

Q.P. Code: 31320

F.Y.B.Sc. Biotechnology Semester II Examination
Model Answers
Globalization, Ecology and Sustainable development

Q.1 Do as directed (any fifteen) 1 Mark each

15

1. Globalisation
2. Disinvestment
3. Corporate farming
4. Decision making
5. 30
6. Primary
7. Social
8. Hobbes
9. Air
10. Sustainable
11. Atmosphere
12. Four
13. Conflict
14. Ethics
15. Prejudice
16. Violence
17. Five
18. Biofeedback
19. Networking
20. Aesthetic

Q2A. Explain the term Liberalization in detail.


(8M)

- De-licensing of industries
- Liberalisation of Foreign Investment
- Liberalisation of Foreign Technology Imports
- Liberalisation of Industrial Location
- Liberal Taxation
- Autonomy of Public Sector Units

Q2B. Explain the concept of human rights. Elaborate its origin and evolution.

(7M)

- UDHR
- Characteristics
 - Universal application
 - Purpose
 - Conditions of social life

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- Minimal rights
 - Supports human development
 - Derived from natural law
 - Independent of the state
 - Origin

Q2C. Describe in brief the concept of corporate farming. (8M)

- National Agricultural Policy 2000
- Arguments for corporate farming
 - Consolidation of land holdings
 - Production of exports
 - Marketing of agricultural produce
- Arguments against corporate farming
 - Mismanagement
 - Internal problems of agribusiness firms

Q2D. Describe any 14 articles from Universal Declaration of Human Rights. (7M)

- Any 14 articles from UDHR

Q3A. Explain the components of sustainable development. (8M)

- Environmental component
- Social component
- Economic component

Q3B. Elaborate on poverty and environment. (7M)

- Livelihood
- Health risks
- Resilience to environmental risks
- Economic development

Q3C. Describe the components of the environment. (8M)

- Natural
 - Hydrosphere
 - Atmosphere
 - Lithosphere
 - Biosphere
- Human
 - Anthrosphere

Q3D. Describe in detail structure and function of an ecosystem. (7M)

- Producers
- Consumers
- Decomposers

Q4A. Critically evaluate Maslow's theory of self-actualisation. (8M)

- Physiological needs
- Safety and security needs
- Social needs
- Ego and esteem needs
- Self-actualisation needs

Q4B. Explain the Hierarchy of Needs Theory. (7M)

- Physiological needs
- Safety and security needs
- Social needs
- Ego and esteem needs
- Cognitive needs
- Aesthetic needs
- Self-actualisation needs
- Transcendence needs

Q4C. Explain the meaning and causes of stress. (8M)

- Definition
- Organisational cause of stress
- Group cause of stress
- Individual cause of stress
- Environmental cause of stress

Q4D. Explain the term Prejudice along with its positive and negative roles. (7M)

- Definition
- Negative roles
 - Stress and tension
 - Retards personality development
 - Poor image of an individual
 - Aggression and violence
 - Develops revengeful attitude
- Positive role
 - Favourable opinion



Q5 Short notes: (any 3) 5 Marks each

- a. Effects of migration.
 - Brain drain
 - Fusion of cultures
 - Foreign exchange reserves
 - Social problems
 - Psychological problems
 - Hostilities towards migrants

- b. Right to freedom of Religion.
 - Article 25
 - Article 26
 - Article 27
 - Article 28

- c. Behavioural Ecology
 - Ultimate causation
 - Proximate causation

- d. Time management
 - Know your goals.
 - Prioritize wisely.
 - Just say no.
 - Plan ahead.
 - Eliminate distractions.
 - Delegate more often.
 - Watch what you spend.
 - Take care of yourself.

- e. Physiological needs
 - Basic needs