having fever.
6. Do not advice her, she will not listen to you.
7. I prefer mocha than cappuccino.
8. A large number of sheeps are grazing in the pastures.
9. She hasn't seen her father since twelve years.
10. She's having many pens in her purse.

b) Supply the missing words.

(5×1=5)

1. The twins resemble each other a lot. You can't _____ the difference between them.
2. He _____ from work at the age of 58, like most men do.
3. Please make yourself _____ home.
4. I am an experienced therapist, so let me give you a _____ of advice.
5. I can't _____ people who tell lies.

c) Use the correct form of verbs given in the brackets.

(5×1=5)

1. She usually _____ her homework at night. (do)
2. They _____ here next week. (come)
3. Her company is greatly _____ after. (seek)
4. When I reached the station, the train _____. (leave)
5. I would have read the email if I _____ it was from her. (know)

d) Give the antonyms of the following:

(5×1=5)

1. Unfetter
2. Clandestine
3. Lionize
4. Taciturn
5. Demurrer

5. a) Rewrite each of the following sentences as directed without changing the meaning: (10×1=10)

1. Finding himself in trouble he went to his Principal for help.. (Change into compound sentence)
2. I shall return. I shall not be long. (Combine using adverb or adverbial phrase)
3. You will be protected by the law. (Change into active voice)
4. The teacher said, "The earth is round." (Change into indirect speech)
5. She is hospitable to a fault. (*Use too*)
6. The police insisted on the *forfeiture* of his license. (Use the verb form)
7. It is *too* hot to move out. (Remove *too*)
8. As soon as I reached the station, the train started. (Transform into negative form)
9. *As soon as* he saw the lion, he took to his heels. (Replace *as soon as* with *no sooner did- than*)
10. It is never too late to mend. (Transform into affirmative form)

b) Use the following words to make sentences that bring out their meaning clearly. Do not change the form of the words. (Ambiguous and meaningless sentences will not be awarded) (5×1=5)

1. Indecorous
2. Execrate
3. Penitence
4. Rectitude
5. Sanguine

c) Choose the appropriate words to fill in the blanks.

(5×1=5)

1. I _____ the contents of the agreement by tomorrow. (will read/read)
2. She never _____ about her future. (spoke/speaks)
3. They _____ her and trusted her for years. (known/knew)
4. The Titanic _____ in less than six hours. (sunk/sank)
5. I _____ her since morning. (have been ringing/ringing)

d) Use these idioms/phrases in sentences of your own to bring out their meaning clearly. Do not change the form of the words.

(5×1=5)

1. Fly in the ointment
 2. To dance attendance upon
 3. Between Scylla and Charybdis
 4. Run the gauntlet
 5. To go at it hammer and tongs
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Total No. of Printed Pages-2]

Roll No. _____

CC(M)
ESSAY
(COMPULSORY)
[02]

Time Allowed - Three Hours

Maximum Marks-250

INSTRUCTIONS

Please read each of the following instructions carefully before attempting questions.

- (i) Write TWO Essays, choosing ONE from each of the Section A and B, in about 1000-1200 words each.*
- (ii) The Essay must be written in English medium in the Question-Cum-Answer (QCA) Booklet in the space provided. No marks will be given for answers written in medium other than the authorized one.*
- (iii) Word limit, as specified, should be adhered to.*
- (iv) Any page or portion of the page left blank in the Question-Cum-Answer Booklet must be clearly struck off.*

Write **TWO** Essays, choosing **ONE** from each of the **Sections, A and B**, in about **1000-1200** words each. **(2×125=250)**

SECTION - A

1. The opposite of poverty is not wealth. In too many places, the opposite of poverty is justice.
2. We are not above nature, we are a part of nature.
3. Poetry is nearer to vital truth than history.
4. E-governance succeeds when affordability, access, assurance and accountability are delivered.

SECTION - B

1. The greatest threat to our planet is the belief that someone else will save it.
 2. Privatization of profit-making public sector: a boon or bane?
 3. Gender equality is the unfinished business of the 21st century.
 4. The power to question is the basis of all human progress.
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Total No. of Printed Pages-3]

Roll No. _____

CC(M)
GENERAL STUDIES
(OPTIONAL)
PAPER - I
[03]

Time Allowed - Three Hours

Maximum Marks-250

INSTRUCTIONS

Please read each of the following Instructions carefully before attempting the paper.

- i) *There are Twenty questions. All questions are compulsory.*
- ii) *Answers to Questions no. 1 to 10 should be in 150 words, whereas answers to Questions no. 11 to 20 should be in 250 words.*
- iii) *Keep the word limit indicated in the questions in mind.*
- iv) *If you encounter any typographical error, please read it as it appears in the text book.*
- v) *Candidates are in their own interest advised to go through the general instructions on the back side of the title page of the Answer Script for strict adherence.*
- vi) *No continuation sheets shall be provided to any candidate under any circumstances.*
- vii) *No blank page should be left in between answers to various questions.*

[Indian Heritage and Culture, History and Geography of the World and Society]

1. Write a note on collective memory as India's valuable intangible heritage. [150 words] (10)
2. Discuss the salient features of stupa architecture. [150 words] (10)
3. Write a note on the local self government under the Cholas. [150 words] (10)
4. Discuss the role of Raja Ram Mohan Roy in the socio-religious awakening of 19th century India. [150 words] (10)
5. Discuss the relevance of Guru Nanak's teachings in 21st century. [150 Words] (10)
6. Aryan invasion is a myth or reality? Justify your answer. [150 words] (10)
7. Differentiate the causes of landslides between Himalayan region and Western Ghats. [150 words] (10)
8. Discuss the multidimensional implications of uneven distribution of mineral resources in the world. [150 words] (10)
9. Our earth is a playfield of two opposite geomorphic processes. Discuss [150 Words] (10)
10. How far has linguistic diversity helped in strengthening Indian unity? [150 Words] (10)
11. Hampi is appropriately know as "the city etched in stone". Explain this site's architectural and historical significance. [250 Words] (15)
12. Write a note on the Mansabdari System under the Mughal rulers. [250 Words] (15)
13. Discuss Ashoka's policy of dhamma as gleaned from his edicts. [250 words] (15)
14. Write salient features of Indo-Islamic architecture. [250 words] (15)
15. Evaluate the role of Sardar Vallabhbhai Patel in the merger of the princely states of India. [250 Words] (15)
16. Why is Indian regional navigational satellite system needed? How does it work? [250 words] (15)

17. Urbanization and migration are causing feminisation of agriculture sector in India. In the light of the statement, discuss the socio-economic impact of feminisation of agriculture sector? [250 words] (15)
 18. What do you understand by seismic noise? Discuss its impact on the seismic activities on earth surface? [250 Words] (15)
 19. Explain cloud seeding and its associated forms, structure and environmental concerns associated with it. [250 words] (15)
 20. Explaining the problems faced by the sugar industry in India, account for the measures taken by the government to support it. [250 Words] (15)
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Total No. of Printed Pages-3]

Roll No. _____

CC(M)
GENERAL STUDIES
(OPTIONAL)
PAPER - II
[03]

Time Allowed - Three Hours

Maximum Marks-250

INSTRUCTIONS

Please read each of the following Instructions carefully before attempting the paper.

- i) There are Twenty questions. All questions are compulsory.*
- ii) Answers to Questions No. 1 to 10 should be in 150 words, whereas answers to Questions No. 11 to 20 should be in 250 words.*
- iii) Keep the word limit indicated in the questions in mind.*
- iv) If you encounter any typographical error, please read it as it appears in the text book.*
- v) Candidates are in their own interest advised to go through the general instructions on the back side of the title page of the Answer Script for strict adherence.*
- vi) No continuation sheets shall be provided to any candidate under any circumstances.*
- vii) No blank page should be left in between answers to various questions.*

[Governance, Constitution, Polity, Social Justice and International Relations]

1. "Good governance is to devise instruments to ensure hundred percent delivery of welfare measures directly to the intended beneficiaries without any pilferage." Elucidate [150 Words] (10)
2. 'Competitive elections are a necessary condition for the functioning of democracy.' Discuss the journey of India's electoral democracy in the light of the above statement. [150 Words] (10)
3. Examine the importance of Collegium system in the light of Chief Justice D.Y. Chandrachud's assertion that "the executive must show constitutional statesmanship and avoid public grandstanding." [150 Words] (10)
4. Discuss the importance of amendment procedure in Indian constitution in the light of the Peoples' Interest Litigation that challenges the first amendment of the constitution in 1951. [150 words] (10)
5. India and France have achieved a robust strategic partnership. Discuss it in the light of the recent joint exercises between the two countries. [150 Words] (10)
6. Critically examine how the forceful expansion of reservation in recent decades has been fed by an increasing politics of caste assertions. [150 words] (10)
7. China Pakistan Economic Corridor (CPEC) encroaches upon India's sovereignty. Elaborate [150 words] (10)
8. Since the threat across the Line of Actual Control has not diminished, India may continue its aggressive posture towards China. Comment. [150 Words] (10)
9. "The Regional Comprehensive Economic Partnership (RCEP) is envisaged as a way to bolster trading ties among nations across Asia-Pacific." Elaborate. [150 Words] (10)
10. Keeping in view the recent inter-state disputes between few Indian states, there is a clarion call for a vigorous institutional mechanism. Discuss. [150 Words] (10)
11. Inclusivity and cooperation for common good will be the core of India's mission as President of Group of 20 (G-20). Discuss. [250 Words] (15)
12. "Asia must not become arena for 'big power contest'. Elucidate the statement in the light of power rivalry among world powers in South Asia and the Indo-Pacific. [250 words] (15)

13. There is potential to lift India and the UK into a higher orbit of beneficial growth. Elucidate in light of impending India-UK free Trade Agreement. [250 Words] (15)
14. India's outreach to African countries is going to augur well for the country's foreign policy. Discuss it in the context of Egyptian President's visit to India in January 2023. [250 Words] (15)
15. Evaluate India-USA relationship in the changing global order? [250 Words] (15)
16. Analyse five important lessons of the Covid-19 pandemic that has brought about a paradigm shift in global economic and strategic order. [250 Words] (15)
17. Discuss the need to tighten the noose against terror financing in the light of the 3rd "No Money for Terror Ministerial Conference on Counter-Terrorism Financing." [250 Words] (15)
18. India must capitalize on ASEAN's eagerness to engage. Elaborate [250 Words] (15)
19. India can play the role of "peacemaker" in the Russia Ukraine conflict justify this statement in light of indian foreign minister's visit to Russia in the first week of November 2022 [250 Words] (15)
20. Do You agree that Asian continent has become the hub of geopolitics, geostrategy and geoeconomics. [250 Words] (15)

Total No. of Printed Pages-3]

Roll No. _____

CC(M)
GENERAL STUDIES
(OPTIONAL)
PAPER - III
[03]

Time Allowed - Three Hours

Maximum Marks-250

INSTRUCTIONS

Please read each of the following Instructions carefully before attempting the paper.

- i) *There are Twenty questions. All questions are compulsory.*
- ii) *Answers to Questions No. 1 to 10 should be in 150 words, whereas answers to Questions No. 11 to 20 should be in 250 words.*
- iii) *Keep the word limit indicated in the questions in mind.*
- iv) *If you encounter any typographical error, please read it as it appears in the text book.*
- v) *Candidates are in their own interest advised to go through the general instructions on the back side of the title page of the Answer Script for strict adherence.*
- vi) *No continuation sheets shall be provided to any candidate under any circumstances.*
- vii) *No blank page should be left in between answers to various questions.*

[Technology, Economic Development, Bio-diversity, Environment, Security and Disaster Management]

1. What do you understand by “net neutrality”? Discuss the advantages and disadvantages of regulating net neutrality in India. [150 Words] (10)
2. Explain the causes, consequences and solutions to depreciation of Indian rupee in recent times. [150 Words] (10)
3. Elaborate the role of digitization of Indian Economy through apps like UPI, Bhim, G pay etc in consolidation and growth of Indian economy. [150 Words] (10)
4. India is the fifth largest economy in the World. What are the drivers and way ahead? [150 Words] (10)
5. ‘One Nation One Ration Card’ (ONORC) scheme enables migrant workers and their families to access the Public Distribution System (PDS) and benefits from any fair price shops across the country. Comment [150 Words] (10)
6. The International Monetary Fund (IMF) projects that India would become a US\$ 5 trillion economy by 2026-27. Comment [150 Words] (10)
7. Hydrogen is being considered as the potential renewable source of energy and the use of hydrogen fuel cells is significant in this context. Discuss their merits and demerits. [150 Words] (10)
8. What are green bonds? Discuss the environmental implications of sovereign green bonds in India. [150 Words] (10)
9. What is IRNSS-NaVIC? Discuss the role of IRNSS-NaVIC programme on the satellite navigation system of India. [150 Words] (10)
10. Discuss the high-altitude environmental hazards with suitable examples and with special reference to Joshimath. What risk reduction measures are required to prevent a disaster like Joshimath? [150 Words] (10)
11. Technology transformations and breakthroughs are poised to bring an entirely new paradigm for cyber security. In the light of the above statement, elaborate the role of technology in cyber security. [250 Words] (15)
12. What is Geospatial Technology? Discuss its significance and applications. What are the challenges in effective use of geospatial information? [250 Words] (15)
13. India leads the world in real-time digital payments. Discuss. [250 Words] (15)
14. *Atma Nirbhar Bharat Abhiyan* will promote self-reliance and self-sufficiency in India. Comment. [250 Words] (15)
15. Critically evaluate ‘Gig Economy’ in the formal and informal sectors in India. [250 Words] (15)

16. Explain how MSMEs (Micro, Small and Medium Enterprises) are major drivers of economic growth in India but much neglected in receiving production-linked incentives. [250 Words] (15)
 17. Do you think adopting sustainable agricultural practices in India is more important now than ever? [250 Words] (15)
 18. What is net-zero and why is it important? India's net-zero commitments must be backed by credible actions. Discuss. [250 Words] (15)
 19. How cloud burst occurs? What are its consequences? Suggest measures for the disaster risk reduction and management due to cloud burst. [250 Words] (15)
 20. What are the advantages and disadvantages of electric mobility? Discuss the significance and barriers of the National Mission for Electric Mobility. [250 Words] (15)
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Total No. of Printed Pages-4]

Roll No. _____

CC(M)
GENERAL STUDIES
(OPTIONAL)
PAPER - IV
[03]

Time Allowed - Three Hours

Maximum Marks-250

INSTRUCTIONS

Please read each of the following Instructions carefully before attempting the paper.

- i) *There are Twelve questions divided into Two sections.*
- ii) *All questions are compulsory.*
- iii) *Marks carried by a Question/Part are indicated against it.*
- iv) *Word limit in questions, wherever specified should be adhered to.*
- v) *Any page or portion of the page left blank in the Question-Cum-Answer Booklet must be clearly struck off.*
- vi) *Answer must be written in English in the Question-Cum-Answer (QCA) Booklet in the space provided.*

SECTION - A

1. a) The problem of identity is created due to the false ego. Give your answer to this. (150 words) (10)
b) Socrates said, "An unexamined life is not worth living". Do you believe in this theory? Give reasons for it. (150 words) (10)
2. a) Discuss the ethical issues involved in digital method of education. Do you think it is advantageous for the economically weaker sections of the society? (150 words) (10)
b) Gratitude and empathy are two fundamental concepts within ethical theories. The present generation has forgotten this. What are the necessary conditions required to bring it back? (150 words) (10)
3. a) Corporate Social Responsibility (CSR) represents the humane side of the Corporate sector. Give your views. (150 words) (10)
b) Explain what you mean by environmental justice in general and why it is important. Give at least one example of environmental injustice. (150 words) (10)
4. a) It is said that "Duties are better than rights". Comment. (150 words) (10)
b) Do you agree that a morally strong person spreads positive vibes in the society and guides it in the right direction? (150 words) (10)
5. a) Western Countries preach something and profess something when the issue of environmental ethics is discussed at the global level. Comment. (150 words) (10)
b) The relations between India and Pakistan have descended to all-time low in the recent times. Keeping in view the recent economic crisis in Pakistan, do you think India should be generous enough to bail its neighbour out? (150 words) (10)
6. Discuss the moral of the following statements given below:
a) "The more we come out and do good for others, the more our hearts will be purified and God will be in them." Swami Vivekananda. (150 words) (10)
b) "Our object is the economic freedom of the producing classes; this ultimate goal will be attained after a long and bitter struggle; therefore, our primary task is to organize the masses and lead them in the struggle for economic freedom." (M. N. Roy). (150 words) (10)
c) "Caste, the community will rapidly disappear. We have to speedily forget all these things. Such boundaries hamper our growth". Sardar Vallabhai Patel. (150 words) (10)

SECTION - B

7. You are the manager of the automobile industry. One day one of the workers died on duty. His family was demanding compensation. However, the company denied compensation as it was revealed that he was drunk at the time of the incident. The workers of the industry went on strike demanding compensation for the family of the deceased. The chairperson of the management board has asked for your recommendation.
a) Identify the stakeholders and ethical issues involved.
b) What recommendations would you provide to the management? Discuss. (250 words) (20)

8. Ms. Jones is 93 years old and lives in a Long Term Care residence. She was admitted to the hospital with a fragility hip fracture after being found on the floor in the middle of the night. Ms. Jones has dementia and is unable to make her own decisions. She has limited mobility and previously used a walker. Her two daughters are at her bedside. They state her health has been declining over the last few weeks, with increasing confusion, and she now rarely leaves her room. On admission, the team discovered a pleural effusion, taking up much of her right lung. Her pre-operative assessment also revealed a heart murmur; the resulting echocardiogram demonstrated a heart in very poor condition, with significant valve issues. Between her cardiac and pulmonary function, the surgery poses an increased risk of perioperative complications - she may never survive the surgery or come off of the ventilator once she is intubated. Inter-professional teams (surgery, anaesthesia, nursing) are of differing opinions. The issue at hand is very difficult. The family is informed that the risk of not having surgery will likely result in death, yet in this patient's case, proceeding with surgery carries its own risk. The family is left with an hour to think things over. The stakeholders who are required to proceed through the decision-making process include the patient and family, the surgical team, anaesthesia, nursing staff, social work and potentially the palliative care team and bioethics team.
- Identify the stakeholders in this case.
 - Discuss the ethical issues involved here.
 - Whether the patient should proceed with surgery or not, given her underlying medical conditions and potential for perioperative complications. (250 words) (20)
9. A big corporate house is engaged in manufacturing industrial chemicals on a large scale. It proposes to set up an additional unit. Many states rejected its proposal due to its detrimental effect on the environment. But one state government acceded to the request and permitted the unit close to a city, brushing aside all opposition. The unit was set up 10 years ago and was in full swing till recently. The pollution caused by the industrial effluents was affecting the land, water and crops in the area. It was also causing serious health problems for human beings and animals. This gave rise to a series of agitation thousands of people took part in, creating a law and order problem necessitating stern police action. Following the public outcry, the State government ordered the closure of the factory. The closure of the factory resulted in the unemployment of not only those workers who were engaged in the factory but also those who were working in the ancillary units. It also very badly affected those industries which depended on the chemicals manufactured by it.
- Identify the ethical issues involved here.
 - As a senior officer entrusted with the responsibility of handling this issue, how are you going to address it? (250 words) (20)
10. Dr. X is a leading medical practitioner in the city. He has set up a charitable trust through which he plans to establish a super-specialty hospital in the city to cater to the medical needs of all sections of society. Incidentally, that of the State where the hospital is planned had been neglected over the years. The proposed hospital would be a boon for the region. You are heading the tax investigation agency of that region. During an inspection of the

doctor's clinic, your officers found some major irregularities. A few of them are substantial which had resulted in considerable withholding of tax that should be paid by him now. The doctor is cooperative. He undertakes to pay the tax immediately. However, there are certain other deficiencies in his tax compliance which are purely technical in nature. If these technical defaults are pursued by the agency, considerable time and energy of the doctor will be diverted to issues that are not so serious, urgent, or even helpful to the tax collection process. Further, in all probability, it will hamper the prospects of the hospital coming up. There are two options before you:

- a) Identify the ethical issues involved in the above mentioned case.
- b) Taking a broader view, ensure substantial tax compliance and ignore defaults that are merely technical in nature.
- c) As the head of the tax agency, which course of action will you opt and why?
(250 words) (20)

11. You are the head of a policy think-tank. There is a proposal to cut down more than 20,000 trees to build a residential colony in the capital of the country. The city has one of the highest homeless populations in the country and the settlement will be used for them. This news has generated a lot of public debate. While on the one hand there is the need to expand urban infrastructure in order to meet the demands of the growing population, on the other hand there is the environmental concern. In the last ten years, the city has lost more than half of its green cover and has seen an increased frequency of extreme climatic events. You are asked to deliver a lecture for the policy makers and concerned citizens, in which you have to specifically deal with the following questions:

- a) Why do you think such situations arise in the first place where developmental activities and environmental concerns often come out as antithetical to each other?
- b) What should be the short-term and long-term solutions for tackling such situations?
(250 words) (20)

12. We have known for several years that phthalates and BPA (Bisphenol A) both used in the manufacture of plastics, can leach from a flexible tubing, vinyl flooring, squeezable plastic toys, vinyl gloves, and carbonless register receipts. But recent studies suggest the largest source of phthalate and BPA exposure in humans is through the food supply. Canned food, processed food, meat and dairy products are exposed to BPA and phthalates during processing. It may be that most phthalate and BPA exposure in food occurs in processing and packaging before consumers bring it home. This is concerning because animal studies show that these chemicals function like hormones in our bodies and can lead to problems such as a version of attention deficit disorder, cancer, reproductive health and increased allergies. Federal regulation may be the only way to control contamination of the food supply by phthalates and BPA.

- a) Should we regulate the type of plastic used in food production and storage in India? Why or why not?
- b) Would you be willing to pay more for food if you knew it was safe?
(250 words) (20)