

Code No: W0122

**R07****SET - 1**

**II B. Tech I Semester, Supplementary Examinations, Nov – 2012**  
**BUILDING MATERIALS AND CONSTRUCTIONS**  
(Civil Engineering)

Time: 3 hours

Max. Marks: 80

Answer any **FIVE** Questions  
All Questions carry **Equal** Marks

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1. Write the various methods of manufacturing of bricks with neat sketches. (16M)
2. a) Write the uses and qualities of gypsum in connection with construction activity?  
b) Write the uses of tiles? (8M+8M)
3. a) Explain the properties of cement.  
b) Write and explain various tests on cement concrete? (8M+8M)
4. a) What are the alternative materials for galvanized iron and explain their importance?  
b) Explain the seasoning of timber by using various methods with the help of neat sketches (8M+8M)
5. What are the different types of masonry and explain them in brief with help of neat sketches? (16M)
6. Explain the spread footing with the help of neat sketch and write the uses of providing this foundation? (16M)
7. a) Explain the queen post truss with the help of neat sketch and write about its importance?  
b) Write the different types of stair cases? (8M+8M)
8. a) Write a short notes on distempering  
b) Explain what you understand by scaffolding and its importance in civil Engineering applications. (6M+10M)

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**R07****SET - 2****II B. Tech I Semester, Supplementary Examinations, Nov – 2012****BUILDING MATERIALS AND CONSTRUCTIONS**

(Civil Engineering)

Time: 3 hours

Max. Marks: 80

Answer any **FIVE** Questions  
All Questions carry **Equal** Marks

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1. a) What do you understand about the composition of good brick earth and explain?  
b) Explain the classification of stones using for building construction? (8M+8M)
2. a) Write the uses and qualities of aluminium in connection with the constructive activity?  
b) Write the manufacturing methods of tiles with the help of neat sketches? (8M+8M)
3. a) Write the constituents of limestone and explain?  
b) Write the types of cement and explain clearly? (8M+8M)
4. a) Write the classification of various types of wood used in building construction?  
b) Write a short notes on structure of timber? (8M+8M)
5. Explain different types of English bond with the help of neat sketch? (16M)
6. Explain the combined footing with the help of neat sketch and write the uses of providing this foundation? (16M)
7. a) Define a lintel and write the necessity of providing a lintel in building construction  
b) What do you understand by flat and curved roof with the help of neat sketch? (8M+8M)
8. a) Define damp proof course and explain briefly about water proofing?  
b) What are the constituents of paints? (8M+8M)

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**R07****SET - 3****II B. Tech I Semester, Supplementary Examinations, Nov – 2012****BUILDING MATERIALS AND CONSTRUCTIONS**

(Civil Engineering)

Time: 3 hours

Max. Marks: 80

Answer any **FIVE** Questions  
All Questions carry **Equal** Marks

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1. a) Write the comparison between clamp burning and kiln burning?  
b) Write a short note on dressing of stones? (8M+8M)
2. a) What are the qualities of good bricks, Explain clearly?  
b) Write the uses and qualities of glass in connection with construction activity? (8M+8M)
3. a) Explain various ingredients of lime?  
b) Explain various ingredients of cement concrete and explain their importance? (8M+8M)
4. a) Write the defects in timber and explain with help of neat sketches?  
b) What are the alternative materials for the fibre reinforced plastics and explain their importance. (8M+8M)
5. a) What do you understand by rubble masonry and explain with the help of neat sketches.  
b) Write short notes on cavity walls? (8M+8M)
6. Explain the strap footing with the help of neat sketch and write the uses of providing this type of foundation. (16M)
7. a) Define an arch and write the necessity of providing an arch in building construction.  
b) What do you understand by madras terrace and explain with the help of neat sketches? (8M+8M)
8. a) Write a short note on plastering and pointing?  
b) What are the different types of paints? (8M+8M)

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**R07****SET - 4****II B. Tech I Semester, Supplementary Examinations, Nov – 2012****BUILDING MATERIALS AND CONSTRUCTIONS**

(Civil Engineering)

Time: 3 hours

Max. Marks: 80

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Answer any **FIVE** Questions  
All Questions carry **Equal** Marks

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1. a) Write the structural requirements of various building stone with a brief explanation?  
b) Define the stone quarrying and explain the precautions in blasting? (8M+8M)
2. a) Write the uses and qualities of bituminous material in connection with construction activity.  
b) Write the types of tiles and explain them with neat sketches? (8M+8M)
3. a) Explain various field and laboratory tests for cement?  
b) Write a short note on classification of lime? (8M+8M)
4. a) What are the properties of timber?  
b) What are the alternative materials of aluminium and explain their importance in connection with the building construction? (8M+8M)
5. a) Explain different types of Flemish bond?  
b) Write short notes on ashlar masonry? (8M+8M)
6. a) Write short notes on shallow foundation?  
b) Explain briefly about mat footing? (8M+8M)
7. a) Write the types of arches and explain them with the help of neat sketches  
b) Write a short note on lean roof and coupled roof? (8M+8M)
8. a) Write a short note on painting of old wood?  
b) What do you understand by white washing? (8M+8M)