Total number of printed pages-4 W

3 (Sem-4/CBCS) GLG HG/RC

(c) The most common rocks of the

(i) SandYDOJOB and limestone

odds (Honours Generic/Regular)

Paper: GLG-HG-4016/GLG-RC-4016

(Stratigraphy and Paleontology)

Full Marks: 60

Time: Three hours

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

- . Choose the correct option: 1×7=7
 - (a) Which of the following is not a chronostratigraphic unit?
 - (i) System
 - (ii) Series an earle (ii)
 - (ii) their movable hadqan(iii) able
 - (iv) Stage
 - (b) In the Cuddapah Basin the effects of metamorphism is seen to increase from -
 - (i) North to South qido 3
 - (ii) South to North

	(iii) West to East string to reduce letoT	
)5/\DB	(iv) East to West	
(c)	The most common rocks of the	
	Vindhyan Supergroup are -	
	(i) Sandstone, shale and limestone	
	(ii) Sandstone, Granite and Gabbro	
31	(iii) Limestone, Granite and Schist	
((iv) Limestone, Conglomerate and Gneiss	
(d)	Gastropods exhibit -	
	(i) Bilateral symmetry	
	(ii) Radial symmetry	
	(iii) Biradial symmetry	
1×7=	(iv) Asymmetry	
(e)	In Trilobites the segment of the thorax and the pygidium can be differentiated by –	
	(i) their shape and size	
	(ii) their movable and immovable character	
	(iii) the nature of their furrows	
ects o	(iv) the total number of segments	
(f)	The progenitor of horse was -	
	(i) Eohippus	
	(ii) Miohippus of discolaring	
em-4/CI	BCS) GLG HG/RC/G 2	

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(iv) Pliohippus
      The fauna which comprises exclusively
       of active swimmers is described as -
(i) 8+2=10°
           Plankton leoigeloeg rieds
            Nekton
        (ii)
 Describe the evolutional (iii) tory of
 (iv) Pelagic delated search
   Write briefly on the following:
 (a) Barail group
       Taxodont dentition
       Ammonitic suture
 (d) Sinistral coiling in Gastropod
3. Write detailed notes on : (any three)
      Bio-stratigraphic unit
       Dentition pattern in Bivalves
       Stratigraphy of Jurassic of Kutch
 (d) Importance of fossil
       Cenozoic stratigraphy of Assam
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Merychippus wollof add nawan A

 $2 \times 4 = 8$

5×3=15

Answer the following questions: (a) With neat sketch describe the

4.

morphological characteristics of phylum Brachiopod. Add a note on their geological distribution. 8+2=10

Sandstoor

Describe the evolutionary history of Horse. Elaborate how horses occupied the whole world throughout their 7+3=10evolution. Write briefly on the following

Discuss the stratigraphy, lithology and (b) tectonics of Vindhyan Supergroup. Biradan dentition and 10

Ammonitic sut 10 summer

Define chronostratigraphy. Discuss different types of chronostratigraphic units. Add a note on Geological time 31=8x3 scale. or shape and size 2+5+3=10

(c) Write an elaborate note on stratigraphy of Dharwar Province. (b) Dentition pattern in Bivalves

Define stratigraphy. Write a note on principles of stratigraphy. 2+8=10