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.

(09)

(12)

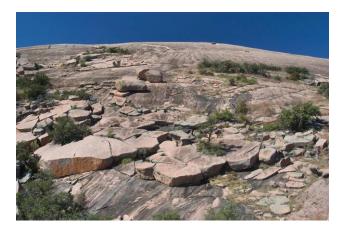
Instructions:

- 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.
- 1. Answer <u>ANY THREE</u> of the following:
- 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 <u>ANY **TWO**</u> of the following:
- 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 <u>ANY **TWO**</u> 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 <u>ANY ONE</u> 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.