

National Testing Agency

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Strategies and Models for Sustainability

Group Number :	1
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Strategies and Models for Sustainability-1

Section Id :	603489419
Section Number :	1
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Number of Questions :	50
Number of Questions to be attempted :	50
Section Marks :	100
Enable Mark as Answered Mark for Review and Clear Response :	Yes
Sub-Section Number :	1
Sub-Section Id :	603489757
Question Shuffling Allowed :	Yes

Question Number : 1 Question Id : 60348919892 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No
Correct Marks : 2 Wrong Marks : 0

Who coined term "Green Revolution"

- 1. Prof. M.S. Swaminathan
- 2. Dr. Willian S. Gaud
- 3. Dr. Norman Borlaug
- 4. William Paddock

Options :

- 60348974733. 1
- 60348974734. 2
- 60348974735. 3
- 60348974736. 4

Question Number : 2 Question Id : 60348919893 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No
Correct Marks : 2 Wrong Marks : 0

Green Revolution refers to_____.

- 1. Use of green manure
- 2. Grow diverse crops
- 3. High Yield Variety Programme
- 4. Green Vegetation

Options :

60348974737. 1

60348974738. 2

60348974739. 3

60348974740. 4

Question Number : 3 Question Id : 60348919894 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

What does ENVIS stand for?

1. Environment Informational Schedule
2. Environmental Information System
3. Ecological Information System
4. Ecology India System

Options :

60348974741. 1

60348974742. 2

60348974743. 3

60348974744. 4

Question Number : 4 Question Id : 60348919895 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

Four domains of circles of sustainability, used by the United Nations are

1. Economic, Ecological, Political, Cultural
2. Economic, Social, Political, Cultural
3. Economic, Ecological, Social, Cultural
4. Economic, Ecological, Political, Social

Options :

60348974745. 1

60348974746. 2

60348974747. 3

60348974748. 4

Question Number : 5 Question Id : 60348919896 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

Which of the following represent Quantitive models

1. Venn diagram
2. Graphic representation
3. Statistical
4. Visualisation

Options :

60348974749. 1

60348974750. 2

60348974751. 3

60348974752. 4

Question Number : 6 Question Id : 60348919897 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

Which of the following disease is more prevalent in areas of Open defecation

1. Cancer
2. Diarrohea
3. Tuberculosis
4. Osteomalacia

Options :

60348974753. 1

60348974754. 2

60348974755. 3

60348974756. 4

Question Number : 7 Question Id : 60348919898 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

UN declared World Toilet Day on

1. 14th November
2. 19th November
3. 30th November
4. 16th December

Options :

60348974757. 1

60348974758. 2

60348974759. 3

60348974760. 4

Question Number : 8 Question Id : 60348919899 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

Which is incorrect statement for Value Addition in the Context of Sustainability

1. Value Added should be able to reduce inputs and increase outputs.
2. Value Added should compromise with the share of the resources of the future generation.
3. Value Added should make the product or its merit last longer than the usual.
4. Value Added should bring in new and different positive merits

Options :

60348974761. 1

60348974762. 2

60348974763. 3

60348974764. 4

Question Number : 9 Question Id : 60348919900 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

Choose the correct sequence of 5S steps of a workplace organization process

1. Sort, Set in Order, Shine, Standardize, Sustain
2. Standardize, Sustain, Sort, Set in Order, Shine
3. Sort, Standardize, Sustain, Set in Order, Shine
4. Set in Order, Shine, Standardize, Sustain, Sort

Options :

60348974765. 1

60348974766. 2

60348974767. 3

60348974768. 4

**Question Number : 10 Question Id : 60348919901 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No**

Correct Marks : 2 Wrong Marks : 0

Which of the following is not part of 4R of Waste Management is

1. Reduce
2. Reuse
3. Recover
4. Resource

Options :

60348974769. 1

60348974770. 2

60348974771. 3

60348974772. 4

**Question Number : 11 Question Id : 60348919902 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No**

Correct Marks : 2 Wrong Marks : 0

Which of the waste is not biodegradable

1. Radioactive
2. Agricultural wastes
3. Paper
4. Manure

Options :

60348974773. 1

60348974774. 2

60348974775. 3

60348974776. 4

**Question Number : 12 Question Id : 60348919903 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No**

Correct Marks : 2 Wrong Marks : 0

What is the order of waste management hierarchy, from most to least favoured

1. Prevention- Recycle-Reuse- Disposal
2. Prevention-Reuse-Disposal-Recycle
3. Prevention-Disposal -Reuse-Recycle
4. Prevention-Reuse-Recycle-Disposal

Options :

60348974777. 1

60348974778. 2

60348974779. 3

60348974780. 4

**Question Number : 13 Question Id : 60348919904 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No**

Correct Marks : 2 Wrong Marks : 0

What are the methods in which energy can be recovered from Waste to energy?

(I) Heat

(II) Electricity

(III) Co-generation

1. By (I) and (II)
2. By (II) and (III)
3. By (I), (II) and (III)
4. None of these

Options :

60348974781. 1

60348974782. 2

60348974783. 3

60348974784. 4

**Question Number : 14 Question Id : 60348919905 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No**

Correct Marks : 2 Wrong Marks : 0

What is the process flow in a integrated solid waste management system?

1. Generation-Source separation- facility separation-collection- Transfer and transport-Landfill
2. Generation-Source separation-collection- Transfer and transport -facility separation-Landfill
3. Generation-Source separation-collection-facility separation-Transfer and transport-Landfill
4. Generation-Source separation-collection- Landfill -facility separation-Transfer and transport

Options :

60348974785. 1

60348974786. 2

60348974787. 3

60348974788. 4

**Question Number : 15 Question Id : 60348919906 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No**

Correct Marks : 2 Wrong Marks : 0

The average composition of Municipal solid waste is:

1. 41% organic, 40% inert & 19% recyclable
2. 20% organic, 60% inert & 20% recyclable
3. 30% organic, 20% inert & 50% recyclable
4. 19% organic, 41% inert & 40% recyclable

Options :

60348974789. 1

60348974790. 2

60348974791. 3

60348974792. 4

**Question Number : 16 Question Id : 60348919907 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No**

Correct Marks : 2 Wrong Marks : 0

Two Phases of NEPED ranges from

1. Phase I (1990-1995), Phase II (1995-2000)
2. Phase I (1995-2000), Phase II (2001-2006)
3. Phase I (1980-1985), Phase II (1986-1990)
4. Phase I (1975-1980), Phase II (1981-1985)

Options :

60348974793. 1

60348974794. 2

60348974795. 3

60348974796. 4

**Question Number : 17 Question Id : 60348919908 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No**

Correct Marks : 2 Wrong Marks : 0

Which of the following statement is not the Goal of NEPED

1. Develop alternative approaches for shifting cultivation
2. Increase the income of the people of Nagaland
3. Enhance the capabilities of the local Institutions to manage natural resources
4. Exploit ecological resources for benefit of People of Nagaland

Options :

60348974797. 1

60348974798. 2

60348974799. 3

60348974800. 4

**Question Number : 18 Question Id : 60348919909 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No**

Correct Marks : 2 Wrong Marks : 0

Indian Himalayan region occupy % of India's Total Geographic Area.

1. 5
2. 10
3. 18
4. 40

Options :

60348974801. 1

60348974802. 2

60348974803. 3

60348974804. 4

**Question Number : 19 Question Id : 60348919910 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No**

Correct Marks : 2 Wrong Marks : 0

Egg of Sustainability Model was originally designed in 1994 by

1. World Bank
2. UNDP
3. IUCN
4. UNESCO

Options :

60348974805. 1

60348974806. 2

60348974807. 3

60348974808. 4

**Question Number : 20 Question Id : 60348919911 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No**

Correct Marks : 2 Wrong Marks : 0

International Decade of Education for Sustainable Development is

1. 2001-2010
2. 2005-2014
3. 2010-2020
4. 1990-2020

Options :

60348974809. 1

60348974810. 2

60348974811. 3

60348974812. 4

**Question Number : 21 Question Id : 60348919912 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No**

Correct Marks : 2 Wrong Marks : 0

Integrated Farming System (IFS) is more sustainable approach than Conventional Farming System (CFS) because of

1. Higher net return
2. More Employment Opportunity
3. Improved soil quality
4. All of these

Options :

60348974813. 1

60348974814. 2

60348974815. 3

60348974816. 4

**Question Number : 22 Question Id : 60348919913 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No**

Correct Marks : 2 Wrong Marks : 0

Choose the incorrect statement from the following

1. White revolution is meant for increase in milk production
2. Blue revolution is meant for increase in fish production
3. Increasing food production without compromising with environmental quality is called as sustainable agriculture
4. None of these

Options :

60348974817. 1

60348974818. 2

60348974819. 3

60348974820. 4

**Question Number : 23 Question Id : 60348919914 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No**

Correct Marks : 2 Wrong Marks : 0

The purpose of georeferencing is to

1. Converting data to a feature class
2. Projecting your data so that it has no distortion
3. Assigning geographic location information
4. Combining two data set

Options :

60348974821. 1

60348974822. 2

60348974823. 3

60348974824. 4

**Question Number : 24 Question Id : 60348919915 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No**

Correct Marks : 2 Wrong Marks : 0

Repetitive observations of the same area at equal interval of time, are useful to monitor the dynamic phenomena

1. Lithology
2. Vegetative cover
3. Buildings
4. Groundwater

Options :

60348974825. 1

60348974826. 2

60348974827. 3

60348974828. 4

**Question Number : 25 Question Id : 60348919916 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No**

Correct Marks : 2 Wrong Marks : 0

Which of the following is not the part of Three Tier Knowledge Network

1. Facilitating Agency or Hub
2. Village Resource Centre
3. Village Knowledge Centre
4. Biovillage

Options :

60348974829. 1

60348974830. 2

60348974831. 3

60348974832. 4

**Question Number : 26 Question Id : 60348919917 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No**

Correct Marks : 2 Wrong Marks : 0

The Apex institution in the spare of agriculture credit is:

1. State Bank of India
2. Reserve Bank of India
3. Regional Rural of Bank
4. NABARD

Options :

60348974833. 1

60348974834. 2

60348974835. 3

60348974836. 4

**Question Number : 27 Question Id : 60348919918 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No**

Correct Marks : 2 Wrong Marks : 0

Circular Economy is based on

1. Design out waste and pollution
2. Keep products and materials in use
3. Regenerate natural systems
4. All of these

Options :

60348974837. 1

60348974838. 2

60348974839. 3

60348974840. 4

**Question Number : 28 Question Id : 60348919919 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No**

Correct Marks : 2 Wrong Marks : 0

Green Skill Development Programme (GSDP) was launched in

1. 2000
2. 2004
3. 2014
4. 2017

Options :

60348974841. 1

60348974842. 2

60348974843. 3

60348974844. 4

**Question Number : 29 Question Id : 60348919920 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No**

Correct Marks : 2 Wrong Marks : 0

India ranked First in production of

1. Milk
2. Fruits
3. Vegetable
4. Cereals

Options :

60348974845. 1

60348974846. 2

60348974847. 3

60348974848. 4

**Question Number : 30 Question Id : 60348919921 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No**

Correct Marks : 2 Wrong Marks : 0

Grid-based Resource Information and Decision Support System (GRIDSS) involve comprehensive information about sustainable Management of

1. Natural Resources
2. Agriculture
3. Cooperatives
4. Industrial cluster

Options :

60348974849. 1

60348974850. 2

60348974851. 3

60348974852. 4

**Question Number : 31 Question Id : 60348919922 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No**

Correct Marks : 2 Wrong Marks : 0

Which of the following is example of Hard Infrastructure

1. Institutional
2. Industrial
3. Cultural
4. Transportation

Options :

60348974853. 1

60348974854. 2

60348974855. 3

60348974856. 4

**Question Number : 32 Question Id : 60348919923 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No**

Correct Marks : 2 Wrong Marks : 0

Which of the following is incorrect approach in infrastructure development based on the principles of sustainability

1. New infrastructure does not require any understanding about finiteness of all the consumables for the construction.
2. Geographic and demographic proximity of input resources involved in the construction/creation of any infrastructure.
3. Overcoming the existing skews and avoiding the new skews in the development of infrastructure based on the urban-rural divide.
4. Dating the existing infrastructure and assessing obsolescence

Options :

60348974857. 1

60348974858. 2

60348974859. 3

60348974860. 4

**Question Number : 33 Question Id : 60348919924 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No**

Correct Marks : 2 Wrong Marks : 0

According to the Joint Monitoring Program for Water Supply and Sanitation by the World Health Organization and UNICEF the following is considered as "improved" sanitation solutions: -

1. Public or shared latrine
2. Open pit latrine
3. Bucket latrines
4. Ventilated improved pit latrine

Options :

60348974861. 1

60348974862. 2

60348974863. 3

60348974864. 4

Question Number : 34 Question Id : 60348919925 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

Which of the following is correct statement about White Agriculture

1. It is defined as an approach that brings together agricultural development and conservation of biodiversity as explicit objectives in the same landscape
2. Agricultural systems that promote the environmentally, socially and economically sound production of food and fibre
3. A system of agriculture based on production of milk
4. A system of agriculture based on substantial use of microorganisms, particularly fungi.

Options :

60348974865. 1

60348974866. 2

60348974867. 3

60348974868. 4

Question Number : 35 Question Id : 60348919926 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

Value Addition in any Indian Industry should not have the goal of

1. Provide more opening of income generation out of value add so as to overcome the economic and environmental hurdles on the way to progress of civilization.
2. The current generation of lives should be able to value the resources so that the correct valuation is effective and correct in the long run.
3. Value addition leading to over valuation or under valuation should be identifiable with the right procedures and techniques.
4. Value Addition should have negative impact at the output, outcome and the macroeconomic level

Options :

60348974869. 1

60348974870. 2

60348974871. 3

60348974872. 4

**Question Number : 36 Question Id : 60348919927 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No**

Correct Marks : 2 Wrong Marks : 0

Which of the following strategy does not pertain to Eco-Agriculture

1. Creation of biodiversity reserves that also benefit local communities.
2. Development of habitat networks with agriculture in nonfarmed areas
3. Enhance agriculture production with extensive use of fertilizers and pesticide
4. Reduction or even reversal of the conversion of wild lands into agriculture by increasing farm productivity

Options :

60348974873. 1

60348974874. 2

60348974875. 3

60348974876. 4

**Question Number : 37 Question Id : 60348919928 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No**

Correct Marks : 2 Wrong Marks : 0

Term "Ecoagriculture" was coined by

1. Prof. M.S. Swaminathan
2. Norman Borlaug
3. Dr. William S. Gaud
4. Jeffrey A. McNeely and Sara J. Scherr

Options :

60348974877. 1

60348974878. 2

60348974879. 3

60348974880. 4

**Question Number : 38 Question Id : 60348919929 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No**

Correct Marks : 2 Wrong Marks : 0

"Green agriculture" is a system of cultivation with the help of following

1. Integrated pest management (IPM)
2. Integrated nutrient supply (INM)
3. Integrated natural resources management (INRM) systems.
4. All of these

Options :

60348974881. 1

60348974882. 2

60348974883. 3

60348974884. 4

**Question Number : 39 Question Id : 60348919930 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No**

Correct Marks : 2 Wrong Marks : 0

"Food Security" at individual level depends on

1. Availability
2. Access
3. Absorption
4. All of these

Options :

60348974885. 1

60348974886. 2

60348974887. 3

60348974888. 4

**Question Number : 40 Question Id : 60348919931 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No**

Correct Marks : 2 Wrong Marks : 0

The distinction between the commonly used term 'entrepreneurship' and the 'ecopreneurship' lies in matter of

1. Cost Benefit Analysis
2. Sustainability Analysis
3. Ecological integrity
4. None of these

Options :

60348974889. 1

60348974890. 2

60348974891. 3

60348974892. 4

**Question Number : 41 Question Id : 60348919932 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No**

Correct Marks : 2 Wrong Marks : 0

The symbiotic linkages between the data/ information holders/providers and the seekers/users of such information as is relevant/needed for livelihoods and well being of the rural people is known as

1. Lab-to-Lab
2. Lab-to-Land
3. Land-to-Lab
4. Land-to-Land

Options :

60348974893. 1

60348974894. 2

60348974895. 3

60348974896. 4

Question Number : 42 Question Id : 60348919933 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

Zero Emissions Research Initiatives(ZERI) Methodology was initiated by following Country

1. India
2. China
3. Singapore
4. Japan

Options :

60348974897. 1

60348974898. 2

60348974899. 3

60348974900. 4

Question Number : 43 Question Id : 60348919934 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

“Cleaner Production” does not have following elements

1. Precautionary Approach
2. Preventive Approach
3. Integrated and Holistic Approach
4. Polluter Pay approach

Options :

60348974901. 1

60348974902. 2

60348974903. 3

60348974904. 4

**Question Number : 44 Question Id : 60348919935 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No**

Correct Marks : 2 Wrong Marks : 0

Which of the following statement/s is/are correct about Integrated Nutrient Management

1. Nutrient cycling with synchrony between demand of crops and nutrient release within the soil
2. Minimize loss of nutrients through leaching, runoff, volatilization and immobilization
3. Both of the options mentioned
4. None of these

Options :

60348974905. 1

60348974906. 2

60348974907. 3

60348974908. 4

**Question Number : 45 Question Id : 60348919936 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No**

Correct Marks : 2 Wrong Marks : 0

Green agriculture involves

1. Small and judicious inputs of mineral fertilizers and chemical pesticide
2. Larger quantities of biofertilizers and biopesticides
3. Better aeration and appropriate soil and farming conditions
4. All of these

Options :

60348974909. 1

60348974910. 2

60348974911. 3

60348974912. 4

**Question Number : 46 Question Id : 60348919937 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No**

Correct Marks : 2 Wrong Marks : 0

Which of the following statement is not correct about Community-led Total Sanitation

1. It is radically different approach to rural sanitation in developing countries
2. It uses community-led methods such as participatory mapping and analyzing pathways
3. It is individual level facility of having laterine at house
4. It address sociocultural attitudes toward sanitation and involve women as agents of change.

Options :

60348974913. 1

60348974914. 2

60348974915. 3

60348974916. 4

**Question Number : 47 Question Id : 60348919938 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No**

Correct Marks : 2 Wrong Marks : 0

Zero Emissions Research and Initiatives' (ZERI) Methods involve

1. Zero Water Waste
2. Zero Solid Waste
3. Zero Waste In The Air
4. All of these

Options :

60348974917. 1

60348974918. 2

60348974919. 3

60348974920. 4

**Question Number : 48 Question Id : 60348919939 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No**

Correct Marks : 2 Wrong Marks : 0

What is the world's largest potential source of biomass energy?

1. Animal waste
2. Industrial waste
3. Fibrous waste of the Sugar industry
4. Fibrous waste of the biomass industry

Options :

60348974921. 1

60348974922. 2

60348974923. 3

60348974924. 4

**Question Number : 49 Question Id : 60348919940 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No**

Correct Marks : 2 Wrong Marks : 0

Which of following State of India does not cover Indian Himalaya

1. Jammu and Kashmir
2. Himachal Pradesh
3. Uttarakhand
4. Punjab

Options :

60348974925. 1

60348974926. 2

60348974927. 3

60348974928. 4

**Question Number : 50 Question Id : 60348919941 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No**

Correct Marks : 2 Wrong Marks : 0

What kind of reactions happens in corrosive waste?

1. Physical
2. Electro-chemical
3. Chemical
4. Biological

Options :

60348974929. 1

60348974930. 2

60348974931. 3

60348974932. 4