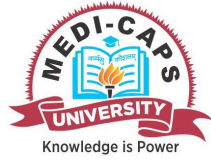


Enrollment No.....



## Faculty of Commerce / Management

End Sem (Odd) Examination Dec-2017

CM3AE01/MS3AE01 Environmental Studies/Science

Programme: B.Com.(Hons) Branch/Specialisation: Commerce /  
/ BBA Management

Duration: 3 Hrs.

Maximum Marks: 60

Note: All questions are compulsory. Internal choices, if any, are indicated. Answers of Q.1 (MCQs) should be written in full instead of only a, b, c or d.

- Q.1 i. The water act was denied in the year **1**  
(a) 1974 (b) 1975 (c) 1976 (d) 1960
- ii. Social, economical and ecological equity is necessary condition **1**  
for achieving-----  
(a) Social development (b) Economical development  
(c) Sustainable development (d) Ecological development
- iii. Wave length of IR is **1**  
(a) Zero (b) Finite (c) Shorter (d) Longer
- iv. Main cause of deforestation is **1**  
(a) Population growth (b) Urbanization  
(c) Overgrazing (d) All of these
- v. Unit of measurement of noise is **1**  
(a) Hertz (b) Decibel (c) Ampere (d) Joule
- vi. Which is non renewable energy **1**  
(a) Biomass energy (b) Wind energy  
(c) Solar energy (d) Fossil fuel
- vii. Who gave the term eco system? **1**  
(a) Odum (b) A .G. Tansley  
(c) Linderman (d) All of these
- viii. Biodiversity is conserved by- **1**  
(a) Insitu conservation (b) Exsitu conservation  
(c) Legal means (d) All of these

- ix. Which of the following is India's own green building certification rating system? **1**  
(a) BREEM (b) LEED (c) GRIHA (d) All of these
- x. Combined hybrid car models are powered by **1**  
(a) Petrol and diesel (b) Electricity  
(c) Petrol and electricity (d) Biofuel
- Q.2 i. Define the term Sustainable development. **2**  
ii. State the differences between organic farming and sustainable agriculture. **3**  
iii. Enumerate in details the process of environmental auditing. **5**
- OR iv. Describe the water protection act. **5**
- Q.3 i. Define the term carbon trading. **2**  
ii. What do you mean by greenhouse effect? **3**  
iii. Define carbon footprint and what are the ways to reduce it? **5**
- OR iv. Explain Kyoto protocol. **5**
- Q.4 i. Define the term water resources. **2**  
ii. Explain alternative energy sources. **3**  
iii. Discuss the effect and control of noise pollution. **5**
- OR iv. Discuss in detail the renewable energy sources. **5**
- Q.5 i. Define food chain. Give its types. **2**  
ii. Explain the energy flow in an ecosystem. **3**  
iii. Discuss the significance of biodiversity. **5**
- OR iv. Discuss the biodiversity conservation strategies. **5**
- Q.6 i. Define the term industrial ecology. **2**  
ii. What is hybrid car technology? **3**  
iii. Enumerate GRIHA rating system for green building. **5**
- OR iv. Explain LEED rating system. **5**

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P.T.O.

CM3AE01 Environmental Studies /  
MS3AE01 Environmental Science

**Marking Scheme**

Q.1	i.	(a) 1974	<b>1</b>
	ii.	(c) Sustainable development	<b>1</b>
	iii.	(d) longer	<b>1</b>
	iv.	(d) all of these	<b>1</b>
	v.	(b) decibel	<b>1</b>
	vi.	(d) fossil fuel	<b>1</b>
	vii.	(b) A. G.Tansley	<b>1</b>
	viii.	(d) all of these	<b>1</b>
	ix.	(c) GRIHA	<b>1</b>
	x.	(c) Petrol & electricity	<b>1</b>
Q.2	i.	Define (2 mark)	<b>2</b>
	ii.	3 points (1 mark each )	<b>3</b>
	iii.	Definition 1mark,process 4 mark	<b>5</b>
OR	iv.	Explanation of water act- 5 mark	<b>5</b>
Q.3	i.	Define (2 mark)	<b>2</b>
	ii.	Explanation of GHG	<b>3</b>
	iii.	Definition 1mark,4 remedies (1 mark each)	<b>5</b>
OR	iv	Explanatoin of Kyotoprotocol	<b>5</b>
Q.4	i.	1 mark definition,1 mark for example	<b>2</b>
	ii.	3 resources (1 mark each)	<b>3</b>
	iii.	Effect (2mark),4point control(1mark each)	<b>5</b>
OR	iv.	5 resources (1 point each)	<b>5</b>
Q.5	i.	Define (1mark),types (1 mark)	<b>2</b>
	ii.	Explanation 3 mark	<b>3</b>
	iii.	5 significance (1 mark each)	<b>5</b>
OR	iv.	5 strategies (1 mark each )	<b>5</b>
Q.6	i	Definition (2 mark )	<b>2</b>
	ii	Definition 2 mark, types 1 mark	<b>3</b>

	iii	Meaning 1 mark, rating 4 mark	<b>5</b>
OR	iv.	Meaning 1 mark, rating 4 mark	<b>5</b>

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