

## 2021/TDC/CBCS/ODD/ GELDSC/GE-301T/128

6. Define gligeman, rock,

9. Define winthering

THE THREE STATE

TDC (CBCS) Odd Semester Exam., 2021 held in March, 2022

**GEOLOGY** 

7. What is normalize mineral?

(3rd Semester)

Nature two essential minerals of granure Course No.: GELDSC/GE-301T

( Petrology )

10. Distinguish between claster and non- which Full Marks: 50 Pass Marks: 20

Time: 3 hours regulations and and are

The figures in the margin indicate full marks for the questions

## SECTION—A

Answer/Write on the following (any fifteen):

townique teatent angle and 1×15=15

- What is lava?
- Define parental magma. 2.
- 3. What is fractional crystallization?
- 4. Define pluton.

(Turn Over)



## GELDSC/GE-301T/128

22J/757

	hyssal igneous rockrit
5.	. What is hypabyssal igneous (rock) (1971)
	Define ultramafic rock.
	Y A STORE OF THE S
_	What is normative mineral?
7.	The state of the s
	recential minerals of granite.
8.	Title ADVISALING ON STUDY
	Define weathering.
	GROUP LEAD
- 10	Distinguish between clastic and non-clastic
10.	gedimentary rock.
	Hass More: 20
11.	Write the basic difference between conglomerate and breccia.
	conglomerate and breccia.
12.	Write the composition of sandstone.
13.	Name two minerals that characterize
	low-grade metamorphism.
	the continuous factoring tany fifteens
14.	Cataclastic metamorphism
	A-2-3-4
15.	Mylonitic structure
	Myloridic structure
	Mylonitic structure  Index mineral
16.	Index mineral
16.	Myloridic structure

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(Continued)

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hand: that shows		
10 Nome - 1		
19. Name a low-grade metamorphic	rock.	
20. What is dominant mineral in	w mirrordi ite	
mothership Section (	Is as to see	
SECTION—B	O Zitaran	
any five of the f-11		
21 Reaction pro-	2×5=10	
22. Origin of magma by decomposition melting		
23. Classification of igneous rocks based on as silica saturation		
24. Diorite	36. Give a th	
25. Types of breccia que succus	STORY VALLE	
26. Shale	daoetatata	
pittyrenguym in serjy spotom	38. Iveribe	
27. Grades of metamorphism	- Parthane	
28. Phyllitic structure	39. Describe	
29. Textures of quartzite		
<b>30.</b> Petrography	Som stilla	
22J <b>/757</b>	(Turn Over)	

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## SECTION—C

Answer any five of the following questions:  $5 \times 5 \approx 25$ 

- 31. Describe with neat sketches the various types of forms of intrusive igneous rocks.
- 32. What is differentiation? Write a note on primary and secondary differentiation.

  Describe briefly the process of assimilation.

  1+1+3=1
- 33. Describe the salient features of IUGS classification of felsic igneous rocks.
- 34. Give a detailed petrographic description of rhyolite and syenite.  $2\frac{1}{2}+2\frac{1}{2}=5$
- **35.** Describe the primary sedimentary structures of mechanical origin.
- **36.** Give a detailed petrographic description of limestone.
- 37. Describe various types of regional metamorphism.
- **38.** Describe various types of metamorphic structures.
- **39.** Describe the petrographic varieties of schists.
- **40.** Give a detailed petrographic description of slate and marble.  $2\frac{1}{2}+2\frac{1}{2}=5$

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