

OJEE 2026 BSc Nursing 4 May Shift 1

Question Paper (Memory-Based) PDF

Conducted by Odisha Joint Entrance Examination Committee (OJEEC)



General Instructions

- (i) The examination will be conducted in Computer-Based Test (CBT) mode.
- (ii) Each question carries +4 marks for correct answer and 1 mark for wrong answer.
- (iii) The total number of questions and duration will vary depending on the course.
- (iv) Duration of the exam is 2 hours (120 minutes).

1. In a stable ecosystem, the relationship between Gross Primary Productivity (GPP) and community respiration (R) is:

- (A) $GPP < R$
- (B) $GPP = R$
- (C) $GPP > R$ always
- (D) GPP independent of R

2. Which process contributes MOST to nutrient recycling in ecosystem?

- (A) Grazing food chain
- (B) Decomposers
- (C) Producers
- (D) Carnivores

3. Which of the following represents a correct food chain?

- (A) Grass → Snake → Frog → Hawk

- (B) Grass → Frog → Insect → Hawk
 - (C) Grass → Insect → Frog → Snake → Hawk
 - (D) Insect → Grass → Frog → Snake
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4. Which ecological pyramid can be inverted in aquatic ecosystems due to high turnover rate?

- (A) Energy pyramid
 - (B) Biomass pyramid
 - (C) Number pyramid always
 - (D) Productivity pyramid
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5. Standing crop refers to:

- (A) Biomass present at a given time
 - (B) Total productivity of ecosystem
 - (C) Annual yield of crop
 - (D) Rate of biomass formation
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6. Pyramid of energy is always:

- (A) Inverted
 - (B) Upright
 - (C) Spindle shaped
 - (D) Horizontal
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7. Which interaction leads to evolution of mimicry?

- (A) Commensalism
 - (B) Predation
 - (C) Mutualism
 - (D) Competition
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8. Gause's Competitive Exclusion Principle states that:

- (A) Two species always coexist
 - (B) Species compete only indirectly
 - (C) Two species with identical niche cannot coexist indefinitely
 - (D) Competition increases biodiversity
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9. Detritus food chain starts with:

- (A) Living producers
 - (B) Dead organic matter
 - (C) Herbivores
 - (D) Carnivores
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10. Brood parasitism is shown by:

- (A) Cuckoo laying eggs in crow nest
 - (B) Orchid on tree
 - (C) Bacteria in gut
 - (D) Lichen
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