

(PART-B : Descriptive)

Time : 2 hrs. 40 min.

Marks : 50

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

1. a. How did plate tectonic theory overcome limitations of continental drift hypothesis? Explain. 5x2=10
b. Write a note on Indian Monsoon
2. What are different types of glaciers? Write about formation and movement of glaciers. 3+4+3
=10
3. Write about different environmental problems associated with extraction of minerals. 10
4. Define: Ice berg, Denudation, Asthenosphere, aquifers, Hydrologic budget 2x5=10
5. What is insolation? Discuss the factors that affect insolation? 2+8=10
6. Write about origin, classification and types of clouds. 3+3+4
=10
7. Write short notes on: Radiation windows, Net radiation budget 5x2=10
8. What are the needs and objectives of climate classification? Explain salient features of different climate classification schemes. 4+6=10

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M. Sc. ENVIRONMENTAL SCIENCE
SECOND SEMESTER
ENVIRONMENTAL GEOSCIENCES & METEOROLOGY
MEV – 202

(Use Separate Answer Scripts for Objective & Descriptive)

Duration : 3 hrs.

Full Marks : 70

(PART-A : Objective)

Time : 20 min.

Marks : 20

Choose the correct answer from the following:

1x20=20

1. The surface temperature of sun is about
a. 6000 °C b. 6900 °C
c. 1200 °C d. 5000 °C
2. These subatomic particles move is tremendous speed that are thrown violently into space
a. Solar particles b. Solar protons
c. Space protons d. Solar wind
3. Climatic stress is caused by insufficient and excessive regime of
a. Teperature b. Humidity
c. Solar radition d. All of the above
4. Teperature in troposphere
a. Decreases with height b. Rapidly increases with height
c. Slowly increases with height d. Remain constant
5. The heighest temperature on the earth is recorded at
a. 20° N b. 10° N
c. 15° N d. Equator
6. The main cause of high pressure belt in the sub tropical region is
a. Air subsidence b. Long winter nights
c. Cyclonic weather d. Anticyclonic weather
7. Xerophytic vegetation are
a. Microtherms b. Mesotherms
c. Megatherms d. Hepistotherms

