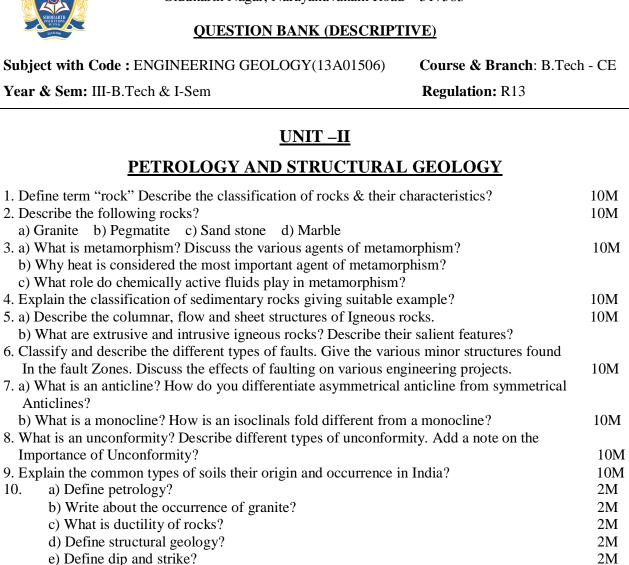
Engineering Geology



SIDDHARTH GROUP OF INSTITUTIONS :: PUTTUR

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Prepared by:

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QUESTION BANK 2016

QUESTION BANK 2016 SIDDHARTH GROUP OF INSTITUTIONS :: PUTTUR Siddharth Nagar, Narayanavanam Road - 517583 **QUESTION BANK (OBJECTIVE)** Subject with Code : ENGINEERING GEOLOGY(13A01506) Course & Branch: B.Tech - CE Year & Sem: III-B.Tech & I-Sem **Regulation:** R13 1) Petrology is a study of Γ 1 A) Rock B) minerals C) Petrol D) soil 2) A course grained plutonic igneous rock composed predominantly of quartz, bicrocline, and Biotite D) Anorthosite A) Gabbro B) Syenite C) Granite 3) What is the name of the rock consisting essentially of olivine and Anorthosite B) Troctolite C) Allivalites D) Picrite A) Eucrite 4) Rocks are broadly classified into how many groups A) 2 B) 3 D)5 C)4 \_\_\_\_ rocks are formed by cooling and magnification of magma 5) 1 A) Metamorphic rocks B) Igneous rocks C) Sedimentary rocks D) None of these 6) The pressure and heat that drive metamorphism result from which three forces? A) The internal heat of the Earth, the weight of overlying rocks, and horizontal pressures developed as rocks become deformed B) The weight of the overlying rocks, solar heating, and nuclear fusion C) Horizontal pressures developed as rocks deform, bonding, heat released during crystallization D) Internal heat of the Earth, nuclear fission, heat released during chemical weathering 7) Granite is derived from word 1 A) Latin B) Greek C) French D) Korea 8) Rock defined as 1 A) Aggregation of minerals B) Aggregation of rocks C) Aggregation of lava D) Aggregation of magma 9) The texture of the granite 1 A) Course-medium grained B) Halo crystalline texture C) Ophitic texture D) Porphyrite texture % of earth crust is composed of igneous rocks 10) A) 90% B) 80% C) 70% D) 75% 11) A coarse grained plutonic igneous rocks composed predominantly of Quartz, Microcline and Biotite is 1 C) Granite D) Anorthosite A) Gabbro B) Syenite 12) Which type of pressure will result in the alignment of metamorphic minerals? 1 A) Contact pressure B) Directed pressure C) Confining pressure D) Chemical pressure 13) What is the most prominent textural feature of regional metamorphic rocks? 1 A) Foliation B) Bedding C) Cataclastic D) Ripples 14) The temperature (at least a minimum estimate) from which the melt cooled is reflected by the of the rock. 1 B) Texture A) Mineralogy C) Colour D) Density 15) Organic sedimentary rock is 1 A) Lime stone B) Mud stone C) Sand stone D) Shale 16) The sedimentary rock without stratification is 1 B) Lime stone A) Sand stone C) Shale D) Tallit 17) The last mineral (assuming that the composition is appropriate) to crystallize from magma is: A) Plagioclase B) Olivine C) Quartz D) Pyroxene texture of sand stone ſ 

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8) During crystallization of a melt plagioclase become richer in	. [ ]
A) Potassium B) Sodium C) Calcium D) Krypton	- L J
(9) The purest form of limestone is	[ ]
A) Dolomite B) Shale C) Chalk D) Sand stone	
20) Structural geology is concerned with	[ ]
A) Only solids B) Only liquids C) Only gases D) All solids, liqu	ids & gases
21) Which of the following is a concordant intrusive rock?	[ ]
A) Dike B) Sill C) Stock D) Batholith	
22) Dip is defined as	[ ]
A) Bed of direction of intersection of the bedding plane B) maximum angle o	f slope of a bed
C) Covered by thin or thick layers D) Only with thick layers	
23) The direction of intersection of the bedding plane with an horizontal plane	es [ ]
A) Outcrop B) Bedding C) Dip D) Strike	
24) Which of the following igneous rocks crystallizes near the Earth's surface	?
A) Basalt B) Gabbro C) Diorite D) Granite	
25) Parallel folding is also termed as	[ ]
A) Similar B) Flexural C) Flexural flow D) Concentric	r 1
26) Synform is a	[ ]
A) Type of syncline B) Morphological feature resembling syncline	
C) Morphological feature of unknowns stratigraphy D) Both b & c	г 1
27) A limited area of older rocks surrounded by younger rocks is calledA) Outlier B) OverlapsC) InlierD) Off flap	
28) Symmetrical fold is also known as	ГІ
A) Upright fold B) Asymmetrical fold C) Recommended fold	D) Monocline
(29) The curved part of the fold between the normal and in vertical limb is known	
A) Arch bend B) Curved bend C) Normal bend D) Axial bend	
30) Nappe structures can be formed by	
A) Over thrusting. B) Recumbent folding. C) Normal faulting. D)	(a) and (b).
B1) Where the internal limb angle is $>70^{\circ}$ is fold	
	Type fold
32) Shear fold is also known as	[]
A) Over fold B) Slip fold C) Drag fold D) Open fold	
33) Chevron fold is also known as	[ ]
A) Isoclinals fold B) Similar fold C) Zig-zag fold D) Paralle	el fold
34) Faults are classified into	[ ]
A) 2 B) 3 C) 4 D)5	
35) An example of fold mountain range in Southern America is	[ ]
A) Andes B) Alps C) Rock Mountains D) Himalayas	
36) When rock layers bend downwards, they form a	[ ]
A) Limbs B) Syncline C) Anticline D) Cliff	
37) Rift valleys and block mountains are landforms that are formed by	[ ]
A) Folding B) Faulting C) Displacement D) Collision	
38) Faulting takes place when rocks within Earth's crust form	[ ]
A) Water Spaces B) Mountains C) Asymmetrical Mountains	D) Cracks
(39) A disconformity is	L J
A) A rock unit that does not contain fossils	
3) An erosional surface between igneous and metamorphic rocks	
C) An erosional surface between horizontal sedimentary rocks	

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<ul><li>D) An erosional surface be</li><li>40) Tight fold has inter lin</li></ul>	•1	[ ]	
A) Between 70-120°C	B) Between 30-70°C		
A) Between 30-10°C	A) Less than 10°C		

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