2023/12

SET A

BA/B.Sc. GEOGRAPHY THIRD SEMESTER CLIMATOLOGY & OCEANOGRAPHY BGE – 301 DMJ [USE OMR FOR OBJECTIVE PART]

Duration: 3 hrs.

Full Marks: 70

Objective)

Time: 30 min.

Marks: 20

Choose the correct answer from the following:

1 ×20=20

- In which of the following layer of atmosphere all weather phenomena occurs?
 - a. Troposphere

b. Stratosphere

c. Mesosphere

- d. Thermosphere
- 2. Which layer reflects the medium and high frequency radio waves back to the earth?
 - a. Stratosphere

b. Mesosphere

c. lonosphere

- d. Exosphere
- 3. The temperature increases with increasing altitude due to certain conditions is called
 - a. Normal Lapse Rate

b. Inversion of Temperature

c. Temperature Variation

- d. Temperature Gradient
- 4. Which of the following belt is called "Doldrums"?
 - a. Equatorial low pressure belt

b. Sub-tropical high pressure belt

c. Sub-polar low pressure belt

- d. Polar high pressure belt
- 5. The Coriolis effect is caused by
 - a. Earth Rotation

b. Earth Rotation and Revolution

c. Earth Revolution

d. Pressure Gradient

- 6. I.T.C.Z. Stands for
 - a. Islands Tropical Convergence Zone
 - c. Inner Trade Convergence Zone
- b. Indian Tropical Convergence Zone
- d. Inter Tropical Convergence Zone
- 7. The Westerlies and trade wind are example for following winds
 - a. Mesoscal

b. Toposcale

c. Macroscale

- d. Microscale
- 8. The lines joining the places of equal pressure at sea level are called
 - a. Isobars

b. Isoline

c. Isohyte

d. Isohaline

9.	The occluded front is formed a. In cold front When both warm and cold fronts coalesce	b. In warm frontsd. When cold front overtakes warm front
10.	Which one of the following is not a factor to a. Altitude c. Temperature	affect the atmospheric pressure? b. Presence of water vapour d. Rainfall
11.	Where is New Moore Island located? a. Bay of Bengal c. the Pacific Ocean	b. the Indian Ocean d. Arabian sea
12.	Which among the following seas is known to a. Caspian sea c. Dead sea	for the highest salinity? b. Red sea d. Sargasso sea
13.	Which sea has the lowest salinity? a. Baltic Sea c. Red sea	b. Sargasso sead. None of these
14.	Gulf stream is a. a river in the gulf c. another name of Jet Stream	b. an oceanic current d. a surface wind
15.	Which of the following is not a cold ocean of a. Canaries c. Oyashio	current? b. Humboldt d. Agulhas
16.	The country benefiting the most out of the N a. Poland c. Norway	lorth Atlantic Drift is b. Portugal d. Nigera
17.	Which one of the following is a cold curren a. Canary current c. Agulhas current	t of the South Atlantic Ocean? b. Benguela current d. Brazil current
18.	Which one of the following Oceanic curren a. Canaries c. California	ts is not associated with the Pacific Ocean? b. Kuroshio d. Humboldt
19.	 Which one of the following currents does not currents in the South Atlantic Ocean? a. Benguela c. Canary 	ot contribute to form a complete circle of b. Brazil d. West wind drift
20	. Which of the following is cold ocean curren Peruvian Current (Hamboldt Current)	t? b. Kuroshio Current

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d. Brazil Current

c. Gulf Stream

Descriptive

Time: 2 hrs. 40 min. [Answer question no.1 & any four (4) from the rest] 5+5=10 Explain briefly the meaning and scope of climatology. Give an account on the structure and composition of the atmosphere 3+7= 10 Define atmospheric pressure. Give a brief account on the global atmospheric pressure belt. 4+6=10 What do you mean by airmass and fonts? Give a brief description on general circulation of monsoon and jet streams. 5+5=10 4. Write Short notes on (any two) a. Precipitation Types b. Cyclones c. Fog and Clouds d. Stability and Instability What are the various conditions for the growth of Coral Reefs? Briefly discuss the types according to nature and mode of 5+5=10 occurrence of the reefs. What do you mean by Oceanography? Discuss its scope. 5+5=10 Write Short notes on (any two) Ocean salinity a. 5+5=10 b. Ocean temperature Ocean deposits c. 2+2+6 Define ocean Currents and Tides. Briefly discuss various =10 currents of the Atlantic Ocean

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