

Green Skills: 5.2

(Class XII, Employability Skills)

1. How green jobs play an important role to save our environment? Explain the role of Green Jobs.

Ans. ROLE OF GREEN JOBS:

- i. **In toxin free homes:** Collins English Dictionary defines Toxin as “any poisonous substance produced by bacteria, animals, or plants.

Do you think there are toxins in our environment? What is your view of toxins in our homes?



Well, yes, there are toxins present in our environment and environment includes our homes also. In our daily lives we do household work, that releases harmful gases into the atmosphere and contribute to the warming of our planet. Hence, the role of green jobs in our homes is to make them toxin free so that we have a healthy life.

Toxins may be present in our homes in many ways such as – refrigerators releasing CFCs, cleaning and washing products, cosmetics, upholstery fabrics, rugs, mattresses, paint used on the walls, chemicals used to polish the floors, fragrances, some kind of clothes that uses chemicals, use of RO and Microwaves in our kitchens etc. Green jobs will promote the usage of eco-friendly raw materials and conserve energy.

The following is the list of steps; green jobs can take to reduce greenhouse gas emissions;

- Reuse, Reduce, Recycle
- Use less heat and reconditioning
- Replace your light bulbs
- Drive less drive smart
- Buy energy efficient products
- Use less hot water
- Use the off buttons
- Plant a tree.

So, in order to ensure that our homes are safe from toxins and healthy places to breathe people with green collar jobs help us maintain a healthy environment.

- ii. **In improving energy and raw material use:** The exhaustive list of Green jobs mentioned above elaborately describes their role in improving the quality of energy. The energy produced through hydro-electric power plants, thermal power plants, nuclear power plants has grave consequences on the environment. Using alternate source of energy to produce electricity will not only minimize the exploitation of resources but will help the economy to flourish.
- iii. **Limiting greenhouse gas emission:** The alternates that the green jobs provide for sustainable development definitely help curb the emission of greenhouse gases. With the promotion of use of renewable sources in our homes and daily life, green jobs promise to limit the emission of harmful gases.
- iv. **Minimizing waste and pollution:** This problem has come a long way and the probable solution to this has been provided in 4R^s of sustainable development – REFUSE, REDUCE, REUSE & RECYCLE. Following these has definitely helped minimize the waste and pollution. But, the recyclers job at its best is trying to put a full stop to this problem. The concept of upcycling and the avenues it has created for a green market are luring and helps resolve this problem to a great extent.
- v. **Protecting and restoring ecosystems:** Various NGOs across the globe are working day and night to protect the wildlife, forests, endangered species etc. With their efforts we have been able to protect and restore the degrading eco system that would otherwise have collapsed much earlier. Their conscious efforts have certainly helped create awareness and sensitize masses to join hands together to have a sustainable ecosystem.
- vi. **Support adaptation to the effects of climate change:** Nature Scientist at every point of time keeps us aware about the changes happening in our environment. It is because of them that we are able to prepare ourselves for the worst of the environmental changes and take measures to curb our ways to undo climate changes.

2. Which types of jobs in Solar Power and Wind Power?

Ans. Green jobs in Solar and wind power: The green jobs are as follows-

- i. **Energy Auditors:** They conduct audits determine how energy efficient the building/home are.
- ii. **Chief Sustainability Officers:** They oversee green activities in their organization.
- iii. **Wind/ Solar energy Engineers:** They design and develop wind farm systems

3. What is the role of Green Jobs in Water Conservation?

Ans. Role of green jobs in Water Conservation: To protect existing and future water supplies, by ensuring that resources are not mismanaged, over exploited or otherwise used in manner that would be considered damaging.

4. Which types of Jobs are created in Water Conservation Sector?

Ans. The Green jobs in water conservation are-

- i. Water treatment specialist.
- ii. Water Auditor
- iii. Water policy Analyst
- iv. Water resource planning manager
- v. Water Quality Monitoring
- vi. Water conservation Representative.

The above mentioned opening are anywhere, where there is a natural water supply for all users and future generations, identify potential problems to the ecology or environmental health and mitigate them.

5. Which types of Green Jobs in waste Reduction Recycling and Reuse Sector?

Ans. Green jobs in waste Reduction Recycling and Reuse: Eco cycle- zero waste creates jobs, recycling, composting and reusing create a lot green jobs. Recycling and reuse create at least 9 times more jobs than landfills and incinerators. E.g. we need force for collecting, processing and preparing materials.

Its common knowledge that recycling materials helps the environment by reducing waste..... depending on materials manufacturers can save up to 60% of their production costs by using recycled materials rather than obtaining, refining and extracting brand new substances, e.g. paper, aluminium, plastics.

6. Which types of Green Jobs opportunities in Tourism Sector?

Ans. Green jobs in Tourism: Indonesia is an example of green tourism. Green tourism is also referred as 'New experience economy', green tourism offers new tourism paradigm; we pay to do things, not to have new things. Tourists are buying experience not product. It promotes tourists to be prosumers, i.e. to care about the future. Green tourism makes an optimal use of environmental resources. The following are the principles of green tourism; Respect socio

cultural authenticity of host country. Provide adequate wages and safe working conditions. Green jobs are required to plan-

- i. Destination management
- ii. Destination managers.
- iii. Trainers.

7. Explain the different Green Jobs opportunities in Building and Construction sectors?

Ans. Green Jobs in building and construction: Green buildings use eco-friendly materials, benefit environment by conserving energy. There are plenty of jobs in the construction sector, this sector employs millions of people, but suffers from a skill shortfall. Attracting talent and investment is a key challenge. Green building offers a chance to be part of the solution to global challenges.

The list of green jobs is as follows:

- i. Construction worker, crew member
- ii. Designer
- iii. Carpenters
- iv. Building Planner and coordinators
- v. Insulators
- vi. Weatherization
- vii. Concrete labours
- viii. Highway labourers
- ix. Demolition experts

8. How green jobs play a role in limiting greenhouse gases emissions?

Ans. Role of green Jobs in limiting Greenhouse emissions: The key to environmental protection is to prevent the degradation of the natural environment, which is important for all living creatures, one of the biggest problem in the environment is related to fossil fuels, which leads to pollution, climate change and natural resource depletion.

Green jobs are decent jobs that contribute to preserve or restore the environment, be they in traditional sectors, such as in manufacturing and construction sectors or in the emerging green sectors such as renewable energy.

9. Practical Activity:

- ✓ **In groups, prepare a power point presentation elaborating and discussing the role of green jobs in our daily life. Remember to incorporate how Sustainable Development will be impacted in their absence.**
- ✓ **Identify one area of difference you want to make. How would you do that? What is your idea? What are the resources required to bring in the changes you think would work?**

Ans. Self-study/practice.

MEANING OF GREEN JOBS

Green jobs are jobs which are friendly for the nature and for the Earth.

They could be created in every sector of economy.

They are mostly associated with renewable energetics, waste disposal and public transport.



10. What do you understand by Natural Resources?

Ans. Natural resources come in many forms. The things include water, land, soils, rocks, forests, animals, fossils fuels and minerals are called natural resources as they are the basis of life on earth.

It may also be organic or inorganic. It may also be metallic or non-metallic.