

UGC NET 22nd June 2026 Shift 1 Geography Memory Based Paper-exam

Q1. Match the Following List-I (Ecosystem Type) and List-II (Example)

List I (Ecosystem Type)	List II (Example)
A. Terrestrial Ecosystem	I. Lake, Estuary
B. Aquatic Ecosystem	II. Crop field, Aquarium
C. Natural Ecosystem	III. Forest, Desert
D. Man-made Ecosystem	IV. Tundra, Grassland

Choose the correct option:

- (a) A-III, B-I, C-IV, D-II
- (b) A-IV, B-III, C-I, D-II
- (c) A-III, B-II, C-I, D-IV
- (d) A-II, B-IV, C-III, D-I

Ans.(a)

Q2. Consider the following statements regarding the Strait of Hormuz:

1. Every country bordering the Persian Gulf must use the Strait of Hormuz for all of its oil exports.
2. The Musandam Peninsula gives Oman a strategic position overlooking the Strait of Hormuz.
3. The Strait of Hormuz is an example of a maritime chokepoint in Political Geography.
4. The territorial waters of Iran and Oman together cover the entire width of the strait.

Which of the statements given above are correct?

- (a) 1, 2 and 3 only
- (b) 2, 3 and 4 only
- (c) 1 and 4 only
- (d) 2 and 4 only

Ans.(b)

Q3. Arrange the following volcanic materials from finest to coarsest size:

- A. Volcanic bombs
- B. Dust
- C. Ash
- D. Lapilli

Choose the correct answer from the options given below:

- (a) B, C, D, A
- (b) C, B, D, A
- (c) B, D, C, A
- (d) D, C, B, A

Ans.(a)

Directions (4-8): Read the following passage and answer all the questions accordingly


Population Composition refers to the internal structure of a population based on specific measurable attributes. Analyzing these attributes is vital for understanding a region's socio-economic potential and challenges.

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The most fundamental elements include Age and Sex, which are graphically represented by the Population Pyramid. A wide-based pyramid indicates a young, growing population with high dependency; a narrow base indicates slow growth or decline. Sex ratio (the number of females per 1000 males) reveals gender balance and often reflects societal bias or migration patterns.

Rural-Urban Composition shows the proportion of people living in urban centers versus rural areas, directly reflecting the level of industrialization and urbanization. Furthermore, Occupational Structure classifies the workforce into primary (agriculture), secondary (industry), and tertiary (services) sectors. This classification is a direct proxy for a country's economic development level, as advanced economies shift labor towards the tertiary and quaternary sectors. Other key aspects are Educational Composition (e.g., literacy rates) and Ethnic/Religious Composition, which influence human capital formation and political cohesion.

Q4. A country's population pyramid exhibits a broad base and a rapid tapering towards the top. This shape most directly implies a high dependency ratio dominated by which age group?

- (a) Aged dependents (65+ years)
- (b) Economic dependents (15-64 years)
- (c) Youth dependents (0-14 years)
- (d) Secondary sector workforce (15-64 years)

Ans.(c)

Q5. What is the fundamental distinction in the economic base that drives the contrasting occupational structure between a country where 75% of the workforce is in the Primary Sector and one where 60% is in the Tertiary Sector?

- (a) The degree of population aging.
- (b) Reliance on resource extraction versus reliance on service provision.
- (c) The urban-rural composition favoring cities.
- (d) The educational composition of the female workforce.

Ans.(b)

Q6. A high sex ratio (more females per 1000 males) in a specific rural district is observed alongside a low birth rate. Which population characteristic is the most probable cause of this skewed sex ratio?

- (a) High female literacy rates leading to delayed marriage.
- (b) Natural biological variation in male/female birth rates.
- (c) Selective out-migration of male working-age population.
- (d) Better healthcare facilities ensuring high female longevity.

Ans.(c)

Q7. The shift of a population's largest employment share from the Primary Sector to the Tertiary Sector, as measured by occupational structure, serves as the clearest indicator of a change in which other major population characteristic?

- (a) The stability of the ethnic composition.
- (b) The national mortality rate trend.
- (c) The level of economic development.
- (d) The ratio of aged dependents.

Ans.(c)

Q8. A geographer analyzing Rural-Urban Composition identifies a municipality experiencing a rapid increase in its proportion of the national population. This growth is primarily attributable to which type of population dynamics?

- (a) Declining urban mortality rates.
- (b) High rates of natural increase in the city.
- (c) Continuous in-migration from rural areas.
- (d) Decreasing total national population.

Ans.(c)

Q9. Consider the following:

1. Burgess model assumes concentric rings of urban growth.
2. It is based on a monocentric city structure.
3. Land use changes with distance from CBD.

- (a) 1 and 2 only
- (b) 2 and 3 only
- (c) 1, 2 and 3
- (d) None

Ans.(c)

Q10. Match the following Koppen climate types with their principal characteristics:

List I (Koppen Climate Type)	List II (Characteristic Feature)
A. Af	I. Tropical rainforest with no dry season
B. Aw	II. Tropical savanna with dry winter season
C. BWh	III. Hot desert with arid conditions
D. Cfa	IV. Humid subtropical with hot summers and rainfall throughout the year

Options:

- (a) A-IV, B-III, C-II, D-I
- (b) A-II, B-I, C-IV, D-III
- (c) A-III, B-IV, C-I, D-II
- (d) A-I, B-II, C-III, D-IV

Ans.(d)

Q11. Which of the following pairs is/are correctly matched?

1. Mudflow - Slide
2. Soil creep - Heave
3. Rockslide - Flow

Select the correct answer using the code below:

- (a) 1 and 2 only
- (b) 2 only
- (c) 2 and 3 only
- (d) 1 and 3 only

Ans.(b)

Q12. Arrange the following steps of GIS data processing in the correct technical order:

- A. Data Input
- B. Data Storage and Management
- C. Data Manipulation and Analysis
- D. Data Output

Options:

- (a) A, B, C, D
- (b) A, C, B, D
- (c) B, A, C, D
- (d) A, B, D, C

Ans.(a)

Q13. Arrange the following geomorphic features in the order of their geological origin (oldest to youngest):

- A. Aravalli Range
- B. Gondwana Basins
- C. Western Ghats
- D. Himalayas

Options:

- (a) A, B, C, D
- (b) B, A, C, D
- (c) A, C, B, D
- (d) C, B, A, D

Ans.(a)

Q14. Cartosat satellite series launched by ISRO is primarily used for:

- (a) Weather forecasting
- (b) Communication services
- (c) High-resolution mapping and cartography
- (d) Navigation

Ans.(c)

Q15. Match the Following

List I (Book)	List II (Author)
A. <i>Social Justice and the City</i>	1. Richard Hartshorne
B. <i>Geography: A Modern Synthesis</i>	2. David Harvey
C. <i>The Nature of Geography</i>	3. Peter Haggett
D. <i>Explanation in Geography</i>	4. David Harvey

- (a) A-2, B-3, C-1, D-4
- (b) A-1, B-2, C-3, D-4
- (c) A-3, B-1, C-4, D-2
- (d) A-4, B-3, C-2, D-1

Ans.(a)

Q16. Consider the following statements regarding ocean waves:

1. Wave height is the vertical distance between the crest and trough.
2. Wave period refers to the time taken by two successive crests to pass a fixed point.
3. Tsunami waves are primarily generated by underwater earthquakes.
4. Ocean waves transport water particles over long distances in the direction of wave travel.

Which of the statements given above are correct?

- (a) 1, 2 and 3 only
- (b) 2, 3 and 4 only
- (c) 1 and 4 only
- (d) 1, 2, 3 and 4

Ans.(a)

Q17. Which of the following are cold local winds?

1. Mistral
2. Bora
3. Buran
4. Santa Ana

- (a) 1, 2 and 3 only
- (b) 2, 3 and 4 only
- (c) 1 and 4 only
- (d) 1, 2, 3 and 4

Ans.(a)

Q18. The proposed agreement being negotiated between China and ASEAN countries, including the Philippines, to regulate activities in the South China Sea is known as:

- (a) Treaty of Manila
- (b) Code of Conduct (COC)
- (c) ASEAN Maritime Pact
- (d) South China Security Treaty

Ans.(b)

Q19. Match List-I with List-II

List I (Concept)	List II (Founder/Coiner)
A. Ecology	I. Robert T. Paine
B. Ecosystem	II. Ernst Haeckel
C. Ecological Niche	III. Arthur G. Tansley
D. Keystone Species	IV. Joseph Grinnell

- (a) A-II, B-III, C-IV, D-I
- (b) A-IV, B-II, C-I, D-III
- (c) A-III, B-IV, C-II, D-I
- (d) A-I, B-II, C-III, D-IV

Ans.(a)

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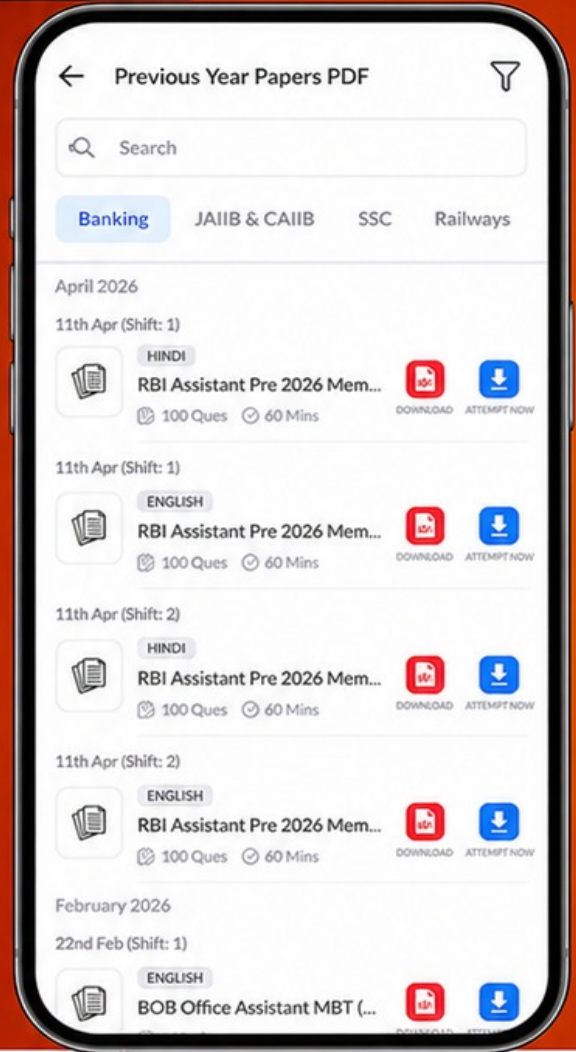
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Q20. India's and China's dependence on West Asian (Arab) countries for crude oil imports is an example of:

- (a) Cultural Dependency
- (b) Economic Dependency
- (c) Demographic Dependency
- (d) Environmental Dependency

Ans.(b)

Q21. Which of the following countries is often referred to as "Mini India" due to the large population of Indian origin residing there?

- (a) Fiji
- (b) Trinidad and Tobago
- (c) Mauritius
- (d) Guyana

Ans.(c)

Q22. As per census of India 2011, which of the following States registered negative value in population growth rate during the period 2001-2011?

- (a) Manipur
- (b) Nagaland
- (c) Tripura
- (d) Meghalaya

Ans.(b)

Q23. Who is regarded as the founder of modern geography?

- (a) Carl Ritter
- (b) Alexander von Humboldt
- (c) Friedrich Ratzel
- (d) Paul Vidal de la Blache

Ans.(b)

Q24. Who is associated with *Al-Muqaddimah*?

- (a) Al-Biruni
- (b) Ibn Khaldun
- (c) Al-Masudi
- (d) Avicenna

Ans.(b)

Q25. Consider the following statements regarding the two major island groups of India:

Statement I: The Andaman and Nicobar Islands are believed to be the emergent peaks of submarine mountains, representing an extension of the Arakan Yoma mountain range of Myanmar.

Statement II: The Lakshadweep Islands are entirely of volcanic origin, formed by hot spot activity over the oceanic crust.

- (a) Both Statement I and Statement II are correct.
- (b) Both Statement I and Statement II are incorrect.
- (c) Statement I is correct but Statement II is incorrect.
- (d) Statement I is incorrect but Statement II is correct.

Ans.(c)