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Q.P. Code: 31319

**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. Forced migration
2. Six
3. Liberalisation
4. Contract farming
5. Magna Carta
6. Article 17
7. Secularism
8. Universal
9. Biological
10. Erosion
11. Environmental degradation
12. Plants
13. Stereotypes
14. Role ambiguity
15. Values
16. Self-concept
17. Networking
18. Aesthetic
19. Concealers
20. Self-actualisation

**Q2A. Explain the term migration and add a note on its causes and impact.**

**(8M)**

- Types of migration
- Causes of migration
  - Economic factors
  - Social factors
  - Environmental factors
  - Medical reasons
  - Political factors
- Effects
  - Brain drain
  - Foreign exchange reserves
  - Fusion of cultures
  - Social problems



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- Psychological problems
- Hostilities towards migrants

Q2 B. Explain fundamental rights in the constitution give its characteristics. Add a note on its significance. (7M)

- Fundamental rights in India
- Definition
- Establishment
- Significance and characteristics
  - Preservation of human dignity
  - Enforcements of rights
  - Protection against violations of human rights
  - Applicability
  - Enforceable against individuals
  - Amendment to rights
  - Suspension of rights
  - classification

Q2C. Explain globalization and the changes occurred in employment sector. (8M)

- Globalisation
  - Introduction of Foreign Exchange Management Act, 1999
  - Reduction in custom duty
  - Liberalisation of Foreign Investment
  - Signing of WTO Agreements
- Negative impact on employment
  - Introduction of labour saving devices
  - Negative growth of employment in public sector
  - Employment in small scale sector
- Positive impact on employment
  - Employment in the services sector
  - Impact of FDI on employment
  - Increase in contractual workers

Q2D. Discuss Right to Freedom (7M)

- Fundamental freedoms
  - Freedom of speech and expression
  - Freedom to assemble peaceably and without arms
  - Freedom to form associations or unions
  - Freedom to move freely throughout the territory of India
  - Freedom to reside and settle in any part of India
  - Freedom to acquire, hold and dispose off property
  - Freedom to practice any profession or to carry on any occupation trade or business

Q3A. Explain components of environment and their interrelationship. (8M)

- Natural
  - Hydrosphere
  - Atmosphere
  - Lithosphere
  - Biosphere
- Human
  - Anthrosphere
- Relationship between different components

Q3B. Describe in detail the guidelines listed for sustainable development. (7M)

- Efficient use of resources
- Public participation
- Understanding and respect
- Access to adequate information
- Integrated decision making and planning
- Substitution

Q3C. Explain the term sustainable development and the need for sustainable development. (8M)

- Definition
- Need for sustainable development
  - Change in lifestyle
  - Overuse of resources
  - Pollution
  - Deforestation and Soil Erosion
  - Global warming
  - Increase in population

Q3D. Describe in detail different forms of environmental degradation. (7M)

- Air pollution
- Noise pollution
- Water pollution and scarcity
- Soil contamination
- Global warming
- Effect of ozone depletion
- Acid rain
- Depletion of marine life
- Deforestation
- desertification

Q4A. What are the strategies for coping with conflict?

(8M)

- Avoiding
- Smoothing
- Forcing
- Confronting
- Win/Win strategy
- Lose/Lose strategy
- Win/Lose strategy

Q4B. Discuss various approaches to minimize stress.

(7M)

- Physical exercise
- Meditation
- Relaxation training
- Time management
- Social support
- Behavioural self-control
- Biofeedback
- Networking
- Personal well being

Q4C. Elaborate on Maslow's theory of self-actualisation.

(8M)

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

Q4D. Explain the term conflict and give its types with examples.

(7M)

- Definition
- Intrapersonal conflict and an example
- Interpersonal conflict and an example
- Intergroup conflict and an example

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**Q5 Short notes: (any 3) 5 Marks each**

**15**

a. Reasons for Increase in farmers' suicide.

- Indebtedness
- High inputs
- Low outputs
- Crop failures
- Lack of relief packages

b. Right to Equality

- Article 14
- Article 15
- Article 16
- Article 17
- Article 18

c. Population Ecology

- Dynamics of species population

d. Aggression and measures for resolving aggression in the society.

- Hostile aggression
- Instrumental aggression

e. Personal Well being

- Any five relevant points describing personal well- being

**X-X-X**