

**BA ADMINISTRATION & GOVERNANCE  
FIRST SEMESTER  
FUNDAMENTALS OF GEOGRAPHY  
BAAG – 103**

**SET  
A**

**[USE OMR SHEET FOR OBJECTIVE PART]**

Duration: 3 hrs.

Full Marks: 70

Time: 30 mins.

**(Objective)**

Marks: 20

$1 \times 20 = 20$

**Choose the correct answer from the following:**

- With reference to trade winds, consider the following statements:
  - Trade winds bring rain to the western side of the continents.
  - Trade winds do not form fronts.Which of the statements given above is/are correct?
  - 1 only
  - 2 only
  - Both 1 and 2
  - Neither 1 nor 2
- With reference to Westerlies, consider the following statements:
  - Compared to the northern hemisphere, westerlies in the southern hemisphere are faster.
  - Westerlies flow from 30 degrees to 60 degrees north and southWhich of the statements given above is/are correct?
  - 1 only
  - 2 only
  - Both 1 and 2
  - Neither 1 nor 2
- Consider the following statements:
  - Polar easterlies are very dry and are extremely cold winds.
  - Winter solstice occurs in the month of June.Which of the statements given above is/are correct?
  - 1 only
  - 2 only
  - Both 1 and 2
  - Neither 1 nor 2
- Consider the following statements:
  - At Perihelion, Earth is farthest from the sun.
  - At Aphelion, the Earth is near the sun. Which of the statements given above is/are correct?
  - 1 only
  - 2 only
  - Both 1 and 2
  - Neither 1 nor 2
- With reference to temperature belts of the world, consider the following statements:
  - Equatorial low pressure belt present between 5 degrees North and South of the equator.
  - The tundra belt is present at 60-75 degrees North.Which of the statements given above is/are correct?
  - 1 only
  - 2 only
  - Both 1 and 2
  - Neither 1 nor 2
- With reference to Coriolis force, consider the following statements:
  - This force is caused due to deflection by earth's rotation.
  - The impact or efficiency of coriolis force increases with increasing height.Which of the statements given above is/are correct?
  - 1 only
  - 2 only
  - Both 1 and 2
  - Neither 1 nor 2

7. With reference to wind movement under coriolis force effect, consider the following statements:
1. In the northern hemisphere, the winds would deflect on the Left hand side
  2. In the southern hemisphere, the winds would deflect on the Right hand side.
- Which of the statements given above is/are correct?
- a. 1 only
  - b. 2 only
  - c. Both 1 and 2
  - d. Neither 1 nor 2
8. With reference to the Equatorial Low-Pressure Belt, consider the following statements:
1. This region lies along the equator and receives the highest amount of insolation.
  2. It is also known as Inter-Tropical Convergence Zone (ITCZ).
  3. It is characterized by stormy and turbulent weather.
- Which of the statements given above is/are not correct?
- a. 1, 2 and 3
  - b. 1 and 2 only
  - c. 2 and 3 only
  - d. None of the above
9. With reference to the orographic rainfall, consider the following statements:
1. The area situated on the leeward side receives less rainfall.
  2. This type of precipitation occurs when warm, humid air strikes a mountain range.
- a. 1 only
  - b. 2 only
  - c. Both 1 and 2
  - d. Neither 1 nor 2
10. Which of the following cloud is known for Thunderstorms and Lightning?
- a. Cumulonimbus
  - b. Cirrus
  - c. Stratus
  - d. Alto-cumulus
11. With reference to Insolation, consider the following statements:
1. During summer, insolation would be more.
  2. During winter, insolation would be less.
- Which of the statements given above is/are correct?
- a. 1 only
  - b. 2 only
  - c. Both 1 and 2
  - d. Neither 1 nor 2
12. With reference to Albedo, consider the following statements:
1. It is the amount of solar radiation reflected by the earth.
  2. Grass does not have albedo value.
- Which of the statements given above is/are correct?
- a. 1 only
  - b. 2 only
  - c. Both 1 and 2
  - d. Neither 1 nor 2
13. Which of the following are sources of Nitrogen?
1. Degassing
  2. Weathering of Rocks
  3. Fertilizer and Urea manufacturing plants
- Select the correct answer using the code given below:
- a. 1 only
  - b. 2 and 3 only
  - c. 1 and 3 only
  - d. 1, 2 and 3
14. With reference to Radiations, consider the following statements:
1. Solar radiations are short waves.
  2. Terrestrial radiations are long waves.
- Which of the statements given above is/are correct?
- a. 1 only
  - b. 2 only
  - c. Both 1 and 2
  - d. Neither 1 nor 2

15. With reference to Precipitation, consider the following statements:  
 1. The fall of moisture from the atmosphere over the earth's surface is known as precipitation.  
 2. Cloud and fog are the forms of precipitation.  
 Which of the statements given above is/are correct?  
 a. 1 only  
 b. 2 only  
 c. Both 1 and 2  
 d. Neither 1 nor 2
16. With reference to Stratosphere, consider the following statements:  
 1. It is an important layer for Jet and Aeroplane flying.  
 2. Meteors activity takes place in this layer.  
 Which of the statements given above is/are correct?  
 a. 1 only  
 b. 2 only  
 c. Both 1 and 2  
 d. Neither 1 nor 2
17. With reference to Troposphere, consider the following statements:  
 1. It is the lowermost layer of the atmosphere.  
 2. All the weather phenomenon takes place in this layer.  
 Which of the statements given above is/are correct?  
 a. 1 only  
 b. 2 only  
 c. Both 1 and 2  
 d. Neither 1 nor 2
18. Consider the following statements:  
 i. The crust is made of basalt  
 ii. The mantle is a viscous molten rock  
 iii. The outer core is a viscous liquid  
 iv. The inner core is solid  
 Which of the following statements is/are true?  
 a. i and ii  
 b. ii and iv  
 c. i and iii  
 d. iii and iv
19. Consider the following statements:  
 i. Step fault is an example of strike slip fault  
 ii. Uplifted blocks are called as graben  
 iii. Caspian sea is a rift lake  
 iv. Lake Victoria is a not rift lake  
 Which of the following statements is/are not correct?  
 a. i and ii  
 b. ii and iv  
 c. i and iii  
 d. iii and iv
20. Which of the following statement is/are true regarding endogenetic forces  
 i. Endogenetic forces are generated due to convective currents.  
 ii. Endogenetic forces shapes the earth's surface.  
 iii. Orogenesis process is associated with mountain building process.  
 Which of the following statements is/are true?  
 a. i only  
 b. ii only  
 c. iii only  
 d. All of the above

**( Descriptive )**

Time : 2 Hr. 30 Mins.

Marks : 50

[ Answer question no.1 & any four (4) from the rest ]

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|--|--------|
| 1. Explain why deserts are formed on the eastern margin of the oceans?               | 10     |
| 2. Explain how tropical cyclones are formed?   | 10     |
| 3. Write a note on how the seismic waves help in studying the interior of the earth. | 10     |
| 4. Write short notes on:   | 2×5=10 |
| a) Humidity capacity   |        |
| b) Dew point   |        |
| c) Absolute Humidity   |        |
| d) Inter Tropical Convergence Zone   |        |
| e) Shield volcano  |        |
| 5. What are jetstreams? Explain the different types                                  | 10     |
| 6. Explain the different types of clouds.  | 10     |
| 7. Explain the different types of rainfall.  | 10     |
| 8. Explain the different layers of atmosphere.                                       | 10     |

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