

PT4/ANNUAL EXAMINATION, 2023-24

GEOGRAPHY

Time – 3 hrs.

Class – XI

M.M. – 70

Name of the student _____ Section _____ Date - 07.02.2024 (Wednesday)

GENERAL INSTRUCTIONS -

1. This question paper contains **28** questions. **All** questions are **compulsory**.
2. This question paper is divided into **five** sections. **Sections-A, B, C, D and E.**
3. **Section A** - Question number **1 to 14** are Multiple Choice type questions carrying 1 mark each.
4. **Section B-** Question number **15 and 16** are Source based questions carrying 3 marks each.
5. **Section C-** Question number **17 to 21** are Short Answer type questions carrying 3 marks each. Answer to these questions shall be written in 80 to 100 words.
6. **Section D** Question number **22 to 26** are Long Answer type questions carrying 5 marks each. Answer to these questions shall be written in 120 to 150 words.
7. **Section E** Question number **27 and 28** are Map based questions.

SECTION - A

Q1. Match the column and choose the correct option.

I. Flows in a rift valley between the Satpura in the south and the Vindhyan range in the north.	a. Son
II. It flows in the eastern margins of the Chotanagpur Plateau finally joins the Hugli	b. Subansiri
III. Is a large south bank tributary of the Ganga, originating in the Amarkantak plateau.	c. Damodar
IV. It's an antecedent river which joins river Brahmaputra.	d. Narmada

A. i-b, ii-d, iii-a, iv-c B. i- d, ii- c, iii- a, iv- b C. i- d, ii- b, iii- c, iv- b D. i-b, ii-c, iii-d, iv-a

Q2. Which of the following feature can NOT be associated with the western coastal plains

A. Delta B. Back water lake C. Natural ports D. Estuaries

Q3. Match the physical feature from column 1 with the names of state in which they are found, as stated in Column 2.

Column 1	Column 2
a. Nanda Devi peak	i. Kashmir
b. Spiti Valley	ii. Manipur
c. Loktak lake	iii. Sikkim
d. Duar formation	iv. Uttarakhand
e. Baltoro glacier	v. Himachal Pradesh

Choose the correct match

A. a-iv, b-v, c-ii, d-iii, e-i

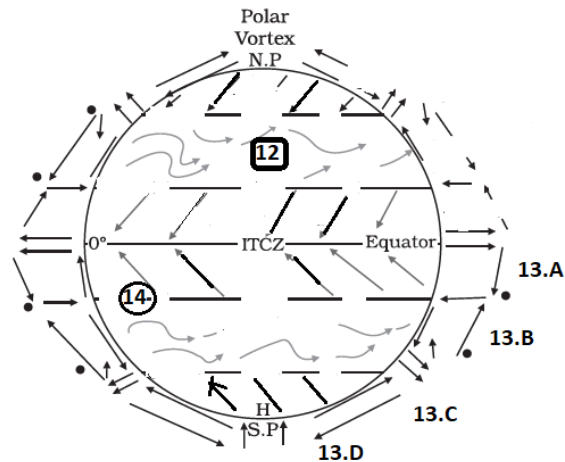
B. a-v, b-iii, c-ii, d-iv, e-i

C. a-v, b-iv, c-ii, d-iii, e-i

D. a-i, b-v, c-ii, d-iii, e-iv

- Q4. Which of the following feature is NOT associated with retreating monsoon season?
 A. Tropical cyclones B. Withdrawal of low-pressure trough
 C. Clear skies and rise in temperature D. Easterly jet stream
- Q5. Which of the following months coincide with the traditional Indian season 'Vasanta'?
 A. March – April B. February – March C. January -February D. April - May
- Q6. Assertion: India is a land of great variety of natural vegetation.
 Reason: Depending upon the variations in the climate and the soil, the vegetation of India changes from one region to another.
 A. Both the statements are true, and R is the correct explanation of A.
 B. Both the statements are true, and R is NOT the correct explanation of A.
 C. Only A is true
 D. Only R is true
- Q7. Which group of natural vegetation is found in Alpine vegetation?
 A. cedar, hollock and kail B. pers, birch and rhododendrons
 C. mahua, amla, semul, kusum D. khair, neem, khejri, palas
- Q8. Arrange these events in order of which will lead to formation of a star
 i. accumulation of hydrogen gas in the form of a very large cloud
 ii. rotating disc of gas and dust develops around the gas core.
 iii. smaller objects collide to form larger solid objects
 iv. the matter around the gas core develops small rounded objects
 A. i,iii,ii, iv B. i,iv,ii,iii c) ii,i,iv,iii d) ii,iii,iv,i
- Q9. Statement 1: Inner planets are denser and smaller as compared to outer planets.
 Statement 2: outer planets have denser atmosphere and have rings around.
 A. Both the statements are correct. B. Both are incorrect
 C. Only A is correct D. Only B is correct
- Q10. Assertion: The amount of water vapour increases from the equator to wards the poles.
 Reason: Poles are much cooler than the equator.
 A. Both the statements are true, and R is the correct explanation of A.
 B. Both the statements are true, and R is NOT the correct explanation of A.
 C. Only A is true
 D. Only R is true
- Q11. Arrange in sequence the process of condensation
 I. Air attains dew point
 II. Water vapors convert to tiny water droplets
 III. Air ascends upward due to constant heat
 IV. Cooling leads to saturation of air with water vapor
 A. ii, iii, i, iv B. iii, ii, iv, i C. iv, ii, iii, i D. iii, iv, i, ii

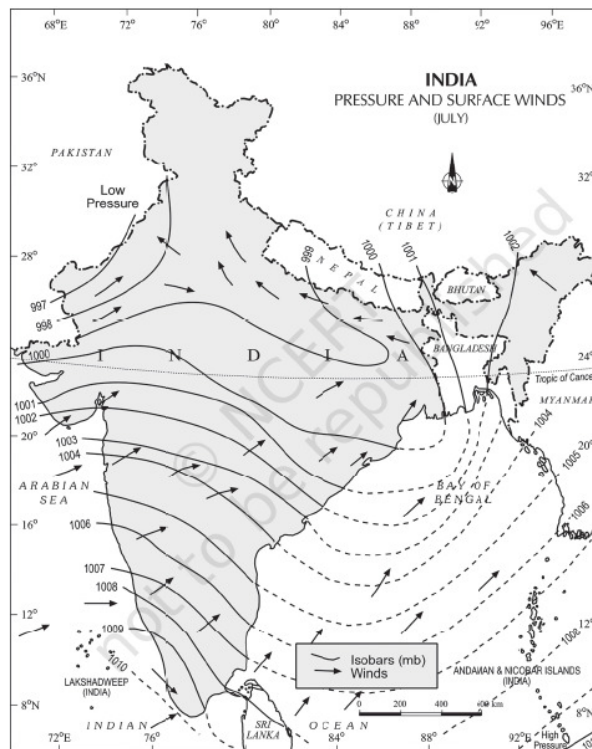
Study this diagram and answer the following questions.



- Q12 Identify the wind marked in the diagram by number 12.
 A. N.E Trade wind B. S.E Trade wind C. Westerlies D. Polar Easterlies
- Q13. Which one of the locations denotes the Ferrel cell?
 A. 13.A B. 13.B C.13.C D.13.D
- Q14. Identify the pressure belt marked in the diagram by number 14
 A. Sub-Tropical High pressure belt B. Equatorial Low Pressure belt
 C. Sub-Tropical Low Pressure belt D. Sub Polar low pressure belt

SECTION - B

- Q15. Below, the pressure and wind condition in July is shown. Answer the questions followed by this picture.



- A. Name the seasonal wind shown in this picture
 B. What is the direction of the wind in Uttar Pradesh?
 C. Name the state which has lowest atmospheric pressure

Q16. All waters in nature, whether rain water or ocean water, contain dissolved mineral salts. Salinity is the term used to define the total content of dissolved salts in sea water.

It is calculated as the amount of salt (in gm) dissolved in 1,000 gm (1 kg) of seawater. It is usually expressed as parts per thousand (o/oo) or ppt.

Salinity is an important property of sea water. Salinity of 24.7 o/oo has been considered as the upper limit to demarcate 'brackish water'.

Factors affecting ocean salinity are mentioned below:

(i) The salinity of water in the surface layer of oceans depend mainly one vaporation and precipitation.

(ii) Surface salinity is greatly influenced incoastal regions by the fresh water flow from rivers, and in polar regions by the processes of freezing and thawing of ice.

(iii) Wind, also influences salinity of an area by transferring water to other areas.

(iv) The ocean currents contribute to the salinity variations. Salinity, temperature and density of water are interrelated.

Highest salinity in water bodies

Lake Van in Turkey (330 o/oo), Dead Sea (238 o/oo), Great Salt Lake (220 o/oo)

1. What is 'brackish water'?
2. On what factors the salinity of water in the surface layer of oceans depend?
3. How is salinity calculated?

SECTION - C

Q17. Write three important features of Northern mountains as a physical unit of India.

Q18. 'Geography as a subject is the bridge between Social Science and Natural Science.' Elaborate

OR

Highlights the different approaches to study Geography.

Q19. Explain any three sources of information about the interior of the earth.

OR

Distinguish between P wave and S wave in three points

Q20. Explain the process of temperature inversion. Describe two conditions in which temperature inversion takes place.

OR

How distance from ocean, affects the climate of a place?

Q21. Explain with diagram, the depositional features made by river.

SECTION - D

Q22. Discuss the morphological features of Himalayas River System.

OR

Differentiate between Peninsular and Himalayas River system.

Q23. How monsoon influence the social, cultural and economic life of India?

Q24. Discuss in detail about the forest conservation policy implemented by Government of India.

Q25. Discuss the factors that lead to condensation? Explain any three forms of condensation?

OR

What is precipitation? Discuss the types of rain fall.

Q26. What are tides? Discuss the forces responsible for generating tides? How do relative positions of sun , moon and earth brings variations in tidal range?

SECTION - E

Q27.



Identify the demarcated feature in the world map. **(Any five)**

1. A tectonic plate boundary
2. Ocean
3. A Desert
4. A Country
5. Warm ocean current
6. Cold ocean current
7. A Desert

Q28. Locate the following in the outline map of India. **(Any five)**

- i. Area with lowest temperature
- ii. Keoladev Ghana Bird Sanctuaries
- iii. Gulf of Mannar
- iv. A salt lake in Rajasthan
- v. One important tributary of Ganga
- vi. Dachigam Wild life Sanctuaries

