

Internal Assessment Test 1 - September 2025

Sub	ENVIRONMENTAL STUDIES				Sub Code	BESK508	Branch	ECE
Date	29.09.2025	Duration:	90 mins	Max Marks:	50	Sem	V	

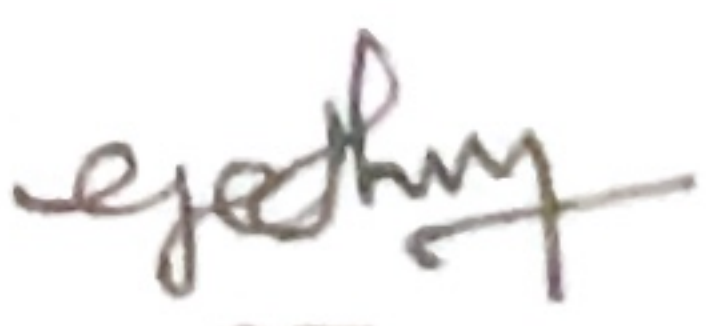
Answer all the questions (Each carry 1 mark)

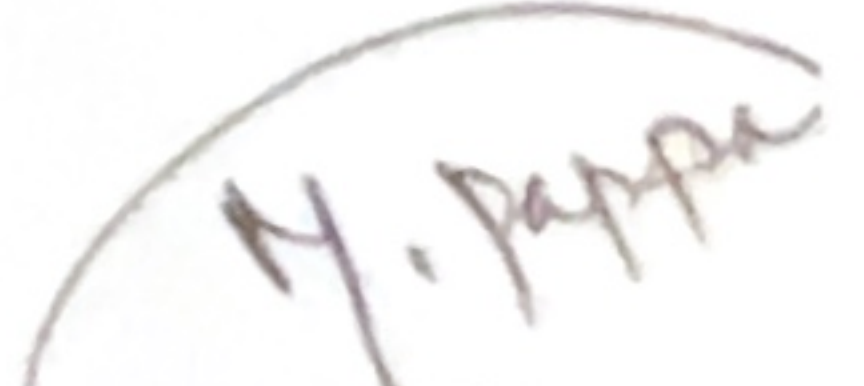
1	_____ is caused due to groundwater contamination by septic tank. a. Cholera b. Methemoglobinemia c. Kidney problem d. Hepatitis	12	What is noise? a. Desirable sound b. Desirable and unwanted sound c. Undesirable and unwanted sound d. Undesirable and wanted sound
2	What is the main problem in using hydrogen as fuel for vehicles? a. Capital intensive b. Storage c. Fuel cell technology is not well established d. Cars will become heavy	13	Simple detritus chain starts with a. Green plant b. Waste and dead organisms c. Both of these d. None of the above
3	Forests are important a. for life-support systems b. renewable resources c. for animals only	14	Solar radiation received at any point of earth is called a. Insolation b. Beam Radiation c. Diffuse Radiation d. Infrared rays
4	Amoebic dysentery is caused by a. Viruses b. Bacteria c. Helminth d. Protozoa	15	The by-product of the ocean thermal energy conversion is a. Hot water b. Desalinated water c. Chemicals d. Gases
5	Which of the following is not a primary greenhouse gas found in earth's atmosphere a. Carbon dioxide b. Methane c. Water vapor d. Nitrogen oxides	16	Juvenile water is also called a. Meteoric water b. Connate water c. Magmatic water d. Secondary water
6	How does hydrogen fuel cell work? a. Membrane → hydrogen ions → electric current and recombination with oxygen b. Electric current and recombination with oxygen → hydrogen ions → membrane c. Hydrogen ions → membrane → electric current and recombination with oxygen d. Recombination with oxygen → electric current → membrane → hydrogen ions	17	How much wind power does India hold? a. 20,000 MW b. 12,000 MW c. 140,000 MW d. 5000 MW
7	Water is recycled into the atmosphere by vegetation through the process called a. Evaporation b. Evapotranspiration c. Precipitation d. Runoff	18	When did the development of wind power in India begin? a. 1965 b. 1954 c. 1990 d. 1985
8	Which type of turbine is commonly used in tidal energy? a. Francis turbine b. Kaplan turbine c. Pelton wheel d. Gorlov turbine	19	An organism that creates its own food is called: a. Producer b. Consumer c. Scavenger d. Decomposer
9	E.I.A expanded as a. Environmental Impact Assessment b. Environmental international assignment c. Environmental internal activity d. Ecological internal assessment	20	Why continuous contour trenches are used? a. To decrease the infiltration of air b. To enhance the infiltration of air c. To decrease the infiltration of water d. To enhance the infiltration of water
10	What type of energy is wind energy? a) Renewable energy b) Non-renewable energy c) Conventional energy d) Commercial energy	21	For a gold LEED certification, how many points are required? a. 40-49 b. 60-79 c. 50-59 d. 80-110
11	Solar cell converts light energy into a. Electrical energy b. Thermal energy c. Sound energy d. Heat energy	22	How can desert ecosystems be conserved? a. By minimizing the human activity b. By pouring water to desert area c. By deforestation d. All the above
		23	What is the average concentration of ozone in the ozone layer of the atmosphere? a. Nearly 100% b. Greater than 90% c. Between 10-50% d. Less than 10ppm
		24	Which of the following is the most popular application of hydrogen fuel cell? a. Fuel cell vehicles b. Fuel cell energy power plants c. Fuel cells stand-alone power supplies d. Fuel cells spacecraft

25	What are the ambient air quality standards in industrial area during day time? ☒ a. 75 dB b. 80 dB c. 85 dB d. 100 dB
26	The 'Miracle Material' that can turn CO ₂ into liquid fuel is: a. Propene b. moCopper ☒ c. Graphene d. Potassium
27	Ground water characteristics must be monitored at least once in a till design span. a. Week b. Month c. Day ☒ d. Quarter
28	Abiotic components include a. Air b. Water c. Temperature ☒ d. All the above
29	Who appoints the chairman of the Central Pollution Control Board? ☒ a. Central Government b. State Government c. Governor of the State d. President of India
30	The word "Environment" is derived from ☒ a. French b. Greek c. English d. Spanish
31	When did the National Green Tribunal Act constituted? a. 2000 b. 2005 ☒ c. 2010 d. 2015
32	When can a person complaint to the police regarding noise pollution level? ☒ a. When the ambient noise standards exceeds by 10 dB b. When the ambient noise standards exceeds by 20 dB c. When the ambient noise standards exceeds by 30 dB d. When the ambient noise standards exceeds by 50 dB
33	The by-product of the ocean thermal energy conversion is _____ a) Hot water ☒ b. Cold water c. Chemicals d. Gases
4	The objective of Environment studies is a. Raise consciousness about environment conditions b. To teach environmentally appropriate behavior c. Create an environmental ethic sensitive society ☒ d. All the above
5	In what form is solar energy is radiated from the sun? a. Ultraviolet Radiation b. Infrared radiation ☒ c. Electromagnetic waves d. Transverse waves
	Tsunami detectors are placed in sea at _____ kms from shore. a. 25 b. 100 ☒ c. 50 d. 85
	_____ of national parks are there in Karnataka a. 5 ☒ b. 6 c. 10 d. 20
	_____ is a programme run by UN related to sustainable development. a. GHG indicator ☒ b. Agenda 21 c. IPCC d. UNEP
	How much percentage of the landmass is prone to earthquakes in India? ☒ a. Around 58% b. Around 60% c. Around 63% d. Around 65%
	The ocean thermal energy conversion (OTEC) is uses ☒ a. Energy difference b. Potential difference c. Temperature difference d. Kinetic difference

41	The vadose water which is lost to the atmosphere by transpiration and evaporation is ☒ a. Soil water b. Intermediate water c. Phreatic water d. Water table
42	Which Ministry published a draft of Noise Pollution Rules? a. Ministry of Foreign Affairs b. Ministry of Pollution Control c. Ministry of Industries ☒ d. Ministry of Environment and Forests
43	Which of the below is a global scale environmental issue? a. Eutrophication b. Regional ozone ☒ c. Climate change d. Pollution
44	Green house effect is warming due to a. Infra-red rays reaching earth b. Moisture layer in atmosphere ☒ c. Increase in temperature due to increase in carbon dioxide concentration of atmosphere d. Ozone layer of atmosphere
45	The ground water flow direction has to be ascertained periodically and reported at least a. Once in a year b. Once in two years ☒ c. Once in three years d. Once in four years
46	What is the meaning of silence zone for noise pollution? a. Area comprising more than 100 meters around hospitals and educational institutes ☒ b. Area comprising not less than 100 meters around hospitals and educational institutes c. Area comprising more than 100 meters around clubs and commercial streets d. Area comprising not less than 100 meters around clubs and commercial streets
47	The type of ecosystem with the highest mean plant productivity is ☒ a. Tropical rain forest b. Desert c. Tundra region d. None of the above
48	Which pollution cause hearing loss in organisms? a. Air pollution ☒ b. Noise pollution c. Water pollution d. Soil pollution
49	Which of the following pollutants is the major contributor to photochemical smog? a. Peroxynitrates b. Hydroperoxides c. Nitrogen dioxide ☒ d. Ozone
50	_____ poisoning water in Japan is from fishes. a. Bismuth ☒ b. Arsenic c. Antimony d. Palladium


Course instructor


CCI


HOD