Total number of printed pages–4

1 (Sem–4/AR) GGY 01 (A)

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2026

GEOGRAPHY

(Major/Minor–1)

Paper : GGY0400104

(Geomorphology)

Full Marks : 45

Time : 2 hours

The figures in the margin indicate full marks for the questions.

1. Answer the following questions in **one *or* *two*** word(s) : 1×5=5

(i) Who propounded the dictum that "Land is a function of structure process and time"?

(ii) Who introduced the concept of uniformitarianism?

(iii) _____ landform is associated with river erosion. *(Fill in the blank)*

(a) Inselberg

(b) V-shaped valley

(c) Playa

(d) Cirque

(iv) Which type of rock may contain fossils?

(v) Sandstone is metamorphosed to _____ rock. *(Fill in the blank)*

2. Answer the following questions in very short : ***(any five)*** 2×5=10

(i) Mention *two* branches of Geomorphology.

(ii) What is orogenic movement?

(iii) What is geosyncline?

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(iv) Name the *two* most Earthquake-prone belts of the world.

(v) Name *two* depositional features created by glacier.

(vi) Define Isostasy.

(vii) Name *two* metallic minerals.

(viii) What is Barkhan?

(ix) Name *two* major plates of the world.

(x) Name *two* important processes of slope formation.

3. Answer ***any four*** of the following questions in short : 5×4=20

(i) Distinguish between Endogenetic and Exogenetic forces of landform development.

(ii) Discuss briefly about the recent trends in geomorphology.

(iii) How folds are formed? Discuss the major types of fold.

(iv) What are the main causes of plate movement?

(v) Discuss in detail the different layers of the earth's interior with diagram.

(vi) Explain the processes of meander and ox-bow lake formation.

(vii) Present a note on the view of Davis on landform development.

(viii) Explain the Pratt's view on 'Isostasy'.

4. Answer the following questions : ***(any one)*** 10

(i) Discuss in detail the various erosional features created by river action.

(ii) Critically examine the continental drift theory of Wegener with its relevance in present-day world.

(iii) What are the different types of glacier ? Explain the various erosional landforms created by glacier with diagram.

(iv) Define plate Tectonics Theory. What are the different types of plate boundaries recognised on the basis of the movement of the plate ? Explain one of them in detail.

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