

**GEETHANJALI INSTITUTE OF SCIENCE & TECHNOLOGY****(AN AUTONOMOUS INSTITUTION)**

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QUESTIONBANK(DESCRIPTIVE)**Subject Name with Code: BUILDING MATERIALS & 22A0149T****Course & Branch: B. Tech-CS, DS, CSE, AIML****Year& Semester: III & I****Regulation: RG22****UNIT - I**

S.No.	Question	[BT Level] [CO][Marks]
2 Marks Questions (Short)		
1.	List out classification of Rocks?	L1 CO1 2M
2.	Define Dressing of a stone	L1 CO1 2M
3.	List out types of stone masonry	L1 CO1 2M
4.	List out brick manufacture process	L1 CO1 2M
5.	Define Quarrying of stone	L1 CO1 2M
6.	Define Fat Lime	L1 CO1 2M
7.	Define cement	L1 CO1 2M
8.	List out process of manufacture of cement	L1 CO1 2M
9.	Define Brick	L1 CO1 2M
10.	Define seasoning of Timber	L1 CO1 2M
Descriptive Questions (Long)		
11.	Explain briefly about classification of Rocks.	L2 CO1 12M
12.	Explain types of Rubble stone masonry with neat sketches	L2 CO1 12M
13.	Explain types of Ashlar stone masonry with neat sketches	L2 CO1 12M
14.	Explain briefly about the manufacturing process of bricks and uses of bricks	L2 CO1 12M
15.	Explain the types of brick bonds with neat sketches	L2 CO1 12M
16.	Define lime and Explain classification of lime in detail	L2 CO1 12M
17.	Draw the flowchart for manufacturing process of cement and explain types of cements.	L2 CO1 12M
18.	Illustrate the methods of seasoning of timber	L2 CO1 12M

UNIT - II

S.No.	Question	[BT Level] [CO][Marks]
2 Marks Questions (Short)		
1.	What is the definition of lintel	L1 CO2 2M
2.	Define arch	L1 CO2 2M
3.	List out types of arches.	L1 CO2 2M
4.	List out types of lintels	L1 CO2 2M
5.	Define vault	L1 CO2 2M
6.	Define lift or elevator	L1 CO2 2M
7.	List the types of roofs	L1 CO2 2M
8.	Sketch the king post truss with elements	L1 CO2 2M
9.	Sketch the queen post truss with elements	L1 CO2 2M
10.	List out types of doors and windows	L1 CO2 2M
Descriptive Questions (Long)		
11.	Explain Lintel in detail with classification	L2 CO2 12M
12.	Illustrate arch and explain any two classifications of arches with neat sketch	L2 CO2 12M
13.	Explain briefly about concrete flooring, mosaic flooring, terrazzo flooring	L2 CO2 12M
14.	Define stair case and explain classifications with neat sketches	L2 CO2 12M

15.	Define door and explain types of doors with neat sketches	L2 CO2 12M
16.	Describe flooring and types of flooring	L2 CO2 12M
17.	Explain Pitched Roof and lean to roof with neat sketch	L2 CO2 12M
18.	Illustrate with neat sketch i. King post truss ii. Queen post truss iii. Coupled roof	L2 CO2 12M
19.	Illustrate components and types of windows	L2 CO2 12M

UNIT - III

S.No.	Question	[BT Level] [CO][Marks]
2 Marks Questions (Short)		
1.	Define Dampness	L1 CO3 2M
2.	What is DPC?	L1 CO3 2M
3.	List out materials used in damp proofing	L1 CO3 2M
4.	Define cavity wall used in damp proof	L1 CO3 2M
5.	List the requirements for ideal material for damp proof	L1 CO3 2M
6.	What are the reasons for dampness in building	L1 CO3 2M
7.	In which ratio cement concrete used in damp proof course	L1 CO3 2M
Descriptive Questions (Long)		
11.	Explain causes of dampness	L2 CO3 12M
12.	Illustrate the effects of dampness	L2 CO3 12M
13.	Illustrate the materials used to prevent dampness	L2 CO3 12M
14.	Illustrate methods of damp proofing with neat sketches	L2 CO3 12M
15.	Explain any Four materials used to prevent dampness	L2 CO3 12M
16.	Write about requirements of an ideal material for damp proofing	L2 CO3 12M

UNIT - IV

S.No.	Question	[BT Level] [CO][Marks]
2 Marks Questions (Short)		
1.	List out any five basic principles of planning.	L1 CO4 2M
2.	Abbreviate NBC list any 5 parts of NBC.	L1 CO4 2M
3.	List the Parts of NBC 2005	L1 CO4 2M
4.	What are the general utilities in a residential building	L1 CO4 2M
5.	Define privacy list the types	L1 CO4 2M
6.	Draw a neat sketch of aspect in planning	L1 CO4 2M
7.	List out benefits of energy efficiency in planning	L1 CO4 2M
8.	Define circulation and list the types	L1 CO4 2M
9.	Define prospect in terms of planning	L1 CO4 2M
10.	What is purpose of Building code	L1 CO4 2M
Descriptive Questions (Long)		
11.	Explain principles of planning in detail	L2 CO4 12M
12.	Discuss about basic requirements of building planning	L2 CO4 12M
13.	Illustrate planning for energy efficiency	L2 CO4 12M
14.	Describe planning based on utilities for a building	L2 CO4 12M
15.	Define Building Code and purpose of building code	L2 CO4 12M
16.	Explain briefly about National Building Code	L2 CO4 12M
17.	Define NBC and List the contents of NBC with salient features	L2 CO4 12M

UNIT - V

S.No.	Question	[BT Level] [CO][Marks]
2 Marks Questions (Short)		
1.	Define Zoning	L1 CO5 2M
2.	List the types of zoning	L1 CO5 2M

3.	What are advantages of zoning	L1 CO5 2M
4.	List the regulations regarding layout	L1 CO5 2M
5.	List out types of buildings	L1 CO6 2M
6.	Define carpet area	L1 CO6 2M
7.	Abbreviate FAR, FSI, BIS	L1 CO6 2M
8.	Define plinth area	L1 CO6 2M
9.	Define FAR with formula	L1 CO6 2M
10.	Define FSI	L1 CO6 2M
Descriptive Questions (Long)		
11.	Describe briefly about zoning	L2 CO5 12M
12.	Explain regulations regarding layouts or subdivisions	L2 CO5 12M
13.	Illustrate Rules for special types of buildings in detail	L2 CO5 12M
14.	Define Building regulation. List some common Building regulations	L2 CO5 12M
15.	Explain Plinth area and carpet area floor area ratio, floor space index	L2 CO6 12M
16.	A plot area owner proposed G+1 construction with 150m ² construction on each floor on a plot of size 14 X 19 m. Find ground coverage and FSI proposed. If margins from all sides are 3m and FSI = 1 are must as per bye-laws. State with reasons whether plan will be sanctioned or not.	L2 CO6 12M
17.	A bungalow is to be constructed on a plot size 30 X 50m with G+1 storeys. Permissible FSI is 0.8 and front margins is 4m and side margins are 3m each. If maximum construction is to be made on the ground floor. Compute the area that can be constructed on first floor.	L2 CO6 12M
18.	Define BIS. Explain functionalities of BIS in detail	L2 CO6 12M

Signature of the Staff:

Signature of Department Academic Committee Member 1:

Signature of Department Academic Committee Member 2:

Signature of Department Academic Committee Member 3: