

Code No: R21012

R10

SET - 1

II B. Tech I Semester Supplementary Examinations, Jan - 2015
CONSTRUCTION MATERIALS AND MANAGEMENT
(Civil Engineering)

Time: 3 hours

Max. Marks: 75

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

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1. What do you understand about the Blasting and write the procedure of blasting and also mention the precautions in blasting. (15M)
2. Draw the different types of English bonds and explain clearly in connection with the construction techniques? (15M)
3. Write the Various methods Manufacturing of lime with the help of neat sketches? (15M)
4. What do you understand about the Lintels and Arches and explain them clearly with the help of neat sketches? (15M)
5. Write the classification of aggregates and also explain the coarse and fine aggregates in connection with the building construction? (15M)
6. Write the applications and test on Geo- textiles? (15M)
7. a) Explain the controlling and scheduling of construction project?  
b) What is meant by net work planning and Explain? (7M+8M)
8. a) Explain the PERT networks and also present about the event slack?  
b) What factors are to be considered for achieving project targets? (7M+8M)



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**SET - 2**

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**CONSTRUCTION MATERIALS AND MANAGEMENT**  
(Civil Engineering)

Time: 3 hours

Max. Marks: 75

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

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1. Write your idea about the dressing of stones and also explain about the composition of good brick earth? (15M)
2. Draw the different types of Flemish bonds and explain clearly in connection with the construction techniques? (15M)
3. Write the classification of lime stone and also present the constituents of lime? (15M)
4. Write the different types of floors and draw the sketches for the Mosaic and Concrete floors? (15M)
5. Clearly mention the procedure and applications of Marshall' method of bituminous mix design? (15M)
6. Write the applications and test on Geo- grids? (15M)
7. a) Present your explanation on monitoring of construction project?
b) Define CPM and also explain it briefly? (7M+8M)
8. a) Write different time estimates used in PERT?
b) How to achieve project targets in time and Explain? (7M+8M)



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SET - 3

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CONSTRUCTION MATERIALS AND MANAGEMENT
(Civil Engineering)

Time: 3 hours

Max. Marks: 75

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

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1. Write the uses of Aluminium, gypsum, glass and bituminous materials which are suitable for building construction? (15M)
2. Draw the structure of wood and explain all the parts of structure in detail? And also write a short note on aluminum as a alternate material for timber? (15M)
3. Write the various types of cements and also explain the properties of good cements (15M)
4. Draw the King post Truss and explain the components of it clearly (15M)
5. Explain the procedure for determining the Specific gravity and bulk density of Aggregates? (15M)
6. What are the different types of construction equipment and explain any two of them? (15M)
7. a) Explain the scheduling of construction project?  
b) What is the significance of computation of times and floats? (7M+8M)
8. a) Compare CPM and PERT?  
b) Explain briefly PERT Network? (7M+8M)



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**SET - 4**

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**CONSTRUCTION MATERIALS AND MANAGEMENT**  
(Civil Engineering)

Time: 3 hours

Max. Marks: 75

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

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1. What are the properties of building stones and explain in detail with the help of neat sketches if necessary? (15M)
2. Explain about the Seasoning of Timber and also write clear note on the defects of timber used in building construction? (15M)
3. Write and explain the various field and laboratory tests on cements? (15M)
4. With the help of neat sketch explain all the components of Queen post? (15M)
5. Write the Road Note. No. 4 method for grading of fine and coarse aggregates? (15M)
6. Write clear note on Crashing for optimum cost and also on Resource allocation? (15M)
7. a) Explain various steps involved in planning of constructions projects
b) Write short notes on Bar charts? (7M+8M)
8. What are the different elements present in PERT network and explain with suitable example? (15M)