PART – I (MCQ)  (COMPELLUSORY)

Q.1. Select the best option/answer and fill in the appropriate box on the Answer Sheet. (20)

(i) The circumference of the Earth at the equator is:
   (a) 60,075 km (b) 50,075 km
   (c) 40,075 km (d) None of these

(ii) The proportion of radiation reflected from the snow covered surface is called:
   (a) brook (b) caldera
   (c) sinusoid (d) None of these

(iii) Worldwide geocaching is carried out by:
   (a) GIS (b) Remote sensing
   (c) GPS (d) None of these

(iv) Speed of the Earth at 45°N is:
   (a) 1180.7 km/h (b) 2180.7 km/h
   (c) 3180.7 km/h (d) None of these

(v) Chemical composition of the Earth dominating 34.6% by:
   (a) Silicon (b) Iron
   (c) Magnesium (d) None of these

(vi) Temperate, Torrid and Frigid zones, one ancient example of world climates is attributed to:
   (a) Plato (b) Herodotus
   (c) Aristotle (d) None of these

(vii) In Koppen Climate System Aw stands for:
   (a) tropical rainforest (b) tropical monsoon
   (c) tropical savanna (d) None of these

(viii) Which of the following civilization was shut down by droughts combined with devastating floods?
   (a) Nile (b) Indus
   (c) Inca (d) None of these

(ix) Pumice, gabbro and andesites are identified as:
   (a) sedimentary rocks (b) metamorphic rocks
   (c) Igneous rocks (d) None of these

(x) Great Barrier Reef is in the:
   (a) Atlantic Ocean (b) Pacific Ocean
   (c) Indian Ocean (d) None of these

(xi) A new sea has been officially created in the pacific Northwest is called:
   (a) Palish sea (b) Salish sea
   (c) Valish sea (d) None of these

(xii) On March 28, 2001 a tornado outbreak in Pakistan was experienced in:
   (a) Sahiwal (b) Bhalwal
   (c) Sajawal (d) None of these

(xiii) Agulhas is one of the worm currents of:
   (a) Indian Ocean (b) Atlantic Ocean
   (c) Arctic Ocean (d) None of these
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(xiv) A land formation with many caves caused by dolomite being dissolved by underground drainage is termed:
(a) Horst (b) Mesa
(c) Scree (d) None of these

(xv) Frontal zones where air masses are not moving against each other are called:
(a) Occluded fronts (b) Stationary fronts
(c) Warm fronts (d) None of these

(xvi) Mountain ranges near water sources can receive high rainfalls because of:
(a) Cyclonic activity (b) Rain shadow effect
(c) Orographic uplift (d) None of these

(xvii) Cartographers classify maps into two broad categories, reference maps and:
(a) Topographic maps (b) Thematic maps
(c) Atlases (d) None of these

(xviii) The oldest known projection dating back to about 500 B.C. is:
(a) Cylindrical Homolographic (b) Gnomonic
(c) Mollweide (d) None of these

(xix) Alexander – Von – Humboldt famous biogeographer produced five volumes of work in 1845, was called:
(a) Kosmos (b) Helios
(c) Mellios (d) None of these

(xx) Normal Cycle of erosion was devised by:
(a) Karl Ritter (b) Thornbury
(c) Monkhouse (d) None of these

PART – II

NOTE: (i) PART-II is to be attempted on the separate Answer Book.
(ii) Attempt ONLY FOUR questions from PART-II. All questions carry EQUAL marks.
(iii) Extra attempt of any question or any part of the attempted question will not be considered.

Q.2. Define mass wasting and explain mass wasting processes in detail. (20)
Q.3. Present the Rock Cycle in connection with its reincarnation. (20)
Q.4. Describe Landforms and evolution of landscapes of glaciation in the mid and high latitudes. (20)
Q.5. Identify geographic patterns of evapotranspiration. Examine the factors contributing to expanding deserts around the globe. (20)
Q.6. Discuss the Mediterranean Climatic Region with its dominating characteristics. (20)
Q.7. Show with an aid of a sketch map currents of the Indian Ocean. Bring out the influence of monsoon on currents of the North Indian Ocean. (20)
Q.8. Write comprehensive notes on ANY TWO of the following: (20)
   (i) Choice of Projections
   (ii) Synoptic Charts
   (iii) Planetary Winds
   (iv) Trends in January Isotherms

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