RURAL DEVELOPMENT

After studying this chapter, the learners will

- understand rural development and the major issues associated with it
- appreciate how crucial the development of rural areas is for India’s overall development
- understand the critical role of credit and marketing systems in rural development
- learn about the importance of diversification of productive activities to sustain livelihoods
- understand the significance of organic farming in sustainable development.
6.1 INTRODUCTION

In Chapter 4, we studied how poverty was a major challenge facing India. We also came to know that the majority of the poor live in rural areas where they do not have access to the basic necessities of life.

Agriculture is the major source of livelihood in the rural sector. Mahatma Gandhi once said that the real progress of India did not mean simply the growth and expansion of industrial urban centres but mainly the development of the villages. This idea of village development being at the centre of the overall development of the nation is relevant even today. Why is this so? Why should we attach such significance to rural development when we see around us fast growing cities with large industries and modern information technology hubs? It is because more than two-third of India’s population depends on agriculture that is not productive enough to provide for them; one-third of rural India still lives in abject poverty. That is the reason why we have to see a developed rural India if our nation has to realise real progress. What, then, does rural development imply?

6.2 WHAT IS RURAL DEVELOPMENT?

Rural development is a comprehensive term. It essentially focuses on action for the development of areas that are lagging behind in the overall development of the village economy. Some of the areas which are challenging and need fresh initiatives for development in India include

- Development of human resources including
  - literacy, more specifically, female literacy, education and skill development
  - health, addressing both sanitation and public health
- Land reforms
- Development of the productive resources of each locality
- Infrastructure development like electricity, irrigation, credit, marketing, transport facilities including construction of village roads and feeder roads to nearby highways, facilities for agriculture research and extension, and information dissemination
- Special measures for alleviation of poverty and bringing about significant improvement in the living conditions of the weaker sections of the population emphasising access to productive employment opportunities.

All this means that farming communities have to be provided with various means that help them increase the productivity of grains, cereals, vegetables and fruits. They also need to be given opportunities to diversify into various non-farm productive activities such as food processing.

“Only the tillers of the soil live by the right. The rest form their train and eat only the bread of dependence”. Thiruvalluvar
Giving them better and more affordable access to healthcare, sanitation facilities at workplaces and homes and education for all would also need to be given top priority for rapid rural development.

It was observed in an earlier chapter that although the share of agriculture sector’s contribution to GDP was on a decline, the population dependent on this sector did not show any significant change. Further, after the initiation of reforms, the growth rate of agriculture sector decelerated to 2.3 per cent per annum during the 1990s, which was lower than the earlier years. Scholars identify decline in public investment since 1991 as the major reason for this. They also argue that inadequate infrastructure, lack of alternate employment opportunities in the industry or service sector, increasing casualisation of employment etc. further impede rural development. The impact of this phenomenon can be seen from the growing distress witnessed among farmers across different parts of India. Against this background, we will critically look at some of the crucial aspects of rural India like credit and marketing systems, agricultural diversification and the role of organic farming in promoting sustainable development.

6.3 CREDIT AND MARKETING IN RURAL AREAS

Credit: Growth of rural economy depends primarily on infusion of capital, from time to time, to realise higher productivity in agriculture and non-agriculture sectors. As the time gestation between crop sowing and realisation of income after production is quite long, farmers borrow from various sources to meet their initial investment on seeds, fertilisers, implements and other family expenses of marriage, death, religious ceremonies etc.

At the time of independence, moneylenders and traders exploited small and marginal farmers and landless labourers by lending to them on high interest rates and by manipulating the accounts to keep them in a debt-trap. A major change occurred after 1969 when India adopted social banking and multi-agency approach to adequately meet the needs of rural credit. Later, the National Bank for Agriculture and Rural Development (NBARD) was set up in 1982 as an apex body to coordinate the activities of all institutions involved in the rural financing system. The Green

Work These Out

- On a monthly basis, go through the newspapers of your region and identify the problems raised by them in relation to rural areas and the solutions offered. You could also visit a nearby village and identify the problems faced by people there.
- Prepare a list of recent schemes and their objectives from the government website http://www.rural.nic.in
Box 6.1: The Poor Women’s Bank

‘Kudumbashree’ is a women-oriented community-based poverty reduction programme being implemented in Kerala. In 1995, a thrift and credit society was started as a small savings bank for poor women with the objective to encourage savings. The thrift and credit society mobilised Rs 1 crore as thrift savings. These societies have been acclaimed as the largest informal banks in Asia in terms of participation and savings mobilised.

Source: www.kudumbashree.com. Visit this website and explore various other initiatives undertaken by this organisation. Can you identify some factors which contributed to their successes?

Revolution was a harbinger of major changes in the credit system as it led to the diversification of the portfolio of rural credit towards production-oriented lending.

The institutional structure of rural banking today consists of a set of multi-agency institutions, namely, commercial banks, regional rural banks (RRBs), cooperatives and land development banks. The major aim of designing this multi-agency system is to dispense adequate credit at cheaper rates. Recently, Self-Help Groups (henceforth SHGs) have emerged to fill the gap in the formal credit system because the formal credit delivery mechanism has not only proven inadequate but has also not been fully integrated into the overall rural social and community development. Since some kind of collateral is required, vast proportion of poor rural households were automatically out of the credit network. The SHGs promote thrift in small proportions by a minimum contribution from each member. From the pooled money, credit is given to the needy members to be repayable in small instalments at reasonable interest rates. By March end 2003, more than seven lakh SHGs had reportedly been credit linked. Such credit provisions are generally referred to as micro-credit programmes. SHGs have helped in the

Work These Out

➢ In your locality/neighbourhood, you might notice self-help groups providing credit. Attend few meetings of such self-help groups. Write a report on the profile of a self-help group. The profile may include — when it was started, the number of members, amount of savings and type of credit they provide and how borrowers use the loan.

➢ You might also find that those who take a loan for starting self-employment activities use it for other purposes. Interact with few such borrowers and explore the possibilities of encouraging them to start self-employment activities.
empowerment of women but the borrowings are mainly confined to consumption purposes and negligible proportion is borrowed for agricultural purposes.

**Rural Banking — a Critical Appraisal:**
Rapid expansion of the banking system had a positive effect on rural farm and non-farm output, income and employment, especially after the green revolution — it helped farmers to avail services and credit facilities and a variety of loans for meeting their production needs. Famines became events of the past; we have now achieved food security which is reflected in the abundant buffer stocks of grains. However, all is not well with our banking system. This is largely because of the chronic underperformance of formal credit institutions and high incidence of overdue instalments by the farmers.

With the possible exception of the commercial banks, other formal institutions have failed to develop a culture of deposit mobilisation — lending to worthwhile borrowers and effective loan recovery. Agriculture loan default rates have been chronically high and many studies reveal that about 50 per cent of the defaulters were categorised as ‘wilful defaulters’ which is a threat to the smooth functioning of the banking system and needs to be controlled.

Thus, the expansion and promotion of the rural banking sector has taken a backseat after reforms. To improve the situation, banks need to change their approach from just being lenders to building up relationship banking with the borrowers. Inculcating the habit of thrift and efficient utilisation of financial resources needs to be enhanced among the farmers too.

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**Work These Out**

- In the last few years, you might have taken note — in your neighbourhood if you are living in rural areas or read in the newspapers or seen on TV — of farmers committing suicides. Many such farmers had borrowed money for farming and other purposes. It was found that when they were unable to pay back due to crop failure, insufficient income and employment opportunities, they took such steps. Collect information relating to such cases and discuss in the classroom.

- Visit banks that cater to rural areas. They may be primary agricultural cooperative banks, land development banks, regional rural banks or district cooperative banks. Collect details such as how many rural households borrowed from them, amount generally borrowed, kinds of collateral used, interest rates and dues.

- If farmers who borrowed from cooperative banks could not pay back due to crop failure and other reasons, their loans should be waived otherwise they may take drastic decisions like committing suicides. Do you agree?
6.4 Agricultural Market System

Have you ever asked yourself how food grains, vegetables and fruits that we consume daily come from different parts of the country? The mechanism through which these goods reach different places depends on the market channels. Agricultural marketing is a process that involves the assembling, storage, processing, transportation, packaging, grading and distribution of different agricultural commodities across the country.

Prior to independence, farmers, while selling their produce to traders, suffered from faulty weighing and manipulation of accounts. Farmers who did not have the required information on prices prevailing in markets were often forced to sell at low prices. They also did not have proper storage facilities to keep back their produce for selling later at a better price. Do you know that even today, more than 10 per cent of goods produced in farms are wasted due to lack of storage? Therefore, state intervention became necessary to regulate the activities of the private traders.

Let us discuss four such measures that were initiated to improve the marketing aspect. The first step was regulation of markets to create orderly and transparent marketing conditions. By and large, this policy benefited farmers as well as consumers. However, there is still a need to develop about 27,000 rural periodic markets as regulated market places to realise the full potential of rural markets. Second component is provision of physical infrastructure facilities like roads, railways, warehouses, godowns, cold storages and processing units. The current infrastructure facilities are quite inadequate to meet the growing demand and need to be improved. Cooperative marketing, in realising fair prices for farmers’ products, is the third aspect of government initiative. The success of milk cooperatives in transforming the

![Fig. 6.1 Regulated market yards benefit farmers as well as consumers](image)
social and economic landscape of Gujarat and some other parts of the country is testimony to the role of cooperatives. However cooperatives have received a setback during the recent past due to inadequate coverage of farmer members, lack of appropriate link between marketing and processing cooperatives and inefficient financial management. The fourth element is the policy instruments like (i) assurance of minimum support prices (MSP) for 24 agricultural products (ii) maintenance of buffer stocks of wheat and rice by Food Corporation of India and (iii) distribution of food grains and sugar through PDS. These instruments are aimed at protecting the income of the farmers and providing foodgrains at a subsidised rate to the poor. However, despite government intervention, private trade (by moneylenders, rural political elites, big merchants and rich farmers) predominates agricultural markets. The quantity of agricultural products, handled by the government agencies and consumer cooperatives, constitutes only 10 per cent while the rest is handled by the private sector.

Agricultural marketing has come a long way with the intervention of the government in various forms. The rapid commercialisation of agriculture in the era of globalisation offers tremendous opportunities for value addition of agro-based products through processing and this needs to be encouraged apart from awareness and training of the farmers to improve their marketing ability.

**Emerging Alternate Marketing Channels:** It has been realised that if farmers directly sell their produce to consumers, it increases their share in the price paid by the consumers. Some examples of these channels are *Apni Mandi* (Punjab, Haryana, Rajasthan); *Hadaspar Mandi* (Pune); *Rythu Bazars* (vegetable and fruit market in Andhra Pradesh) and *Uzhavar Sandies* (farmers markets in Tamil Nadu). Further, several national and multinational fast food chains are increasingly entering into contracts/alliances with farmers to encourage them to cultivate farm products (vegetables, fruits, etc.) of the desired quality by providing them with

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**Work These Out**

- Visit a nearby vegetable and fruit market. Observe and identify different characteristics of the market. Identify the place of origin of at least ten different fruits and vegetables and distance travelled to reach the market. Further, look at the modes of transport and its implication on prices.

- Most small towns have regulated market yards. Farmers can go to these markets and sell their produce. They can also store their goods in the yard. Visit one regulated market yard; collect the details of its functioning, kind of goods coming to the yard and how prices are fixed.
not only seeds and other inputs but also assured procurement of the produce at pre-decided prices. Such arrangements will help in reducing the price risks of farmers and would also expand the markets for farm products.

6.5 **Diversification into Productive Activities**

Diversification includes two aspects: one relates to diversification of crop production and the other relates to a shift of workforce from agriculture to other allied activities (livestock, poultry, fisheries etc.) and non-agriculture sector. The need for diversification arises from the fact that there is greater risk in depending exclusively on farming for livelihood. Diversification towards new areas is necessary not only to reduce the risk from agriculture sector but also to provide productive sustainable livelihood options to rural people. Much of the agricultural employment activities are concentrated in the Kharif season. But during the Rabi season, in areas where there are inadequate irrigation facilities, it becomes difficult to find gainful employment. Therefore expansion into other sectors is essential to provide supplementary gainful employment and in realising higher levels of income for rural people to overcome poverty and other tribulations. Here the focus will be only on allied activities, non-farm employment and other emerging alternatives of livelihood, though there are many other options available for providing sustainable livelihoods in rural areas.

As agriculture is already overcrowded, a major proportion of the increasing labour force needs to find alternate employment opportunities in other non-farm sectors. Non-farm economy has several segments in it; some possess dynamic linkages that permit healthy growth while others are
in subsistence, low productivity propositions. The dynamic sub-sectors include agro-processing industries, food processing industries, leather industry, tourism, etc. Those sectors which have the potential but seriously lack infrastructure and other support include traditional household-based industries like pottery, crafts, handlooms etc. Though majority of rural women find employment in agriculture with men looking for non-farm employment, in recent times, women have also begun to look for non-farm jobs (see Box 6.2).

**Animal Husbandry:**

In India, the farming community uses the mixed crop-livestock farming system — cattle, goats, fowl are the widely held species. Livestock production provides increased stability in income, food security, transport, fuel and nutrition for the family without disrupting other food-producing activities. Today, livestock sector alone provides alternate livelihood options to over 70 million small and marginal farmers including landless labourers. A significant number of women also find employment in the livestock sector.

Chart 6.1 shows the distribution of livestock in India. Poultry accounts for the largest share with 42 per cent followed by others. Other animals which include camels, asses, horses, ponies

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**Box 6.2: Tamil Nadu Women in Agriculture (TANWA)**

Tamil Nadu Women in Agriculture (TANWA) is a project initiated in Tamil Nadu to train women in latest agricultural techniques. It induces women to actively participate in raising agricultural productivity and family income. At a Farm Women’s Group in Thiruchirapalli, run by Anthoniammal, trained women are successfully making and selling vermicompost and earning money from this venture. Many other Farm Women’s Groups are creating savings in their group by functioning like mini banks through a micro-credit system. With the accumulated savings, they promote small-scale household activities like mushroom cultivation, soap manufacture, doll making or other income-generating activities.

![Chart 6.1: Distribution of Livestock in India, 1997](image)
and mules are in the lowest rung. India had about 287 million cattle, including 90 million buffaloes, in 1997. Performance of the Indian dairy sector over the last three decades has been quite impressive. Milk production in the country has increased by more than four times between 1960-2002. This can be attributed mainly to the successful implementation of ‘Operation Flood’ from 1966 onwards; it is a system whereby all the farmers can pool their milk produce according to different grading (based on quality) and the same is processed and marketed to urban centres through cooperatives. In this system the farmers are assured of a fair price and income from the supply of milk to urban markets. Gujarat state is held as a success story in the efficient implementation of milk cooperatives which has been emulated by many states. Meat, eggs, wool and other by-products are also emerging as important productive sectors for diversification.

**Fisheries**: The fishing community regards the water body as ‘mother’ or ‘provider’. The water bodies consisting of sea, oceans, rivers, lakes, natural aquatic ponds, streams etc. are, therefore, an integral and life-giving source for the fishing community. In India, after progressive increase in budgetary allocations and introduction of new technologies in fisheries and aquaculture, the development of fisheries has come a long way. Presently, fish production from inland sources contributes about 49 per cent to the total fish production and the balance 51 per cent comes from the marine sector (sea and oceans). Today total fish production accounts for 1.4 per cent of the total GDP. Among states, Kerala, Gujarat, Maharashtra and Tamil Nadu are the major producers of marine products. The overall socio-economic status of fishermen is comparatively lower than that of other backward sectors of our economy. Rampant underemployment, low per capita earnings, absence of mobility of labour to other sectors and a high rate of illiteracy and indebtedness are some of the major problems faced by these communities. Even though women are not involved in active fishing, about 60 per cent of the workforce in export marketing and 40 per cent in internal marketing are women. There is a need to increase credit facilities — cooperatives and SHGs — for fisherwomen to meet the working capital requirements for marketing.

**Horticulture**: Blessed with a varying climate and soil conditions, India has
adopted growing of diverse horticultural crops such as fruits, vegetables, tuber crops, flowers, medicinal and aromatic plants, spices and plantation crops. These crops play a vital role in providing food and nutrition, besides addressing employment concerns. The period between 1991-2003 is also called an effort to heralding a ‘Golden Revolution’ because during this period, the planned investment in horticulture became highly productive and the sector emerged as a sustainable livelihood option. India has emerged as a world leader in producing a variety of fruits like mangoes, bananas, coconuts, cashew nuts and a number of spices and is the second largest producer of fruits and vegetables. Economic condition of many farmers engaged in horticulture has improved and it has become a means of improving livelihood for many unprivileged classes too. Flower harvesting, nursery maintenance, hybrid seed production and tissue culture, propagation of fruits and flowers and food processing are highly remunerative employment options for women in rural areas. It has been estimated that this sector provides employment to around 19 per cent of the total labour force.

Though, in terms of numbers, our livestock population is quite impressive but its productivity is quite low as compared to other countries. It requires improved technology and promotion of good breeds of animals to enhance productivity. Improved veterinary care and credit facilities to small and marginal farmers and landless labourers would enhance sustainable livelihood options through livestock production. Production of fisheries has already increased substantially.
However problems related to over-fishing and pollution need to be regulated and controlled. Welfare programmes for the fishing community have to be reoriented in a manner which can provide long-term gains and sustenance of livelihoods. Horticulture has emerged as a successful sustainable livelihood option and needs to be encouraged significantly. Enhancing its role requires investment in infrastructure like electricity, cold storage systems, marketing linkages, small-scale processing units and technology improvement and dissemination.

Other Alternate Livelihood Options:
We know that IT has revolutionised many sectors in the Indian economy. There is broad consensus that IT will play a critical role in achieving sustainable development and food security in the twenty-first century. Many examples justify this observation, such as the ability of governments to predict areas of food insecurity and vulnerability using appropriate information and software tools so that action can be taken to prevent or reduce the likelihood of an emergency. It also has a positive impact on the agriculture sector as it disseminates information regarding emerging technologies and its applications, prices, weather and soil conditions for growing different crops etc. Most importantly, it has ushered in a knowledge economy that is a thousand times more powerful than the industrial revolution. Though IT is, by itself, no catalyst of change but it can act as a tool for releasing the creative potential and knowledge embedded in our people. It also has potential of employment generation in rural areas. Experiments with IT and its application to rural development are carried out in different parts of India (see Box 6.3).

6.6 SUSTAINABLE DEVELOPMENT AND ORGANIC FARMING

In recent years, awareness of the harmful effect of chemical-based fertilisers and pesticides on our health is on a rise. Conventional agriculture relies heavily on chemical fertilisers and toxic pesticides etc., which enter the food supply, penetrate the water

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**Box 6.3: Every Village — a Knowledge Centre**

M.S. Swaminathan Research Foundation, an institution located in Chennai, Tamil Nadu, with support from Sri Ratan Tata Trust, Mumbai, has established the Jamshedji Tata National Virtual Academy for Rural Prosperity. The Academy envisaged to identify a million grassroot knowledge workers who will be enlisted as Fellows of the Academy. The programme provides an info-kiosk (PC with Internet and video conferencing facility, scanner, photocopier, etc.) at a low cost and trains the kiosk owner; the owner then provides different services and tries to earn a reasonable income. The Government of India has decided to join the alliance by providing financial support of Rs 100 crore.
sources, harm the livestock, deplete the soil and devastate natural eco-systems. Efforts in evolving technologies which are eco-friendly are essential for sustainable development and one such technology which is eco-friendly is organic farming. In short, organic agriculture is a whole system of farming that restores, maintains and enhances the ecological balance. There is an increasing demand for organically grown food to enhance food safety throughout the world (see Box 6.4).

**Benefits of Organic Farming:** Organic agriculture offers a means to substitute costlier agricultural inputs (such as HYV seeds, chemical fertilisers, pesticides etc.) with locally produced organic inputs that are cheaper and thereby generate good returns on investment. Organic agriculture also generates incomes through international exports as the demand for organically grown crops is on the rise. Studies across countries have shown that organically grown food has more nutritional value than chemical farming thus providing us with healthy foods. Since organic farming requires more labour input than conventional farming, India will find organic farming an attractive proposition. Finally, the produce is pesticide-free and produced in an environmentally sustainable way (see Box 6.5).

**Box 6.4: Organic Food**

Organic food is growing in popularity across the world. Many countries have around 10 per cent of their food system under organic farming. There are many retail chains and supermarkets which are accorded with green status to sell organic food. Moreover, organic foods command higher prices of around 10-100 per cent than conventional ones.

**Box 6.5: Organically Produced Cotton in Maharashtra**

In 1995, when Kisan Mehta of Prakruti (an NGO) first suggested that cotton, the biggest user of chemical pesticides, could be grown organically, the then Director of the Central Institute for Cotton Research, Nagpur, famously remarked, “Do you want India to go naked?” At present, as many as 130 farmers have committed 1,200 hectares of land to grow cotton organically on the International Federation of Organic Agriculture Movement’s standards. The produce was later tested by the German Accredited Agency, AGRECO, and found to be of high quality. Kisan Mehta feels that about 78 per cent of Indian farmers are marginal farmers owning about less than 0.8 hectare but accounting for 20 per cent of India’s cultivable land. Therefore, organic agriculture is more profitable in terms of money and soil conservation in the long run.

Popularising organic farming requires awareness and willingness on the part of farmers to adapt to new technology. Inadequate infrastructure and the problem of marketing the products are major concerns which need to be addressed apart from an appropriate agriculture policy to promote organic farming. It has been observed that the yields from organic farming are less than modern agricultural farming in the initial years. Therefore, small and marginal farmers may find it difficult to adapt to large-scale production. Organic produce may also have more blemishes and a shorter shelf life than sprayed produce. Moreover, choice in production of off-season crops is quite limited in organic farming. Nevertheless, organic farming helps in sustainable development of agriculture and India has a clear advantage in producing organic products for both domestic and international markets.

6.7 Conclusion

It is clear that until and unless some spectacular changes occur, the rural sector might continue to remain backward. There is a greater need today to make rural areas more vibrant through diversification into dairying, poultry, fisheries, vegetables and fruits and linking up the rural production centres with the urban and foreign (export) markets to realise higher returns on the investments for the products. Moreover, infrastructure elements like credit and marketing, farmer-friendly agricultural policies and a constant appraisal and dialogue between farmers’ groups and state agricultural departments are essential to realise the full potential of the sector.

Today we cannot look at the environment and rural development as two distinct subjects. There is need to invent or procure alternate sets of eco-friendly technologies that lead to sustainable development in different

Work These Out

- Make a list of five popular items that are organically produced in India.
- Visit a nearby super market, vegetable shop and/or a departmental shop. Identify a few products. Prepare a chart comparing a few goods that are produced organically and in the normal way on the basis of their prices, shelf life, quality and the kind of advertisement through which they are popularised.
- Visit a horticultural farm in the nearby locality. Collect the details of goods that they cultivate on the farm. They could have diversified their cropping patterns. Discuss with them the merits and demerits of the diversification.
circumstances. From these, each rural community can choose whatever will suit its purpose. First of all, then, we need to learn from, and also try out when found relevant, practices from the available set of ‘best practice’ illustrations (which means success stories of rural development experiments that have already been carried out in similar conditions in different parts of India), to speed up this process of ‘learning by doing’.

Recap

➢ Rural development is quite a comprehensive term but it essentially means a plan of action for the development of areas which are lagging behind in socio-economic development.

➢ There is a need for improving the quantity and quality of infrastructure in rural areas such as banking, marketing, storage, transport and communications etc. to realise its true potential.

➢ Diversification towards new areas such as livestock, fisheries and other non-agricultural activities is necessary not only to reduce the risk from agriculture sector but also to provide productive sustainable livelihood options to our rural people.

➢ The importance of organic farming as an environmentally sustainable production process is on a rise and needs to be promoted.

EXERCISES

1. What do you mean by rural development? Bring out the key issues in rural development.

2. Discuss the importance of credit in rural development.

3. Explain the role of micro-credit in meeting credit requirements of the poor.

4. Explain the steps taken by the government in developing rural markets.

5. Why is agricultural diversification essential for sustainable livelihoods?
6. Critically evaluate the role of the rural banking system in the process of rural development in India.

7. What do you mean by agricultural marketing?

8. Mention some obstacles that hinder the mechanism of agricultural marketing.

9. What are the alternative channels available for agricultural marketing? Give some examples.

10. Explain the term ‘Golden Revolution’.

11. Explain four measures taken by the government to improve agricultural marketing.

12. Explain the role of non-farm employment in promoting rural diversification.

13. Bring out the importance of animal husbandry, fisheries and horticulture as a source of diversification.

14. ‘Information technology plays a very significant role in achieving sustainable development and food security’ — comment.

15. What is organic farming and how does it promote sustainable development?

16. Identify the benefits and limitations of organic farming.

17. Enlist some problems faced by farmers during the initial years of organic farming.

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