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(p) Sanctuaries as a tool of biodiversity conservation. 4

(q) Botanical gardens as a tool of biodiversity conservation. 4

(r) Wild Life Protection Act 1972. 4

5. Write on :—

(a) IUCN. 4

(b) Ministry of Environment and Forestry. 4

(c) Public participation in EIA. 4

OR

(p) Advantages and disadvantages of public participation in EIA. 4

(q) Objectives of EIA. 4

(r) Man and biosphere programme. 4

6. Write on :—

(a) Purpose and advantages of environmental audit. 4

(b) Aerial Photographs. 4

(c) Advantages of GIS. 4

OR

(p) Satellite images. 4

(q) Procedure of environmental audit. 4

(r) Concept of GIS. 4

7. What do you mean by sustainable development ? Describe concept and principles of sustainable development. 12

OR

Explain with examples mean, mode, and median. 12

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B.Sc. (Part—III) Semester—VI Examination**ENVIRONMENTAL SCIENCE****(Environmental Conservation and Management)**

Time : Three Hours]

[Maximum Marks : 80

Note :—(1) **ALL** questions are compulsory.

(2) Draw well labelled diagrams wherever necessary.

1. (A) Fill in the blank with appropriate words :

(i) The Wild Life Protection Act was constituted in _____. ½

(ii) M.B.P. stands for _____. ½

(iii) National Park is the tool of _____ biodiversity conservation. ½

(iv) Marshes, shallow estuaries and lakes are the examples of _____. ½

(B) Choose the correct alternative and rewrite the statements :—

(i) Which of the following is not the cause of wild life depletion : ½

(a) Reforestration

(b) Deforestation

(c) Poaching

(d) Pollution

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(Contd.)

(ii) Sundarban is the example of : $\frac{1}{2}$

- (a) Wasteland
- (b) Desert
- (c) Mangroove
- (d) Grassland

(iii) WWF is the sister body of : $\frac{1}{2}$

- (a) ICSU
- (b) IUCN
- (c) UNESCO
- (d) UNEP

(iv) The Environmental Protection Act has been passed by Indian Parliament in : $\frac{1}{2}$

- (a) 1972
- (b) 1980
- (c) 1982
- (d) 1986

(C) Answer the following question **ONE** sentence :

- (i) Define wastelands. 1
- (ii) What is sustainable development ? 1
- (iii) Name any two wild life institutes in India. 1
- (iv) What is regression analysis ? 1

2. Write on :—

- (a) Give the need and principles of environmental education. 4
- (b) Discuss about status of environmental education in India. 4
- (c) Explain the role of mass-media in environmental education. 4

OR

- (p) Discuss about the concept of environmental education. 4
- (q) Explain formal environmental education. 4
- (r) In what way NGO's play significant role in environmental education ? 4

3. What is mining environment ? Give types of mining. Describe issues related to mining management. 12

OR

What are wetland and wastelands ? Describe different strategies utilized for their conservation. 12

4. Write on :

- (a) Wild life as a resource. 4
- (b) WWF 4
- (c) National parks as a tool of biodiversity conservation. 4

OR

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- (p) Basic principles in farm management. 4
 (q) Decision making approaches. 4
 (r) Cost analysis law. 4

6. Describe :

- (a) Planning and management of crops. 6
 (b) Harvesting and threshing maintenance of soil fertility. 6

OR

- (p) Mixed and multiple cropping. 6
 (q) Machinery selection and their management. 6

7. Comment on :

- (a) Analysis of farm business. 4
 (b) Supply and demand price equilibrium. 4
 (c) Factors affecting on profit. 4

OR

- (p) Survey of seed market. 4
 (q) Farm efficiency measures. 4
 (r) Factors affecting economic size of farm. 4

B.Sc. (Part-III) Semester-VI Examination

SEED TECHNOLOGY (Vocational)

(Seed Processing, Farm Management & Marketing)

Time : Three Hours]

[Maximum Marks : 80

- Note :-** (1) There are **SEVEN** questions in all.
 (2) Question No. 1 is compulsory and carries equal marks.
 (3) Question No. 2 to 7 carry equal marks.
 (4) Draw well labelled diagrams wherever necessary.

1. (A) Fill in the blanks :

- (i) _____ can be defined as drying of seeds by providing an outflow for moisture. $\frac{1}{2}$
 (ii) The dehumidification means removal of _____. $\frac{1}{2}$
 (iii) The plants growing where they are not wanted is known as _____. $\frac{1}{2}$
 (iv) The preparation of land for crop bearing is _____. $\frac{1}{2}$

(B) Choose the correct alternative (MCQ) :

- (v) The _____ is used for separation of surface texture of seeds.
 (a) roll mill (b) threshing
 (c) harvesting (d) None $\frac{1}{2}$

(vi) The _____ are used for lifting and storing quantities of seeds/grains.

- (a) conveyors (b) threshers
(c) elevators (d) None $\frac{1}{2}$

(vii) The _____ irrigation is most profitable and useful method of irrigation.

- (a) drip (b) sprinkler
(c) fogger (d) None $\frac{1}{2}$

(viii) Seed drying is promoted by natural agency of wind and _____.

- (a) water (b) humidity
(c) sun (d) None $\frac{1}{2}$

(C) Answer in **one** sentence :

- (ix) What is farm budgeting ? 1
(x) What is mixed cropping ? 1
(xi) What is mist-o-matic ? 1
(xii) What is certified seeds ? 1

2. Comment on :

- (a) Theory of seed moisture measurement. 4
(b) Adjustment of intended disc separator. 4
(c) Advantages of seed drainage. 4

OR

- (p) Specific gravity separator. 4

(q) Theory of seed drying. 4

(r) Methods of seed moisture measurement. 4

3. Explain :

- (a) Cleaning of roll mills. 4
(b) Seed conveyors. 4
(c) Equipments used in seed treatment. 4

OR

- (p) Storage of treated seeds. 4
(q) Bucket elevators. 4
(r) Oscilating conveyors. 4

4. Describe :

- (a) Maintenance of seed processing records. 6
(b) Dehumidification and stacking. 6

OR

- (p) Packaging of seeds. 6
(q) Construction and operation of seed storage structures. 6

5. Comment on :

- (a) Scope of farm management. 4
(b) Cost and capital investment. 4
(c) Opportunity cost. 4

OR

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(Contd.)