Seat No:_____ Enrollment No:____

PARUL UNIVERSITY FACULTY OF ARTS

B.A, Winter 2017 – 18 Examination

Semester: 1 Date: 07/12/2017

Subject Code: 15193102 Time: 10:30 am to 1:00 pm

Subject Name: Environmental Science and Studies Total Marks: 60

Instructions:

- 1. All questions are compulsory.
- 2. Figures to the right indicate full marks.
- 3. Make suitable assumptions wherever necessary.

a. Hydroelectric power

c. Tidal Energy

4. Start new question on new page.

Q. 1 (a)	Multiple Choice Questions: (0.5 mark each. All compulsory)					
	 Which among the following discipline organism. 	es deals with every issue that affects a living				
	a. Ecology b. Anthropology c.	Environmental Studies d. Ecology				
	2. Which among the following is not a component of Environmental Studies.					
	a. Biology b. Sociology c.	Political Science d. Physics				
	3. Most traditions and societies around the world refer to environment by what name. a. Dharti Mata b. Mother Nature c. Natural Mother d. Eco-Friendly					
	4. Emperor Ashoka's edict which proclaimed that all forms of life are important dates					
	back to which period.					
	a. 4 th century b. 5 th century	c. 1 st century d. 6 th century				
	5. which tool is used in environmental economics to determine the function based values					
	provided by an ecosystem.					
	a. Questionnaire b.	Data Analysis				
	c. Data Interpretation d. Total Economic Value					
	6. Which is the lowest layer of atmosphere which is warm enough for humans to survive					
	on earth and how thick is it?					
	a. Mesosphere, 10km	b. Troposphere, 12 Km				
	c. Stratosphere, 10km	d. Biosphere, 12km				
	7. Which among the following in not a source or a sphere which provides resources.					
	a. Atmosphere b. Brosphere	c. Lithosphere d. Hydrosphere				
	-	recognizable landscape form known as.				
	a. Desert b. Wetland	c. Grassland d. Ecosystem				
	9. Which of the following are the components of an ecosystem.					
	a. Biotic b. abiotic	c. Natural d. Both a and b				
	10. Which of the following is not a type of aquatic ecosystem.					
	a. Pond b. Lake	c. Ocean d. Marine				
	11. Which of the following is an energy cycle of ecosystem.					
	a. HCL Cycle	b. Ammonia Cycle				
	c. Phosphorus Cycle	d. H2SO4 Cycle				
	12. Which of the following cannot be classified as a reason for degradation of ecosystems.					
	a. Population Explosion	b. Pollution				
	c. Deforestation.	d. Natural Selection				
	13. Which of the following is a stage of resource utilization.					
	a. Origin b. Processing c. Final Product d. All of the Above					
	14. The energy generated by water flowing down a natural gradient to turn turbines is.					

b. Ocean Thermal energy

d. Solar Energy

	 15. The heat energy stored within the ear a. Geological Energy c. Geosocial Energy 16. Which of the following is not an Inst a. CPCB b. BVIEER 		b. Geothermal Energyd. Geo Energy	d. ROST			
Q. 1 (b)							
	1. Define Ecosystem.						
	2. Define Environmental Science.						
	3. List the various types of renewable resources.						
	 4. List the various spheres of the earth. 5. Give Full Forms of HIV and AIDS. 6. What is sustainable development. 7. Define Ocean Thermal Energy. 						
Q.2	Answer the following. What is the scope and importance of Environmental Studies.						
(a)	* *						
(b)	What are the steps that can be taken to raise awareness about environment.						
(c)	·						
	OR Write a short note on the role of an individual in conservation of natural resources. (04)						
(c)	Write a short note on the role of an individual in conservation of natural resources.						
Q.3	Answer the following. Explain in detail Desert Ecosystem.						
(a)	Explain in detail Desert Ecosystem.						
(b)	Explain in detail Forest Ecosystem.						
(c)							
	OR						
(c)	Write a detailed note on 0	Grassland Ecosyste	m		(05)		
Q.4	Answer the following.	11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	10 1 1 1		(0.0)		
(a)	Write a critical note on G		d Ozone layer depletion.		(06)		
(b)	Explain in detail women				(06) (06)		
(c)	(c) Explain in detail the role of technology in environment and human health.						
	OR (c) In terms of resource use, what are some of steps that can be taken for its sustainable (
(c)		what are some of s	teps that can be taken for its	s sustamable	(06)		
	distribution and use.						