

## Development

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### Previous Years' CBSE Board Questions

**1. Suppose, the monthly income of the family members is as follows respectively: (2024)**

- Mother Rs. 50,000/-
- Father Rs. 40,000/-
- Daughter - Rs. 20,000/-
- Son - Rs. 20,000/-

The average income of the family would be:

- (a) Rs. 32,000/-
- (b) Rs. 30,000/-
- (c) Rs. 32,500/-
- (d) Rs. 33,000/-

**Answer:** (c) 32,500/-

**2. Which one of the following indices is given priority by the World Bank with respect to development ? (2024)**

- (a) Infant Mortality Rate
- (b) Equality
- (c) Body Mass Index
- (d) Per Capita Income

**Answer:** (d) Per capita Income

**3. How is the issue of sustainability important for development? Explain. (2024)**

**Answer:** i. Sustainability is important for development because it results in protecting the people against pollution ensuring their quality of life and health.

ii. Conserving the environment which is necessary for development.

iii. Development can be sustained in any economy by using renewable resources such as groundwater, wind energy and solar energy.

- iv. Groundwater is an example of renewable resource. These resources are replenished by nature as in the case of crops and plants. However, even these resources may be overused. For example, in the case of groundwater, if we use more than what is being replenished by rain then we would be overusing this resource.
- v. Non-renewable resources are those which will get exhausted after a few years of use. We have a fixed stock on earth which cannot be replenished. Over usage of resources need to be checked
- vi. Conservation of resources for the future generations. vii. We do discover new resources that we did not know earlier. New sources in this way add to the stock. However, over time, even this will get depleted/used.
- viii. Any other relevant point. Any three points to be explained.

### **What Development Promises -Different People, Different Goals; Income and Other Goals; National Development; How to Compare Different Countries or States?**

#### **MCQ**

1. Assume there are four families in a locality. If the monthly income of each family is 10,000, 20,000, 30,000 and 40000 then what is the average income of the locality. Choose the correct option from the following. (2023)
  - (a) 25,000
  - (c) 20,000
  - (b) 30,000
  - (d) 10,000
2. Which one of the following is a developmental goal of the factory workers? (2023)
  - (a) Better wages
  - (b) Better technology
  - (c) More hours of work
  - (d) More labour work
3. Suppose there are four families in your locality, the average per capita income of whom is 10,000. If the income of three families is 6,000; 8,000 and 14,000 respectively, what would be the income of the fourth family? (Term-1, 2021-22)
  - (a) 5,000

- (b) 10,000
- (c) 12,000
- (d) 15,000

4. Choose the correct option from Column A and Column B.

Column A	Column B
(a) Prosperous farmers from Punjab	(i) More days of work and better wages.
(b) Landless rural labourers	(ii) Availability of additional sources of irrigation facilities.
(c) Farmers who depend only on rain for growing crops	(iii) Higher support prices for their crops for farmers.
(d) A girl from a rich urban family	(iv) She gets as much freedom as her brother.

(2020)

5. Choose the incorrect option from column A and column B. (2020)

Column A (Category of person)	Column B (Developmental goals/ Aspirations)
(a) Landless rural labourers	(i) More days of work and better wages
(b) Prosperous farmers from Punjab	(ii) Availability of other sources of irrigation
(c) Farmers who depend only on rain for growing crops	(iii) Assured a higher support prices for their crops
(d) A rural woman from a land owning family	(iv) Regular job and high wages to increase her income

VSA (1/2 mark)

6. "Different persons can have different developmental goals." Support the statement with an example. (2023)
7. What may be a goal of landless rural labourers regarding their income? (Delhi 2019)
8. What may be a goal of prosperous farmer of Punjab? (Delhi 2019)
9. What may be a developmental goal of urban unemployed youth? (2019)
10. Why is average income considered as an important criteria for development? Give one reason. (2017)
11. What is the development goal of rural people of India as per your viewpoint? (2015)
12. What is the most common indicator for measuring economic development of a country? (2014)
13. If there are 4 families in a country with per capita income of \$15,000. The income of 3 families is \$10,000; \$20,000, and \$ 12,000. What is the income of the 4th family? (2014)
14. What is the advantage of knowing per capita income? Mention any one. (2014)
15. How is the average income of a country calculated? (2014)
16. State any two goals of development other than income.

**SAI (3 marks) (2014)**

17. What is the meaning of development? Explain the two aspects of development. (2017, 2015)
18. "For development, people look at a mix of goals". Support the statement with three suitable examples. (2016)

**OR**

"People have conflicting developmental goals". Support the statement with suitable examples. (2016)

19. Explain the factors on which the quality of life depend. (2016, 2015)

20. Which three development goals will you like to prescribe for rural labourers? (2015)
21. What is meant by economic development? What are the two bases of measuring economic development of a country? (2015)
22. State any three factors other than income that are important in life. (2015, 2014)
23. Why do we use averages? Are there any limitations to their use? Explain giving examples.

**LA (5 marks) (2014)**

24. What is development? Why do different people have different development goals? Explain with four examples. (2021 C, 2020 C, 2015)
25. "Different people have different goals of development". Explain the statement. (2020)
26. What is average income? What is its importance? Mention its limitations related to development. (2017)
27. What is the main criterion used by the World Bank in classifying different countries? Describe its limitations. (2017, 2016)
28. What is national development? What are the aspects covered under the national development? (2016)
29. Explain with example that there are other important development goals also besides income. (2014)

**Income and Other Criteria; Public Facilities**

**MCQ**

30. Which of the following countries has the highest 'Life Expectancy' at the birth? (2023)
- (a) Nepal
  - (b) Bangladesh
  - (c) India
  - (d) Pakistan

31. Which of the following countries has better rank in Human Development Index? (2023)

- (a) Afghanistan
- (c) India
- (b) Myanmar
- (d) Nepal

32. Read the following data and answer the question that follow:

Some comparative Data on Haryana, Kerala and Bihar			
State	Infant Mortality Rate (per thousand person)	Literacy Rate %	Net Attendance Ratio (per 100 person)
Haryana	30	82	61
Kerala	7	94	83
Bihar	32	62	43

How much is the Net Absence Ratio of Haryana ? Choose the appropriate option from the following: (2023)

- (a) 39
- (b) 27
- (c) 38
- (d) 18

33. Read the following statements about Human Development and choose the correct option:

(1) It is the composite Index prepared by United Nations Development Programme (UNDP).

(II) Parameters to measure it are Longevity, Literacy and Per Capita Income.

(III) Countries are ranked according to Developed and Low Developing countries.

(IV) World Bank also prepares report of Human Development on the basis of Quality of Life. (2023)

- (a) I and II
- (b) II and III

- (c) I and III  
(d) II and IV

34. Two statements are given below as Assertion (A) and Reason (R). Read the statements and choose the most appropriate option.

Assertion (A): Kerala has low Infant Mortality Rate.

Reason (R): Kerala has adequate provision of basic health and education facilities. (Term-1, 2021-22)

- (a) Both A and R are correct and R is the correct explanation of the A.  
(b) Both A and R are correct, but R is not the correct explanation of the A.  
(c) A is correct, but R is incorrect.  
(d) A is incorrect, but R is correct.

**VSA (1 mark)**

35. Define the term per capita income. (2020)

36. Define the term literacy rate. (2020)

37. Study the table and answer the question given below:

Some comparative data on Haryana, Kerala and Bihar			
State	Infant Mortality Rate per 1,000 live births (2016)	Literacy Rate % 2011	Net Attendance ratio (per 100 persons) secondary stage (age 14 and 15 years) 2013-14
Haryana	33	82	61
Kerala	10	94	83
Bihar	38	62	43

In comparison to Kerala which state has the highest infant mortality rate? (2020)

38. "Suppose the average income of a country is not being increased over time but the records of the National Income show a rise". What does this situation signify? (2020 C)

39. Fill in the blank: Human Development Index (HDI) level in India can be improved through, (2020)

40. Why Kerala has a low infant mortality rate? (2017, 2016, 2015)

41. In what respect is the criterion used by the UNDP for measuring development of the countries different from the one used by the World Bank? (2015)

42. What is the full form of HDI? (2015)

43. Explain the term Net Attendance Ratio. (2015, 2014)

44. What term is used for report published by UNDP which compares countries based on the education levels of the people, their health status and per capita income? (2014)

SAI (3 marks)

45. "Money cannot buy all the goods and services that a person may need to live well". Explain the statement with suitable examples. (2021 C, 2020, 2016)

46. Suggest any three ways to maintain Body Mass Index. (2020)

47. On the basis of which three indicators of HDI 2004 Sri Lanka has better rank than India? (2017,2016)

48. Explain the three Development Index. components of Human (2016, 2014)

49. Which three efforts should be made by any country to improve its HDI? (2016)

50. Explain the role of education and health in the overall development of a country. (2014)

LA (5 marks)

51. In what respect is the criterion used by the UNDP different from that of the World Bank? What are the limitations of the criterion used by the World Bank? (2021 C, 2017)

52. How is it that the average person in Punjab has more income than the average person in Kerala but it lags behind in many other crucial areas? Explain. (2017, 2016)

53. How can we ensure the sustainability of development in our country? Suggest any one way. (2014)

**Sustainability of Development**



**VSA (1 mark)**

54. State any one reason for overuse of resources. (2015)

55. "There is enough for everybody's need but not for everybody's greed." Who said these words? (2015)

**SAI (3 marks)**

56. 'The question of sustainability of development raises many fundamentally new issues about the nature and process of development. Explain it with examples. (2023)

57. What is sustainable development? Why is the issue of sustainability important for development? Explain. (2016, 2015)

58. Suggest any three measures for sustainable development. (2015)

59. "Sustainability of development is a new area of knowledge." Do you agree? Justify your answer. (2014)

**LA (5 marks)**

60. Why is the issue of sustainability important for development? Explain. (2020)

61. "Sustainability of development is a crucial aspect in present times". Support the statement with examples. (2020 C)

62. "Consequences of environment degradation do not respect national or state boundaries". Support the statement with example. (2019, 2016)

63. Explain the importance of sustainable development by giving the example of ground water. (2016, 2014)

64. What does sustainability of development mean? How can sustainable development be achieved? (2015)

65. Why is sustainable development essential? How does it help to prevent environment degradation? (2015, 2014)

66. 'The earth has enough resource to meet the needs of all but not enough to satisfy the greed of even one person. How is this statement relevant to the discussion of development? Explain. (2014)

## **CBSE Sample Questions**

### **What Development Promises - Different People, Different Goals; Income and Other Goals; National Development; How to Compare Different Countries or States?**

#### **MCQ**

1. Two statements are given below as Assertion (A) and Reason (R). Read the statements and choose the most appropriate option.  
Assertion (A): Different people have different development goals.  
Reason (R): People want freedom, equality, security and respect.
- (a) Both A and R are correct and R is the correct explanation of the A.
  - (b) Both A and R are correct, but R is not the correct explanation of the A.
  - (c) A is correct, but R is incorrect.
  - (d) A is incorrect, but R is correct. (2020-21)

### **Income and Other Criteria; Public Facilities**

#### **MCQ**

2. Read the following data and select the appropriate option from the following.

Educational Achievement of Rural Population of Uttar Pradesh		
Category	Male	Female
Literacy rate for rural population	76%	54%
Literacy rate for rural children in age group 10-14 years	90%	87%
Percentage of rural children aged 10-14 attending school	85%	82%

How much percentage of girls are not attending school? (2022-23)

(a) 81% (b) 61% (c) 69% (d) 18%

3. Which of the following measures the proportion of literate population in the seven and above age group? (Term-1, 2021-22)

- (a) Net Attendance Ratio
- (b) Enrollment Rate
- (c) Literacy Rate
- (d) Dropout Ratio

4. Which one of the following is the correct meaning of 'Average Income'? (Term-1, 2021-22)

- (a) The total income of the country divided by its earning population
- (b) The total income of the country divided by its total population
- (c) The total income of all the residents of the country
- (d) The total income from the domestic and foreign sources

5. Which one of the following best describes Human Development Index (HDI)? (Term-1, 2021-22)

- (a) Improvement in science, information and technology
- (b) Improvement in health, education and income
- (c) Improvement in information and communication
- (d) Improvement in investment, finance and technology

6. Two statements are given below as Assertion (A) and Reason (R). Read the statements and choose the most appropriate option.  
Assertion (A): Human Development mentions how much socio-economic development has happened in a country.

Reason (R): Comparison of national income of two countries explains Human

Development Index. (Term-1, 2021-22) (a) Both A and R are correct and R is the correct explanation of the A.

(b) Both A and R are correct, but R is not the correct explanation of the A.

(c) A is correct, but R is incorrect.

(d) A is incorrect, but R is correct.

7. Read the following data and information carefully and select the most appropriate answer from the given options:

Table for Comparison of three countries					
Countries	Monthly income of citizens in 2007 (in Rupees)				
	I	II	III	IV	V
Country A	9500	10500	9800	10000	10200
Country B	500	500	500	500	48000
Country C	5000	1000	15000	4000	25000

Rita is an employee of a multinational company who gets transferred to different countries after every three years of service. She has been given an opportunity to choose any one out of the three countries mentioned in the table above as her next job location. She calculates average income of all these countries as per the given data and chooses to be transferred to Country A. Identify the reason for which Rita has chosen country (Term-1, 2021-22)

A.

(a) Most of its citizens are rich and stable

(b) Has most equitable distribution of income

(c) National income of its citizens is higher

(d) Average income of its citizens is lower

8. Vijay is undernourished as his weight is 45 kgs and his height is 1.78 metre. Find out his Body Mass Index (BMI) from the following options. (Term-1, 2021-22)

(a) 12.6

(b) 13.5

(c) 14.2

(d) 15.2

9. Read the given data and find out which country has most equitable distribution of income:

Countries	Monthly Income of Citizens in four countries in 2018					
	Citizen I	Citizen II	Citizen III	Citizen IV	Citizen V	Citizen VI
Country A	10500	11200	10800	11000	10700	10840
Country B	600	5000	600	600	600	1480
Country C	550	10500	400	7500	2000	4190
Country D	8000	4800	700	5000	7500	2410

- (a) Country A
- (b) Country B
- (c) Country C
- (d) Country D (2020-21)

**SAI (3 marks)**

10. The issue of sustainability is important for development.' Examine the statement. (2020-21)

## ANSWERS

### Previous Years' CBSE Board Questions

1. (a): 25000
2. (a): Better wages
3. (c): Suppose the income of fourth family is x. According to question.

$$10000 = \frac{x + 6000 + 8000 + 14000}{4}$$

$$\Rightarrow 10000 = \frac{x + 28000}{4}$$

$$\Rightarrow x + 28000 = 40000 \Rightarrow x = ₹12000$$

4. (d): A girl from a rich urban family - She get as much freedom as her brother.
5. (c): Farmers who depending on rain for growing crops - Assured a higher support prices for their crops.

6. "Different persons can have different developmental goals". People have different developmental goal because they come from different background. Development goal for farmer might be irrigation facilities for an unemployed youth it may mean employment opportunities.

7. Development goals for landless rural labourer are more days of work and better wages.

8. The prosperous farmers of Punjab can aspire for better irrigation facilities. As a developmental goal, they can look forward to sending their children to better schools. They would also look for better yielding crop varieties.

9. To get employed with good salary package. Allocation of job as per his/her requirements and qualifications.

10. Average income represents the total income of a country divided by the total population. If the average income is adequate to meet the basic requirements and other facilities, then country is considered developed.

11. It can be (i) Regular income (ii) Regular job (iii) Own a piece of land (iv) Better health.

12. Per capita income

13. \$18000

14. It is the most appropriate criteria for measuring the development of a country.

15. It is calculated by dividing the total income of the country by total population.

16. (i) Education (ii) Health

17. Development refers to progress or improvement in lifestyle. Important aspects of development are:

(i) Different persons can have different developmental goals.

(ii) What may be development for one may not be development for the other. It may even be destructive for other.

18. For development, people look at a mix of goals, for example:

(i) People have different developmental goals because people come from different background.

- (ii) Different people have different dreams and aspirations.
- (iii) People set their goals according to the changing circumstances and the prevailing situation
- (iv) People may change the goal with the change in situation which could be contradictory to previous goal
- (v) For example: A person willing to do higher education will change his goal go for employment because weak economic situation of the family.

19. The quality of life depends upon the following factors:

- (i) Money and material things
- (ii) Presence of family members, friends and relatives
- (iii) Good working atmosphere at the office
- (iv) An opportunity to learn and contribute
- (v) A position of self respect in the family
- (vi) A safe and secure environment.

20. Three development goals for rural labourers are:

- (i) More days of work and better wages.
- (ii) Local schools to provide quality education for their children.
- (iii) There should be no social discrimination.

21. Economic development means the rate of production is greater than the rate of increase in population and the rate of growth of GDP is high enough to fulfill the basic needs of the population. Two basis of measuring development of a country are:

- (i) Average or per capita income.
- (ii) National income and public facilities.

22. Though income is one of the most important aspects of our lives, there are other important things, such as

- (a) Education, equal treatment, freedom, security, good health and respect.
- (b) Women need safe and secure environment to take up a variety of jobs or run a business.
- (c) People also need political rights and civil liberties.
- (d) People need pollution-free environment and clean surroundings.

23. Averages are used to compare different countries, states, or regions. As countries have different populations, comparing total income will not tell us what an average person has earned. Thus averages are good criteria for

comparisons. Averages have many limitations which are:

- (i) They do not give us the true picture regarding the distribution of income.
- (ii) Averages don't give us any information regarding the non-materialistic goods and services.

While averages are useful for comparison, they also hide disparities. For example, the infant mortality rate of a country does not differentiate between the male and female infants born in that country. Such an average tells us nothing about whether the number of children dying before the age of one are mostly boys or girls.

24. Development means continuous progress or increase in real per-capita income. In other words, there is improvement in economic welfare of the people and their standard of living.

The four characteristics of development are:

- (i) Developmental goals are different for different people.
- (ii) What may be development for one may not be development for the other.
- (iii) For development people look at a mix of goals.
- (iv) Different persons could have different as well as conflicting notions of country's development.

25. Different people have different development goals:

- (i) People have different developmental goals because people come from different background.
- (ii) Different people have different dreams and aspirations.
- (iii) People set their goals according to the changing circumstances and the prevailing situation
- (iv) People may change the goal with the change in situation which could be contradictory to previous goal
- (v) For example: A person willing to do higher education will change his goal go for employment because weak economic situation of the family.

26. Average income - it is the total income of a nation (GDP) divided by its population, also called per capita income. It helps in classifying countries as developed, under developed or developing. As done by World Bank it hides disparities, as in the middle east countries, a small population is rich but a very large population is poor.

Limitations of calculating per capita income are:



- (i) A rise in per capita income can be due to rise in prices and not due to increase in physical output, it is not a reliable index of economic development.
- (ii) National income rises but lack of distribution makes the rich richer and the poor poorer.
- (iii) It excludes all non-marketed goods and services, even though they may be important for human happiness and better quality of life.
- (iv) Rise in per capita income may be due to use of modern capital intensive technology in production which may be labour displacing in nature thus adversely affecting the poor masses.
- (v) If rate of population growth, is higher than the rate of growth of national income, this will lead to fall in per capita availability of goods and services and economic welfare.
- (vi) Contribution of commodity to economic welfare may be higher than its money value e.g., money value of salt, needle, thread etc. included in national income is lower than their contribution to economic welfare.

27. (i) Per capita income is the base for comparison by the World Bank.

- (ii) Narrow concept of development.
- (iii) Countries are divided into rich and poor.
- (iv) The World Bank defined low and high income countries according to per capita income.
- (v) Countries with per capita income of US \$ 49,300 per annum and above in 2019 are called rich countries.
- (vi) Countries with per capita income of US \$ 2500 or less are called low-income or poor countries.

Limitations in classifying different countries by World Bank:

- (i) This criteria takes into account only the economic aspect of life and ignore the social aspect of life.
- (ii) It ignores education, health, life expectancy, sanitation etc.

28. National development is the ability of the nation to improve the standard of living of its population. It can be done by providing various needs and opportunities of livelihood to the people and providing them employment, etc. It also includes providing basic hygiene, healthcare and education. The important aspects of national development are:-

- (i) Enlargement of economic awareness
- (ii) Increasing agricultural outputs

- (iii) Eradication of poverty
- (iv) Development of rural areas
- (v) Handling of growth in urban areas
- (vi) Ensuring gender parity in the society
- (vii) Resolving conflicts by discussion and negotiation.

29. Apart from money, people may seek growth and development through independence, security, respect, equitable treatment, unpolluted environment, etc.

(i) Independence is essential for success because it enhances confidence, eliminates over-dependence on others, promotes enjoyment, provides a sense of accomplishment, and helps people make better decisions. For creatures to function efficiently in the world, they must be self-sufficient.

(ii) Security is a financial instrument, usually any tradable financial asset. The definition of what constitutes security varies depending on the jurisdiction in which the assets are exchanged.

(iii) Respect is a strong emotion of appreciation for someone or something based on their abilities, attributes, or accomplishments.

(iv) Equality is about ensuring that every individual has an equal opportunity to make the most of their lives and talents.

30. (b): Bangladesh

31. (c): India

32. (a):39

33. (a): I and II

34. (a): There is low infant mortality rate in Kerala. Its reason is that, Kerala has adequate provision of basic health and educational facilities.

35. Per capital income measures the average income earned per person in a given area in a specified year. It is calculated by dividing the areas total income by its total population.

36. Literary rate is defined by the percentage of the population of a given age group (7 and above), that can read and write.

37. Bihar

38. When the average income of a country is not being increased over time but the records of the National Income show a rise it is a situation of unequal distribution of income.

39. (i) Increasing educational level of the people.

(ii) Increasing their health status.

(iii) Increasing people's per capital income.

40. Kerala has low infant mortality rate as it has high development of education and health facilities.

41. UNDP compares countries on educational level, health status and per capita income; whereas the World Bank uses only per capita income for measuring development.

42. Human Development Index

43. The net attendance ratio is the percentage of the official primary school age population that attends primary school. The Gross Attendance Ratio (GAR) is the total number of students attending primary school regardless of age.

44. Human Development Index (HDI)

45. Money cannot buy all the goods and services that a person may need to live well. Income by itself is not a completely adequate indicator of material goods and services that citizens are able to use. For example, normally, money cannot buy a pollution free environment or ensure that a person gets unadulterated medicines, unless a person can afford to shift to a community that already has all these things. Money may also not be able to protect individual from infection, disease, unless the whole of our community takes preventive steps.

46. The three ways to maintain Body Mass Index (BMI):

(i) It is important to exercise at least 60-90 minutes most days of the week.

(ii) Stay hydrated and eat a balanced diet.

(iii) Avoid fast food and oily food.

47. (i) Life expectancy

(ii) Gross enrollment ratio

(iii) Per capita income

48. Human Development Index is published by the UNDP.

(i) It includes the level of development of a country.

(ii) It indicates about a country how far it has travelled and how far it has yet to travel to achieve high ranks in matters such as per capita income of the people.

(iii) It includes important welfare elements such as life expectancy, literacy, educational level of people and health status.

49. The three efforts which could be made by any country to improve its HDI are:

(i) Providing 100% literacy to the people.

(ii) Improving health facilities.

(iii) Creating a pollution-free environment.

50. (1) Role of education: It plays a vital role in the overall development of a human being and society, therefore stress on imparting education has been given in our constitution.

(ii) Role of Health: The general health standard in India is quite low. This is quite inevitable as nearly one-fourth of the population lives below the poverty line. A community based programme on health care and medical services in rural areas is launched. As a result of these efforts, there has been a fall in the incidents of certain diseases like tuberculosis, leprosy and polio.

51. The World Bank uses per capita income to measure the development. But it does not give the clear picture about the condition of the people in the country. That is why UNDP has adopted Human Development index. The Human Development Index (HDI) is based on:

(i) Per capita income: When the total national income of the country is divided by its population, we get the per capita income.

(ii) Life expectancy: It measures the average age of a person in a country. It helps us to know the health facilities of the country.

(iii) Literacy rate: Education is also one of the most important criteria for the development of a country.

(iv) Gross enrollment ratio : It measures the education gained at three levels- at the primary, secondary and higher education level.

52. (i) Per capita income of Punjab is ₹26,000 and Kerala is 22,800.

(ii) Literacy rate of Punjab according to 2011 census is 75% and Kerala is 94% i.e., Punjab lags behind Kerala.

- (iii) Therefore, income by itself is not a completely adequate indicator of material goods and services that citizens are able to use.
- (iv) Over the past decade, health and education indicators have come to be widely used along with income as a measure of development.
- (v) Human Development Report published by UNDP compares countries on the basis of educational levels, health status and per capita income.
- (vi) Kerala has a low infant mortality rate as it has adequate provision of basic health and educational facilities.

53. Sustainable development is development that meets the needs of the present generation without compromising the ability of future generations to meet their own needs. An important measure that we can take to attain sustainability is to adopt measures to reduce global warming and carbon emission.

- (i) Improvement in human capacity is needed through better education and healthcare that will result in improving the quality of life and better decisions related to the environment.
- (ii) Consumption and production should be managed responsibly so as to avoid wastage.
- (iii) Decarbonise the energy system so as to provide clean and affordable energy to all.
- (iv) Providing access to clean drinking water and nutritious food.
- (v) Protecting the environment from damage due to human activities.
- (vi) Planning smart infrastructure so that the population can be managed properly.
- (vii) Responsible use of information technology to support sustainable development.

54. (a) Increasing population (b) lack of awareness of resources among people  
(c) Excessive use of ground water for irrigation.

55. Mahatma Gandhi

- 56. (i) Sustainable development has continued to evolve as that of protecting the world's resources while its true agenda is to control the world's resources.
- (ii) Environmentally sustainable economic growth refers to economic development that meets the needs of all without leaving future generations with fewer natural resources than those we enjoy today.

(iii) The essence of this form of development is a stable relationship between human activities and the natural world, which does not diminish the prospects for future generations to enjoy a quality of life at least as good as our own.

(iv) Example: Crude oil that we extract from the earth is a non-renewable resource. Still its explorations are being done non-judiciously.

57. Sustainable development means development should take place without damaging the environment and development in the present should not compromise with the needs of the future generation. Issue of sustainability is important and desirable for development.

(i) Economic development is a continuous process. Hence resources are not exploited. At the same time, development should not harm the environment.

(ii) It is desirable because everyone would certainly like the present level of development to go further or at least be maintained for the future generations.

58. (i) Controlling overuse and creating an awareness to provide sustainable development.

(ii) Increased use of renewable resources.

(iii) Less use of fossil fuels.

(iv) Introduction of organic farming.

(v) Adopting measures to reduce global warming.

59. Yes, we agree with this statement. The reasons are:

(i) Sustainability of development is comparatively a new area of knowledge in which scientists, economists, philosophers and other social scientists are working together.

(ii) In general, the question of development or progress is continuous.

(iii) At all times, as a member of the society and as individuals we need to ask where we want to go, what we wish to become and what our goals are.

60. The issue of sustainability is important for development because of the passage of time the generation changes and with this change society wants more and more benefits from the resources which are present in our nature. Because of the increasing needs of people of our society, things are decaying day by day, and excessive use is making things worse. If the speed of using resources remains the same then the available resources will be exhausted soon and our coming generation will stay deprived of all kind of needs. The issue of sustainability is important for development because of the following

reasons:

(a) The growth and development should be done by keeping in mind future usage.

(b) If resources are not sustained, then our natural resources will stagnate after some time and no upcoming generation will be able to take advantage of these natural resources.

61. It is felt that the economic growth and industrialisation have led to reckless exploitation of natural resources. Sustainability promotes a rational use of natural resources.

(i) Currently, reckless exploitation of non-renewable natural resources is going on. Since the stock of natural resources like oil and minerals is limited, development should not take place at the cost of these scarce natural resources as they are not renewable in the near future.

(ii) Ground water is an example of renewable resource. But if we use more than what is replenished by nature, then we would be overusing this resource.

(iii) Once the non-renewable resources would be exhausted, we would not be able to use them in future. So, using the resources judiciously will help in maintaining the sustainability of development of our ecosystem.

(iv) Economic development is a continuous process. Resources are to be used in such a way that they are not exploited. At the same time, development should not harm the environment.

62. Consequences of environment degradation do not respect national or state boundaries. This issue is no longer a regional or national issue. Our future is linked together. Sustainability of development is essential for all the mankind and it is our common responsibility to save the environment. These days, it is a matter of discussion among different countries of world. Global warming, acid rain etc. are not bound to a country and cannot be controlled by one nation. It is a global matter for thinking and finding the solutions.

63. (i) Sustainable development is all about judicious use of resources at present keeping in mind the future requirements of the coming generation.

(ii) Ground water is overused for agriculture.

(iii) Water is drawn from wells and this leaves the underground water-table depleted.

(iv) Though water is a renewable resource it is used more than what is being replenished.

64. Sustainable development is defined as meeting the needs of the present without compromising the ability of future generations to meet their own needs. Unless the development is sustainable it cannot be continued for a prolonged period of time. Sustainable development is the upliftment of a particular section of the society achieved by cooperation and utilization of various types of natural and man made resources without harming the environment, it's various elements and above all the natural resources.

It can be achieved by-

- (i) Using eco-friendly processes and producing eco- friendly products.
- (ii) Recycling and reusing as many products as possible.
- (iii) Use of things that don't harm the environment.
- (iv) Judicious use of fossil fuels and working it towards alternative energy sources.
- (v) Curb activities that lead to pollution.

65. Sustainable development is important for economic growth because:

- (i) Environment must be conserved while development is taking place.
- (ii) Resources must be used in such a way that it is conserved or replenished for future generations.
- (iii) The standard of living of all people must be raised. Measures to ensure sustainable development:
  - (i) We should focus on using renewable resources.
  - (ii) The present resources must be used judiciously, with planning, and overexploitation should be avoided.

66. This statement was given by Mahatma Gandhi:

- (i) It means that the earth has abundant resources to satisfy everyone's needs but in our greed and hurry to develop, we have been recklessly exploiting the resources.
- (ii) In the name of development, we have indulged in activities such as deforestation, overgrazing, encroachment into forest land, overuse of ground water, use of plastics etc.
- (iii) The exploitation of natural resources not only harms the environment but may cripple the future generations of the development process itself.
- (iv) If fossil fuels are exhausted, the development of all countries would be at risk.



(v) Thus, there is a need for conservation and judicious use of resources for Development

### CBSE Sample Questions

1. (a): Both A and R are correct and R is the correct explanation of A. (1)
2. (d) 82 per cent of female rural children aged (10-14) attending school means out of 100 ( $100-82 = 18$ ). 18 female are not attending school. (1)
3. (c): Literacy Rate measures the proportion of literate population in the 7 years and above age group. (0.80)
4. (b): The total income of the country divided by its total population is called average income or per capita income of that country. (0.80)
5. (b): The Human Development Index (HDI) is a composite statistic of life expectancy at birth, education years and per capita income. (0.80)
6. (c): Comparison of national income of two countries explains the average income which is the total income of the country divided by its total population. (0.80)
7. (b): Has most equitable distribution of income

8. (c) : We know,  $BMI = \frac{\text{Weight in kg}}{\text{Square of height in metre}}$

Here, weight = 45 kg (given)  
Height = 1.78 metre (given)

$$\text{Then, } BMI = \frac{45}{1.78 \times 1.78} = \frac{45}{3.1684} = 14.2 \quad (0.80)$$

9. (a): Country A (1)
10. (i) Sustainable development aims at fulfilling the needs of today without compromising the needs of the future generation.  
(ii) Sustainability is the capability to use the resources judiciously and maintain the ecological balance.  
(iii) It lays emphasis on environmental protection and check environmental degradation. (3x1)

