

SARDAR PATEL UNIVERSITY

M. Sc Integrated Biotechnology (ENVIRONMENTAL BIOTECHNOLOGY)-TEN (10) Semester Examination

Monday, 18 -03 - 2019, Time: 10:00 A.M TO 01:00 P.M

COURSE NUMBER-PS10CIGEB01

NAME OF COURSE – ENVIRONMENTAL CONSERVATION AND SUSTAINABLE DEVELOPMENT

Maximum Marks: 70

Note: (1) All questions are compulsory. (2) Figure to right indicate marks.

**Q.1** Choose the most appropriate answer from the four alternatives givens. [8]

1. Which are not including the Environment (Protection) Acts, 1986?

(A) Forest conservation Act (B) Bio-Medical Waste Rules (C) Biodiversity Act (D) Air Act

2. E-waste produce the important metal of .....

(A) Nickel (B) Selenium (C) Silver (D) Gold

3. Forest play vital ecological roles on.....

(A) Regulating climates (B) Biodiversity conservation (C) Soil formation (D) Both (A) and (B)

4. Shifting cultivation often blamed for forest .....

(A) Regeneration (B) Conservation (C) Producer (D) Destruction

5. Anything with potential use in creating wealth is.....

(A) Resource (B) Environment (C) Both(A) and (B) (D) None of them

6. Green business important for the .....

(A) Quality product (B) Waste Management (C) Production (D) Improve the company image

7. Which is the sustainable development indicator?

(A) Health (B) Forest product (C) Waste product (D) Pollution

8. Sustainable business should model their entire production process on.....

(A) Electrothermo process (B) Electrical Process (C) Mechanical process (D) Biological process

**Q.2** Answer the following (Any Seven). [14]

1. Write the salient features of the Bio-Medical Waste Rules, 1998.

2. What are the salient features of forest conservation Act, 1980?

3. Define Rapid Forest Assessment (RFA) and its application.

4. Justify the Parks as ecosystems.

5. Write the green business advantages in industry development.

6. Enlist the causes of urban growth.

7. What are the urban problems in developing countries?

8. Enlist the cleaner production practices.

9. What are the sustainability strategies?

Q.3 A. Write the salient features of the Municipal Solid Waste Rules, 2000. [6]

B. Write the brief note on Biodiversity Act, 2002. [6]

OR

B. Write short note on Plastic Manufacture, Sale and Usage Rules, 2011. [6]

Q.4 A. Discuss the problem and threats from inside and outside national parks and give your input for solve problem. [6]

B. Write a short on the Ecotourism and it's advantages and disadvantages. [6]

OR

B. Enlist the different types of world forest. Brief not on any two forests. [6]

Q.5 A. Write a short note on Neo-classical economics and ecological economics. [6]

B. Discuss the different parameter of development of model of sustainable city. [6]

OR

B. Write the brief note on Urban ecology. [6]

Q.6 A. Enlist the Indicator of sustainability. Discuss any five indicators. [6]

B. Explain the clean development mechanism for industrial sustainable development. [6]

OR

B. Give your idea for the cleaner production (CP) in achieving industrial sustainability with suitable viable examples. [6]

-----X-----

(2)