

END-SEMESTER UG EXAMINATION MARCH-APRIL 2016**MODEL QUESTION PAPER****ADDITIONAL CORE COURSE****15U2ARENV1: Environmental Studies****Time: 3 Hours****Max. Marks: 75****General Instructions**

Sections	Question Types	No. of Questions	Instructions	Marks
PART A	Multiple Choice Questions	50	Answer ALL Questions	50x1=50
PART B	Short Essay Type Questions	8	Answer ANY FIVE (5) Questions	5x5=25

1. Questions from serial No. 1 to 50 are multiple choice questions. These are to be answered by selecting the correct choice in your Question cum Answer Booklet.
2. Using an HB Pencil or Blue/Black Pen, circle the letter of the correct answer
3. If you need to change an answer, erase the original mark thoroughly, and then mark your alternative answer. You may also cross out the original circle and mark the new answer
4. Questions from serial No. 51 to 58 are Short Essay Type Questions. These are to be answered in the space provided (Answer any 5) against each question. No additional sheets will be provided.

Part A

(Answer ALL questions)

1. Chipko movement is connected with
 - A. Conservation of natural resources
 - B. Plant breeding
 - C. **Plant/Forest conservation**
 - D. Project Tiger
2. World wildlife week is observed during
 - A. **First week of October**
 - B. Last week of October
 - C. Third week of October
 - D. First week of September
3. The book "Silent Spring" was written by
 - A. Madhav Gadgil
 - B. Anil Agarwal
 - C. **Rachel Carson**
 - D. E.O.Wilson

4. "Earth provides enough to satisfy every man's need, but not for every man's greed" words by
- A. Tagore
 - B. **Gandhiji**
 - C. Nehru
 - D. None
5. World Forest day is celebrated on
- A. **21st March**
 - B. 5th June
 - C. 1st December
 - D. 7th June
6. The area where all the living organisms interact with each other and their Environment is _____
- A. **Biosphere**
 - B. Exosphere
 - C. Mesosphere
 - D. Atmosphere
7. Major consumer of wood from forest is _____
- A. Thermal Power Plant
 - B. **Paper Industry**
 - C. Chemical Industry
 - D. Furniture Industry
8. The main energy source for the environment is _____
- 1. **Solar energy**
 - 2. Chemical energy
 - 3. Bioelectric energy
 - 4. Electrical energy
9. Energy is returned to the atmosphere in the form of
- A. potential energy
 - B. metabolic energy
 - C. **heat**
 - D. vapors
10. The place where the river meets the sea is called
- A. **Estuaries**
 - B. Oceans
 - C. Lake
 - D. Wetlands
11. Grassland of USA is referred to as
- A. **Prairies**
 - B. Steppes
 - C. Pampas
 - D. Veldts

12. Extensive planting trees to increase forest cover is called
- A. **Afforestation**
 - B. Agroforestry
 - C. Deforestation
 - D. Social forestry
13. What is Pedology?
- A. Study of water
 - B. Study of air
 - C. **Study of soil**
 - D. Study of ocean
14. Heating of atmosphere by radiation accelerate the process of
- A. Condensation
 - B. Rain formation
 - C. Precipitation
 - D. **Evaporation**
15. Atmospheric humidity is measured by
- A. Auxanometer
 - B. Photometer
 - C. **Hygrometer**
 - D. Anemometer
16. The complex network of interconnected food chains is called _____
- A. Trophic level
 - B. **Food web**
 - C. Ecological pyramid
 - D. Ecology chain
17. Ramsar Convention refers to the conservation of _____
- A. Deserts
 - B. **Wetlands**
 - C. Agriculture lands
 - D. Forest land
18. The area to which a species is biologically adapted to live is known as _____
- A. Niche
 - B. **Habitat**
 - C. Succession
 - D. Community
19. An ecosystem gradually merges with an adjoining one through a transitional zone called the _____
- A. Ecological niche
 - B. ecological footprint
 - C. **ecotone**
 - D. shore effect

20. The Primary Consumers are also called as

- A. **Herbivores**
- B. Carnivores
- C. Omnivores
- D. Cannibals

21. Which of the following is an example of lotic water?

- A. Pond
- B. **River**
- C. Lake
- D. Reservoir

22. The source of atmospheric oxygen is

- A. Nitrogen cycle
- B. **Green Plants**
- C. Water
- D. Carbon Cycle

23. Ecology is

- A. The science that studies the evolution of life
- B. The science that integrates both social and natural sciences to help us understand how the earth works
- C. **The study of the relationships between organisms and their environment**
- D. The study of the environment in the absence of humans

24. What is Canopy?

- A. **Uppermost level of the forest**
- B. Ground level of the forest
- C. Soil in forest
- D. Middle level of the forest

25. The first trophic level in a food chain

- A. **Green Plants**
- B. Herbivores
- C. Carnivores
- D. Omnivores

26. The chief chemical element in the biosphere

- A. Oxygen
- B. Nitrogen
- C. Hydrogen
- D. **Carbon**

27. The Indian Parliament passed the Biodiversity Bill in the year _____

- A. 2000
- B. 2005
- C. **2002**
- D. 2007

28. National Park associated with rhinoceros is

- A. **Kaziranga**
- B. Ranthambore
- C. Corbett
- D. Valley of flowers

29. Asiatic lion is found only in

- A. **Gir Forest**
- B. Manas
- C. Kasiranga
- D. Sundarbans

30. Which among the following is an example for ex-situ conservation?

- A. **Zoo**
- B. Wild life sanctuaries
- C. National Parks
- D. Reserve Forests

31. Which of the following is a biodiversity hot spot in India?

- A. **Western Ghats**
- B. Nandadevi
- C. Eastern Ghats
- D. Aravalli

32. Eravikulam National Park conserves

- A. Lion tailed macaque
- B. Tige
- C. Elephant
- D. **Nilgiri Tahr**

33. First National Park in India is

- A. **Jim Corbett National Park**
- B. Bandipur National Park
- C. Gir National Park
- D. Sunderbans National Park

34. The loss of species in tropical countries is mainly due to

- A. pollution
- B. soil erosion
- C. **deforestation**
- D. urbanization

35. Major cause of Ozone depletion is due to which chemical?

- A. **Chlorofluorocarbons**
- B. Polyphenols
- C. Dioxins
- D. Rayon

36. What is oil slick?
- A. Boiled oil
 - B. Cooled oil
 - C. **Thin film of oil in sea water**
 - D. Oil in deep sea
37. Cigarette smoking exposes one to _____
- A. Sulfur dioxide
 - B. Carbon dioxide
 - C. Nitrogen peroxide
 - D. **Carbon monoxide**
38. The historical monument that is affected by acid rain is
- A. **Taj Mahal**
 - B. Pyramid of Egypt
 - C. Pisa Tower
 - D. Golden Temple
39. Noise pollution is measured in terms of
- A. **decibel**
 - B. Dobson units
 - C. Hertz
 - D. Candela
40. Green House effect is caused by
- A. **Increase in CO₂**
 - B. Increase in O₂
 - C. Decrease in O₂
 - D. Decrease in CO₂
41. Which of the following is an e-waste?
- A. Plastic
 - B. Paper
 - C. Industrial effluent
 - D. **Mobile Phone**
42. The World Wetlands Day is celebrated on _____
- A. **February 02**
 - B. February 28
 - C. June 05
 - D. March 21
43. The controversial dam across the river Narmada is
- A. **Sardar Sarovar**
 - B. Hirakud
 - C. Bhakranangal
 - D. Sutlej

44. Which state proposed a ban on all types of polythene packing for the first time in India?
- A. **Himachal Pradesh**
 - B. Madhya Pradesh
 - C. Kerala
 - D. Karnataka
45. Environmental Protection Act was introduced in the year
- A. **1986**
 - B. 1988
 - C. 1972
 - D. 1989
46. The 3 R principle in waste management involves
- A. Reduce, Regain, Reuse
 - B. **Reduce, Reuse, Recycle**
 - C. Reduce, Reform, Reset
 - D. Reduce, Retain, Regain
47. Anthrax disease is caused by
- A. Virus
 - B. **Bacteria**
 - C. Protozoa
 - D. Helminthes
48. The largest preventable cause of cancer is
- A. **Tobacco smoking and chewing**
 - B. Meat consumption
 - C. Egg consumption
 - D. Alcohol consumption
49. What is 'Black Lung'?"
- A. **Occupational Hazard to the miners**
 - B. Occupational Hazard to navigators
 - C. Occupational Hazard to pesticide applicators
 - D. Occupational Hazard to construction workers
50. Infection of HIV is usually detected by
- A. **ELISA test**
 - B. Hybridization
 - C. Gram staining
 - D. Western Blot

Part B

(Answer any 5 questions)

51. Being a graduate student how will you enlist the importance of environmental studies?
52. Describe the values of Biodiversity
53. What do you mean by environmental ethics? How can you relate the ethical basis to environmental education and awareness?

54. What is climate change? Explain the effects of climate change
55. Explain the structure and functions of an ecosystem
56. Being a proud Indian citizen what would be your individual role in prevention of pollution?
57. What do you mean by disaster management? Explain the steps involved in disaster management
58. Evaluate Indian Wildlife protection Act.