

Parvatibai Chowgule College of Arts and Science
Autonomous

B.A Semester End Examination, 29th January 2022

Semester: I

Subject: Geography

Title: Fundamentals of Physical Geography (Core)

Duration: 2 Hours

Max. Marks: 45.

Instructions:

1. All questions are compulsory
 2. Figures to the right indicate full marks
 3. Illustrate your answers with suitable examples/diagrams
 4. Students are expected to hand write the answer from 2 pm to 4 pm.
 5. By 04.05 pm picture of the answer sheet should be clicked.
 6. Convert the picture into PDF document and save it using your roll no. and upload on Google classroom before 5.00 pm.
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1. Answer ANY THREE of the following: (09)

- a) Describe the roles of *shear strength* and *slope angle* in the process of mass wasting.
- b) Define weather and climate.
- c) What is solar constant?
- d) Write the importance of ocean with reference to life and temperature.

2. Answer ANY TWO of the following: (12)

- a) Explain any two influencing factors for soil formation with a suitable example.
- b) Identify the type of mass wasting from picture A and B and write the causes for the same.



- c) Identify the type of weathering from the picture and describe the reason for the same.



3. Answer ANY TWO of the following: (12)

- a) “The diurnal temperature range of Bhopal/Agra is more than Margao” Justify your answer with reasons.
- b) Define climatology. Briefly explain the branches of climatology.
- c) Explain global heat budget and describe the causes for the depletion of solar radiation in the atmosphere.

4. Answer ANY ONE of the following: (12)

- a) Describe pressure belts of the globe and its relationship with general circulation of winds. Why are deserts found on the western side of continents?

OR

- b) “The climates of the coastal areas remain moderate” justify your answer with reference to the importance of oceanography and differentiate between chemical and geological oceanography.
