Shivaji University , Kolhapur

Seat No.	

Paper Code(ENT202022)

M.Sc Entrance Exam , MAY-2020

58727-ENV.SCI.

Day And Date : Saturday 21/11/2020 **Total Marks :** 100

Time : 10:30 To 12:00

		Marks
1	Which of the following personalities are associated with environmental movements? A) Medha Patkar B) Anil Agarwal C) Sundarlal Bahuguna D) All	1
2	Which of the following is bioindicator of SO2 pollution ? A) White pine B) Moss C) Lichen D) All	1
3	The atmospheric pressure is measured by…. A) Manometer B) Barometer C) Tachometer D) Anemometer	1
4	Ozone hole in the stratosphere was discovered over the _____ continent. A) North America B) Antarctica C) Australia D) Greenland	1
5	Which of the following has maximum speed? A) Light B) Sound C) Water current D) Air current	1
6	The function of automobile catalytic converter is to control emissions of _____ A) Carbon dioxide and hydrogen B) Carbon monoxide and hydrogen C) Carbon monoxide and carbon dioxide D) Carbon monoxide and nitrogen dioxide	1
7	Bhopal Gas Tragedy was caused due to leakage of _____ gas A) MIC B) LPG C) CNG D) SO2	1

8	Mercury ingestion causes following disease A) Minamata B) Itai Itai C) Ounch ounch D) Fever	1
9	_____ is known as father of 'White Revolution' in India. A) M. S. Swaminathan B) Jawaharlal Neharu C) Verghese Kurien D) None of the above	1
10	The global warming efficiency of a CFC molecule in relation to a CO-, molecule is higher by a factor of _____ A) 125 B) 25 C) 20000 D) 1500	1
11	Non stick cooking utensils are coated with _____ A) PVC B) Plastic C) Teflon D) Polystyrene	1
12	Forest is_____ A) Renewable resource B) Nonrenewable resource C) Inexhaustible D) None of the above	1
13	International Wetland Day is celebrated on _____ A) 22 April B) 21 March C) 22 May D) 2 February	1
14	In rural areas, most of the solid waste is disposed by A) Pyrolysis B) Incineration C) Land filling D) Composting	1
15	In the stratosphere the temperature increases with increase in A) Longitude B) Latitude C) Altitude D) Depth	1
16	Nitrogen fixation in soil is not done by which bacteria A) Nitrosomonas B) Rhizobium C) Nitrobacter D) E.Coli	1

17 OTEC is based on ---. 1

A) Tides

B) Temperature difference of ocean water

C) None of the above

D) Waves & tides

18 Sunderbans contain_____ 1

A) Mangrove Plants

B) Teak forest

C) Grass

D) Alpine tree

19 Which of the following was started in 1973 to save the evergreen tropical forest in the Palakkad district of Kerala, India from being flooded by a hydroelectric project? 1

A) Chipko Movement

B) Silent Valley Movement

C) Appiko Movement

D) Jungle Bachao Andola

20 Methanoglobinemia is actually caused due to _____ 1

A) Nitrates

B) Phosphates

C) Sulfates

D) Chlorides

21 The major cause of habitat loss of biodiversity is 1

A) Increase in plants

B) Population explosion of Human being

C) increase in animals

D) decrease in plants

22 The most abundant alkaline component of the atmosphere is: 1

A) Ammonia

B) Nitrogen

C) Sulfur dioxide

D) Carbon dioxide

23 The chemical system for removal of the ions of salt is called as _____ 1

A) Ion transfer

B) Ionization

C) Ion Exchange

D) Ion vaporization

24 Which state of India is known as 'Tiger State'? 1

A) Gujarat

B) West Bengal

C) Madhya Pradesh

D) Assam

25 Which one of the following is non metal that remains liquid at room temperature? 1

A) Phosphorous

B) Bromine

C) Chlorine

D) Helium

26	Which of the following is used in pencils? A) Graphite B) Silicon C) Charcoal D) Phosphorous	1
27	Washing soda is common name for _____ A) Sodium bicarbonate B) Calcium bicarbonate C) Sodium carbonate D) Calcium carbonate	1
28	Which of the following is used to remove permanent hardness of water? A) Sodium carbonate B) Alum C) Lime D) Chlorine	1
29	The filament of electric bulb is made up of _____ A) Iron B) Copper C) Tungsten D) Silver	1
30	Metals have the following properties except one of them_____ A) Malleable and ductile B) Strong and lustrous C) Form positive ions by loosing electrons D) Crystalline	1
31	Which among the following is a sedimentary type of cycle? A) Sulphur cycle B) Nitrogen cycle C) Oxygen cycle D) Oxygen cycle	1
32	Microorganisms are used in which stage of wastewater treatment A) Primary B) secondary C) tertiary D) None of these	1
33	Pollen grains is an example of A) Biological air pollutant B) Chemical air pollutant C) Physical air pollutant D) None of the above	1
34	State animal of Maharashtra is A) Tiger B) Giant Squirrel C) Panther D) Elephant	1

35 Which one of the following is a nonrenewable resource? 1
A) Coal
B) Forests
C) Water
D) Wildlife

36 Which of the following act is implemented first by government of India? 1
A) Wildlife protection act
B) Air pollution act
C) Environmental Protection Act
D) Water pollution act

37 Following species is used as air pollution indicator 1
A) Algae
B) Lichen
C) Herbs
D) Bacteria

38 Silent Valley project was located in _____ district of Kerala. 1
A) Wayanad
B) Kannur
C) Palakkad
D) Kottayam

39 An important NGO involved in global environmental protection is _____ 1
A) WHO
B) IUCN
C) UNICEF
D) CPCB

40 Which of the following governmental agency is not related to environment? 1
A) CPCB
B) MoEF
C) NEERI
D) NARI

41 The nuclear fuel includes 1
A) Uranium
B) Thorium
C) none of these
D) both of these

42 Chipko Moment is against 1
A) Workers Harassment
B) Air Pollution
C) Tree cutting
D) Overuse of water

43 Who among the following was associated with chipko movement? 1
A) Sundarlal Bahuguna
B) Gaura Devi
C) Sudesha Devi
D) All of the above

44	_____ is bio- indicator of air pollution. A) Fungi B) Bacteria C) Algae D) Lichen	1
45	The Great Indian Bustard bird is found in _____ A) The dessert of Rajasthan B) Western Ghats C) Himalayan ranges D) Coastal region of India	1
46	Bag filters are used in industries to control A) Water pollution B) Air pollution C) Noise pollution D) Soil pollution	1
47	Yeast, used in making bread is a _____. A) Plant B) Fungus C) Bacteria D) Seed	1
48	The taxonomic group of which has the largest number is A) Angiosperms B) Insects C) Fungi D) Mollusks	1
49	Ex situ conservation locations are A) National Parks B) Botanical Gardens C) Wild life sanctuaries D) Biosphere reserves	1
50	Dodo is _____ bird. A) Endangered B) Critically endangered C) Rare D) Extinct	1
51	Which of the following animals are extinct? A) Mammoth B) Dinosaur C) Sea Mink D) All of the above	1
52	Animal protection is given by following legislation in India A) Environmental Protection Act B) Air pollution control and its protection Act C) Water pollution control and its protection Act D) Wild life protection Act	1

53 The one horned rhinoceros was specific to which of the following sanctuary? 1
A) Bhitar Kanika
B) Bandipur
C) Kaziranga
D) Corbett park

54 Which of the following are extinct from India? 1
A) Indian Cheetah
B) Indian Aurochs
C) Pink headed duck
D) All of the above

55 Branch of biology which focuses on biological classification is called_____ 1
A) Entomology
B) Histology
C) Taxonomy
D) Palentology

56 Poaching of tusker elephants are usually for 1
A) Hair
B) Skin
C) Ivory
D) Nails

57 Which of the following is Green House Gas? 1
A) CO_2
B) SO_2
C) NOx
D) CO

58 The most severe impact of deforestation is 1
A) Loss of cultural diversity
B) Climate Change
C) Change in rainfall
D) Loss of biodiversity

59 Who among the following started “Nav dhanya” Andolan ? 1
A) Girish Singh
B) Medha patkar
C) Vandana Siva
D) Rajesh Trivedi

60 Asbestos is known to cause _____ 1
A) Cardiac disease
B) Urinary Disease
C) Lung Cancer
D) Catract

61 The chemical that is used to ripen mangoes is _____ 1
A) Calcium sulphide
B) Calcium carbide
C) Calcium carbonate
D) Calcium chloride

62 White lung cancer is caused due to _____ 1
A) Asbestos
B) Textile
C) Lead
D) Arsenic

63 Night blindness is caused by deficiency of vitamin _____ 1
A) A
B) B
C) C
D) D

64 The Name Swine Flu Virus is 1
A) H5 N1
B) H1 N1
C) H5 N5
D) H1N5

65 White revolution is related to 1
A) Crops
B) Milk
C) Eggs
D) Cotton

66 The monsoon of India is due to following winds 1
A) North East
B) South East
C) South West
D) North West

67 Following bacteria is called as “Superbug 1
A) E.coli
B) Staphylococci
C) Pseudomonas putida
D) Streptococci

68 Power generation from the following mode is least polluting 1
A) Coal
B) Natural Gas
C) Hydro energy
D) Oil

69 Regolith is the geological name of 1
A) Topsoil
B) Lome
C) Sand
D) Silt

70 Nilgiri is spread among which group of states? 1
A) Kerala, Andhra Pradesh, Karnataka
B) Tamilnadu, Kerala and Andhra Pradesh
C) Tamilnadu, Kerala and Karnataka
D) Kerala, Andhra Pardesh and Karnataka

71 _____is the most important source of animal protein to the largest population in the world. 1

A) Poultry
B) Fish
C) Beef
D) Meat

72 Conservation within the natural habitat is _____ 1

A) insitu conservation
B) exsitu conservation
C) invivo conservation
D) exvivo conservation

73 _____ received the Nobel prize for the contribution in sustainable development in 2004. 1

A) Rajendrasing Rana
B) Wangari Maathai
C) Leymah Gbowee
D) Al Gore

74 The Earth summit was held in June, 1992 at 1

A) Copenhegen
B) Rio De Janerio
C) Colombo
D) Canada

75 Sunder Lal Bahuguna is associated with ----------. 1

A) SilentValley Movement
B) Chipko Movement
C) Appiko Movement
D) Baliyapal Movement

76 The World Environment Day is celebrated on ----------. 1

A) 5th July
B) 5th December
C) 5th June
D) 5th February

77 Who among the following was associated with Bishnoi movement? 1

A) Amrita Devi
B) Gaura Devi
C) Govind Singh Rawat
D) Shamsher Singh Bisht

78 Appiko Movement began in which state? 1

A) Haryana
B) Himachal Pradesh
C) Telangana
D) Karnataka

79 The first National Park established in India is _____ . 1

A) Jim Corbett National Park
B) Kaziranga National Park
C) Gir National Park
D) Indira Gandhi National Park

80 Hyperplasia means _____ 1

A) Excessive motility of a muscle

B) Voracious eating

C) Abnormal increase in number of cells

D) An increase in size of a cell

81 _____ is caused due to excess concentration of fluorides in water. 1

A) Fluorosis

B) Dental caries in children

C) Polymyelitis

D) Methemoglobinemia

82 UNEP Stands for_____ 1

A) United National Economic Programme

B) United National Energy Programme

C) United Nations Environment Programme

D) None of above

83 The southernmost point of peninsular India, that is, Kanyakumari, is_____ 1

A) North of Tropic of Cancer

B) South of the Equator

C) South of the Capricorn

D) North of the Equator

84 The percentage of earth covered by water is _____ 1

A) 80%

B) 76%

C) 71%

D) 67%

85 Heterotrophic bacteria which breakdown the complex organic matter is called as 1

A) Autotrophs

B) Decomposers

C) Omnivores

D) Consumers

86 In which year was ‘Project Tiger’ launched? 1

A) 1973

B) 1964

C) 1998

D) 1970

87 The branch of medical science which is concerned with the study of disease as it affects a community of people is called _____. 1

A) Epidemiology

B) Oncology

C) Palenology

D) Pathology

88 The biochemical laboratory of human body is_____ 1

A) Stomach

B) Kidney

C) Liver

D) Spleen

89 Excess fluorides in drinking water is likely to cause 1

A) Blue babies

B) taste and Odour

C) Intestinal irritation

D) Flurosis

90 Medicine of quinine is provided by _____ plant. 1

A) Eucalyptus

B) Aconite

C) Cinchona

D) Money

91 Gobar gas contains following major gas 1

A) CO

B) CH4

C) O3

D) NOx

92 ---------- are formed by molten lava. 1

A) Igneous rocks

B) Sedimentary rocks

C) Metamorphic rocks

D) None of these

93 The oldest mountains in India are_____ 1

A) Aravalis

B) Vindhyas

C) Sahyadri

D) Himalayan

94 Which of the following types of soil are mostly confined to river basins and coastal plains of India? 1

A) Alluvial soils

B) Black Soils

C) Laterite soils

D) Red soils

95 Khetri (Rajasthan) is famous for_____ 1

A) Coal Mine

B) Copper mine

C) Marble

D) Granite

96 Which treatment is anaerobic treatment for waste water 1

A) Trickling Filter

B) Up flow anaerobic sludge blanket

C) Aerated lagoons

D) Phytoremediation

97 Life is present in_____ sphere 1

A) Atmosphere

B) Hydrosphere

C) Lithosphere

D) Biosphere

98	Oldest mountain range in India is A) Himalaya B) Aravali C) Sahyadri D) Satpuda	1
99	BOD is___ A) Biochemical Oxygen Demand B) A measure of organic matter present in wastewate C) Usually less than COD D) All of the above	1
100	As per WHO standards the maximum permissible level of coliform organisms per 100 ml of drinking water is A) 10 B) 100 C) 150 D) 1000	1