

MSD-016

PROGRAMME NAME: Post Graduate Diploma in
Sustainability Science

PROGRAMME CODE: PGDSSOL

COURSE TITLE: Strategies and models for
sustainability

Marks per question-2 Total marks-100 Time duration-180 minutes

1. Green Revolution refers to _____ .
 - A) Use of green manure
 - B) Grow diverse crops
 - C) High Yield Variety Programme
 - D) Green Vegetation

2. When the consumption of natural resources are equal to nature's ability to replenish then sustainability is
 - A) not sustainable
 - B) steady state economy
 - C) environmentally sustainable
 - D) none of the above

3. Modern concept of sustainable development focuses more on
 - A) economic development
 - B) social development
 - C) environmental protection
 - D) all of the above

4. The criterion for corporate sustainability
 - A) eco-efficiency
 - B) socio-efficiency
 - C) both A) and B)
 - D) none of the above

5. A promising direction towards sustainable development is to design systems that are
 - A) flexible and irreversible
 - B) flexible and reversible
 - C) inflexible and reversible
 - D) inflexible and irreversible

6. Numbers of Sustainable Development Goals (SDGs) by United Nations is
 - A) 15
 - B) 16
 - C) 17
 - D) 18

7. Which of the following represent Quantitative models?
 - A) Venn diagram
 - B) graphic representation
 - C) Statistical
 - D) Visualisation

8. Which of the following is not vector borne disease
- A) Dengue fever
 - B) West Nile Virus
 - C) Malaria
 - D) Asthma
9. Which of the following year was "The International Year of Sanitation"?
- A) 2015
 - B) 2020
 - C) 2008
 - D) 2010
10. Choose the correct sequence of 5S steps of a workplace organization process.
- A) Sort, Set in Order, Shine, Standardize, Sustain
 - B) Standardize, Sustain, Sort, Set in Order, Shine
 - C) Sort, Standardize, Sustain, Set in Order, Shine
 - D) Set in Order, Shine, Standardize, Sustain, Sort
11. Which of the gas is not harmful for Environment?
- A) Carbon dioxide (CO₂)
 - B) Methane (CH₄)
 - C) Chlorofluorocarbon (CFC)
 - D) Oxygen (O₂)

12. Which of the following statement regarding recycling is wrong?

- A) Saves precious resources
- B) Require stable market
- C) Improves efficiency of treatment processes
- D) Increases the needs for mining virgin materials

13. What is the process flow in an integrated solid waste management system?

- A) Generation-Source separation- facility separation- collection-Transfer and transport-Landfill
- B) Generation-Source separation-collection-Transfer and transport-facility separation-Landfill
- C) Generation-Source separation-collection-facility separation-Transfer and transport-Landfill
- D) Generation-Source separation-collection-Landfill-facility separation-Transfer and transport

14. Which of the following wastes has high ratio of the Rural Solid Waste (MSW)?

- A) Food wastes
- B) Wood pieces
- C) Plastic cans
- D) Plastic bottles

15. Which of the following statement (s) is true about zero waste management?

- A) Separate collection of each kind of waste
- B) Segregation of garbage at the source

- C) Community involvement
- D) All of the above

16. NEPED stands for

- A) Nagaland Empowerment of People through Economic Development
- B) Nagaland Economic of People through Ecological Department
- C) Nagaland Entrepreneurship of People through Energy Dimensions
- D) Nagaland Ecological Protection through Economic Department

Nagaland Empowerment of People through Economic Development

17. What is an ignitable waste?

- A) Waste which can burn relatively at low temperatures
- B) Waste which can burn relatively at high temperatures
- C) Waste which don't burn
- D) Waste which don't produce temperature

18. Which of the following is not example of Pictorial visualization models?

- A) Venn diagram
- B) Graphic representation
- C) Pictures and drawing
- D) Mathematical Model

19. International Decade of Education for Sustainable Development was.

- A) 2001-2010
- B) 2005-2014
- C) 2010-2020
- D) 1990-2020

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

- A) Higher net return
- B) More Employment Opportunity
- C) Improved soil quality
- D) All of the above

21. The most recommended depth of pond for fish rearing is

- A) 1-2 m
- B) 1.5-2 m
- C) 3-4 m
- D) 5-6 m

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

- A) Animal waste
- B) Industrial waste
- C) Fibrous waste of the paper industry
- D) Fibrous waste of the sugar industry

23. The purpose of geo-referencing is to:
- A) Converting data to a feature class
 - B) Projecting your data so that it has no distortion
 - C) Assigning geographic location information
 - D) Combining two data set
24. Which of the following is not the part of Three Tier Knowledge Network?
- A) Facilitating Agency or Hub
 - B) Village Resource Centre
 - C) Village Knowledge Centre
 - D) Biovillage
25. Circular Economy is based on
- A) Design out waste and pollution
 - B) Keep products and materials in use
 - C) Regenerate natural systems
 - D) Ali of the above
26. Grid-based Resource information and Decision Support System (GRIDSS) involve comprehensive information about sustainable management of
- A) Natural Resources
 - B) Agriculture
 - C) Cooperatives
 - D) Industrial cluster

27. Which of the following is correct option for Archiving mode process for infrastructure development?
- A) Remove a normal annually renewable stone road
 - B) Increase the reach capacity or the quality and the quantity of an existing infrastructure.
 - C) Preserving the existing infrastructure for aesthetic value
 - D) Completely discard the existing infrastructure for a new approach
28. Which of the following should not be the goal of value addition in any Indian industry?
- A) 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.
 - B) 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
 - C) Value addition leading to over valuation or under valuation should be identifiable with the right procedures and techniques.
 - D) Value Addition should have negative impact on the output, outcome and the macroeconomic level
29. Which of the following strategy does not pertain to Eco-Agriculture?
- A) Creation of biodiversity reserves that also benefit local communities.
 - B) Development of habitat networks with agriculture in nonfarmed areas
 - C) Enhance agriculture production with extensive use of fertilizers and pesticide

D) Reduction or even reversal of the conversion of wild lands into agriculture by increasing farm productivity

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

- A) Integrated pest management (IPM)
- B) Integrated nutrient supply (INM)
- C) Integrated natural resources management (INRM) systems.
- D) All the above

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

- A) Cost Benefit Analysis
- B) Sustainability Analysis
- C) Ecological integrity
- D) None of the above

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

- A) India
- B) China
- C) Singapore
- D) Japan

33. Which of the following is off farm eco-enterprises

- A) Pulse cultivation
- B) Fodder production

- C) System of Rice Cultivation
- D) Mangrove nursery

34. Concept and technology of Effective Microorganisms (EM) was developed by

- A) Professor Teruo Higa
- B) Prof. Fukuoka
- C) Dr. Willian S. Gaud
- D) Prof. Stevenson, Z

35. Father of Green Revolution in India is

- A) R. Lal
- B) B. P. Pal
- C) Gurudev Khush
- D) M. S. Swaminathan

36. 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:

- A) Public or shared latrine
- B) Open pit latrine
- C) Ventilated improved pit latrine
- D) Bucket latrines

37. Green Skill Development Programme (GSDP) was launched in

- A) 2000

- B) 2004
- C) 2014
- D) 2017

38. The Apex institution in the sphere of agriculture credit is:

- A) State Bank of India
- B) Reserve Bank of India
- C) Regional Rural of Bank
- D) NABARD

39. Remote Sensing is unique because it provides:

- A) Synoptic view
- B) Special information
- C) Superior information
- D) Encrypted information

40. Which among the following enterprises provide constant income?

- A) Poultry
- B) Dairy
- C) Fishery
- D) Apiculture

41. Integrated Farming System (IFS) is farming practices for

- A) Only Crops
- B) Only Livestock
- C) Neither of A) and B)

D) Both of A) and B)

42. The Capital Stock Model consist of

- A) Ecological Capital
- B) Human Capital
- C) Social Capital
- D) All of the above

43. Which of the following statement is not the Goal of NEPED

- A) Develop alternative approaches for shifting cultivation
- B) Increase the income of the people of Nagaland
- C) Enhance the capabilities of the local Institutions to manage natural resources
- D) Exploit ecological resources for benefit of People of Nagaland

44. The term ISWM refers to:

- B) International Solid Waste Management
- B) Integrated Solid Waste Management
- C) Integrated Solid Waste Machine
- D) International Solid Waste Mechanism

45. The process of burning municipal solid wastes under suitable temperature and conditions in a

Specific furnace is called _____ .

- A) Landfill

- B) Incineration
- C) Recycling
- D) Vermicomposting

46. Which of the following solid wastes describes the term 'Municipal Solid Waste'?

- A) Toxic
- B) Hazardous
- C) Non-toxic
- D) Non-hazardous

47. What does ENVIS stand for?

- A) Environment Informational Schedule
- B) Environmental Information System
- C) Ecological Information System
- D) Ecology India System

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

- A) Reduce
- B) Reuse
- C) Recover
- D) Resource

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

- A) Cancer

- B) Diarrohea
- C) Tuberculosis
- D) Osteomalacia

50. Which of the following statement about sanitation is not correct?

- A) It is provision of facilities and services for the safe disposal of human urine and feces.
- B) It is maintenance of hygienic conditions, through services such as garbage collection and wastewater disposal.
- C) It is a method for generation of electricity
- D) It is a basic, as well as a long-standing, public health issue