

M.Sc. (GEOGRAPHY) ENTRANCE EXAMINATION, MAY 2021

Time : Three Hours

Maximum Marks : 100

I. Answer *all* the multiple choice questions. Each question carries 2 marks :

- 1 As per the theory of plate tectonics which of the following is a super continent ?
 - a) Eurasia.
 - b) Africa.
 - c) Antarctica.
 - d) Australia.
- 2 When the Kaveri River as soon as it enters Tamil Nadu, which waterfall does it create ?
 - a) Hogenakkal falls.
 - b) Jog falls.
 - c) Five falls.
 - d) Paghaya kotlam.
- 3 Ozone hole is located above the :
 - a) Antarctica.
 - b) Equatorial.
 - c) Greenland.
 - d) Arctic Ocean.
- 4 Which of the following ocean is spreading due to plate tectonic movement ?
 - a) Atlantic Ocean.
 - b) Pacific Ocean.
 - c) Indian Ocean.
 - d) Arctic Ocean.
- 5 Settlements located at a distance from the river bank and other water bodies are called :
 - a) Wet point settlement.
 - b) Dry point settlement.
 - c) Strong point settlement.
 - d) Nucleated settlement.
- 6 The greatest share of fisheries comes from :
 - a) Deep seas.
 - b) Continental Shelves.
 - c) Deep ocean trenches.
 - d) Fresh waters.
- 7 The ranges of Western Ghats are locally called as 'Sahyadris' in which of the following State :
 - a) Tamil Nadu.
 - b) Karnataka.
 - c) Kerala.
 - d) Maharashtra.

Turn over

- 8 The normal cycle of erosion is associated with :
- a) Marine erosion.
 - b) Wind erosion.
 - c) River erosion.
 - d) Glacial erosion.
- 9 Which of the following types of clouds appear at the highest level in the sky ?
- a) Alto-cumulus.
 - b) Cirro-cumulus.
 - c) Cumulo-nimbus.
 - d) Strato-cumulus.
- 10 In Koppen's climatic classification the symbol AW refers to :
- a) Tropical savannah climate.
 - b) Monsoon climate.
 - c) Tropical rainforest climate.
 - d) Steppe climate.
- 11 Which of the following is the philosophical basis of quantitative revolution ?
- a) Existentialism.
 - b) Idealism.
 - c) Phenomenology.
 - d) Positivism.
- 12 Which one of the following reason dominates in Rural urban migration in India ?
- a) Marriage.
 - b) Education.
 - c) Family movement.
 - d) Employment.
- 13 Rice producing areas are associated with :
- a) Low density of population.
 - b) Moderate density of population.
 - c) High density of population.
 - d) None of the above.
- 14 The broadest part of Himalayas lies in :
- a) Himachal Pradesh.
 - b) Arunachal Pradesh.
 - c) Jammu & Kashmir.
 - d) Nagaland.
- 15 A counter clock-wise atmospheric circulation in the northern hemisphere is known as :
- a) Pressure gradient.
 - b) Cyclone.
 - c) Anti-cyclone.
 - d) Tornado.

- 16 Which of the following earthquake wave are more destructive ?
- a) S-wave.
 - b) P-wave.
 - c) R-wave.
 - d) L-wave.
- 17 Mediterranean climate is characterized by ?
- a) Dry summer and humid winter.
 - b) Humid summer and Dry winter.
 - c) Dry summer and Dry winter.
 - d) Humid summer and no winter.
- 18 Insolation reaches the earth surface in the form of :
- a) Short wave.
 - b) Long wave.
 - c) Microwave.
 - d) Lorenz curve.
- 19 Truck farming is associated with :
- a) Vegetables.
 - b) Milk.
 - c) Cereals.
 - d) Poultry.
- 20 Which of the following is formed as a result of tectonic force ?
- a) Hanging valley.
 - b) V shaped valley.
 - c) Rift valley.
 - d) Blind valley.
- 21 Who was the father of modern human geography ?
- a) Humbolt.
 - b) Ritter.
 - c) Ratzel.
 - d) None of these.
- 22 Who gave the concept of stop and go determinism ?
- a) Griffith Taylor.
 - b) Ratzel.
 - c) E. C. Semple.
 - d) Vidal de la Blache.
- 23 In addition to his Anthropogeography, Ratzel made important contribution to :
- a) Cultural geography.
 - b) Regional geography.
 - c) Physical geography.
 - d) Political geography.

Turn over

- 33 India's only active volcano is located in which island :
- a) Elephant island. b) Havelock island.
c) Barren island. d) Car Nicobar.
- 34 Out of the following which region has lowest altitude ?
- a) Rann of Kutch. b) Sunderbans.
c) Kuttanad. d) Dhanushkodi.
- 35 Deccan plateau is formed mainly from :
- a) Sedimentary rock. b) Sandstone.
c) Metamorphi rock. d) Igneous rock.
- 36 The theory of sea-floor spreading was proposed by :
- a) Holmes and Davis. b) Airy and Pratt.
c) Hess and Dietz. d) Wegnerand Ratzel.
- 37 Which of the following place on the earth is hottest ?
- a) Quetta. b) Al Aziza.
c) Jacobabad. d) Jaisalmer.
- 38 Which one of the following is the busiest oceanic trade route ?
- a) Panama. b) Suez canal.
c) North Atlantic route. d) Cape route.
- 39 Which school of geography does E.C. Semple belong ?
- a) American school of Geography.
b) Russian school of Geography.
c) British school of Geography.
d) French school of Geography.
- 40 The westerlies and trade winds are example of '————— winds'.
- a) Mesoscale. b) Toposcale.
c) Macroscale. d) Microscale.

(40 × 2 = 80 marks)

Turn over

II. Explain any *two* of the following within a maximum limit of 750 words :

- 1 What are the principles of central place theory ?
- 2 The interlinking of rivers can provide viable solution multi-dimensional inter-related problems of drought, floods and interrupted navigation. Critically examine.
- 3 Do you think that the pattern of Indian monsoon has changed in past decade ? Discuss how it impacts various facets of our lives.
- 4 Critically examine the significance of Environment Impact Assessment (EIA) process in the Indian context. Highlights the concerns associated with it.

(2 × 10 = 20 marks)