

2022/TDC (CBCS)/EVEN/SEM/ GELSEC-401T/250

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TDC (CBCS) Even Semester Exam., 2022

GEOLOGY

(4th Semester)

Course No.: GELSEC-401T 3. Reline solar constru

(Environment Geology) 9. Give two evidences of the distribution in

Full Marks: 50 comp mass: Pass Marks: 20

Time: 3 hours

The figures in the margin indicate full marks for the questions

SECTION—A

Answer any fifteen of the following questions:

1×15=15

- Name the most abundant rock type in 1. earth's crust.
- Define hydrological cycle.
- What is regolith? What is regolith? 3.

(Turn Over)



(2)

- 4. Which are the greenhouse gases?
- 5. Define alluvial soil.
- 6. What is lapse rate cooling?
- 7. Write the full form of IPCC.
- 8. Define solar constant.
- Give two evidences of climate change in recent times.
- Name two natural hazards that affect the Barak Valley.
- **11.** Write the difference between hazard and disaster.
- 12. Give two mitigation measures for flood.
- 13. What is the role of water in landslide?
- 14. What is the full form of LULC?
- 15. Select the potential source of green energy among C, O, H and He.
- 16. Name two man-made hazards.

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(Continued)

(3)

- 17. Which atmospheric gas protects earth from UV rays?
- 18. What is the most dominant greenhouse gas?
- 19. What is asthenosphere?
- 20. Boundary between troposphere and stratosphere is called what?

SECTION-B

Write on any five of the following:

2×5=10

- 21. Definition of lithosphere and hydrosphere
- 22. Composition of crust
- 23. Soil erosion
- 24. Basic tenets of the environmental law
- 25. Energy budget
- 26. Coastal environment
- 27. Ozone layer depletion

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(5)

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30.	. Watershed Transfer tention 2 and the	a)
	SECTION—C	
ş en.		×5=25
31.	Write short notes on the following: 2	½×2=5
	(a) Biosphere and human	
	(b) Different layers of atmosphere (wi	th ·

- 32. Write in detail about lithosphere. Draw 3+2=5 suitable diagrams.
- 33. Write notes on the following: 21/2×2=5
 - Air pollution

sketch)

28. Solar radiation

29. Hazard mitigation

- Soil contamination
- 34. Define soil. Describe the various soil-forming 1+4=5 processes.

(Continued)

- 35. Define global warming. Discuss in detail about the causes and effects of global warming. 1+4=5
- 36. Write short notes on the following : 21/2×2=5
 - Energy budget
 - (b) Arid environment
- 37. Define natural hazard. Discuss the causes of earthquake. 1+4=5
- 38. Write notes on the following: 21/2×2=5
 - (a) Landslides
 - Volcanism
- 39. Define giving example the conventional and non-conventional energy resources. Add a note on the merits and demerits of non-1+2+2=5 conventional energy resource.
- 21/2×2=5 40. Write short notes on the following:
 - (a) Land reclamation
 - Water resource management

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