

Code No: 07A30102

R07**Set No. 2**

II B.Tech I Semester Examinations, November 2010
BUILDING MATERIALS AND CONSTRUCTION
Civil Engineering

Time: 3 hours**Max Marks: 80**

Answer any FIVE Questions
All Questions carry equal marks

1. (a) Explain the classification of stairs based on the materials of construction.
 (b) "Shell roofs are becoming more popular these days". Give reasons to support this statement. Draw sketches for the frame work of a North light shell roof and a multiple cylindrical shell roof. [8+8]
2. State with reasons, the stones you would recommend for use in following works :
 (a) Road metal
 (b) Railway ballast
 (c) Building near by sea
 (d) Decorative works
 (e) Fire proof
 (f) Roof coverings
 (g) Water retaining
 (h) Retaining walls. [8×2=16]
3. Write short notes on :
 (a) Types of shakes
 (b) Rind gall
 (c) Upset
 (d) Types of knots
 (e) Cup - Bow - Twist. [4+2+2+5+3]
4. (a) What is Stucco plastering? Describe the method of applying 'Stucco' on interior and exterior walls?
 (b) How do you select the materials and sizes of forms for construction work? [10+6]
5. Compare stone Masonry with brick masonry. [16]
6. (a) Differentiate between combined footing and strap footing?
 (b) What do you understand by a 'shallow foundation'? Draw sketches to show various types of shallow foundations. [8+8]
7. (a) What is meant by slaking of lime? Why it is necessary.

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(b) Water to lime slaking & Lime to water slaking differentiate and explain the methods.

(c) Write classification of the hydraulic lime. [3+9+4]

8. Describe in brief the special varieties of glass. [16]

FIRSTRANKER

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R07**Set No. 4**

II B.Tech I Semester Examinations, November 2010
BUILDING MATERIALS AND CONSTRUCTION
Civil Engineering

Time: 3 hours**Max Marks: 80**

Answer any FIVE Questions
All Questions carry equal marks

1. Compare stone Masonry with brick masonry. [16]
2. State with reasons, the stones you would recommend for use in following works :
 - (a) Road metal
 - (b) Railway ballast
 - (c) Building near by sea
 - (d) Decorative works
 - (e) Fire proof
 - (f) Roof coverings
 - (g) Water retaining
 - (h) Retaining walls. [8×2=16]
3. Write short notes on :
 - (a) Types of shakes
 - (b) Rind gall
 - (c) Upset
 - (d) Types of knots
 - (e) Cup - Bow - Twist. [4+2+2+5+3]
4. Describe in brief the special varieties of glass. [16]
5. (a) Differentiate between combined footing and strap footing?
(b) What do you understand by a 'shallow foundation'? Draw sketches to show various types of shallow foundations. [8+8]
6. (a) What is Stucco plastering? Describe the method of applying 'Stucco' on interior and exterior walls?
(b) How do you select the materials and sizes of forms for construction work? [10+6]
7. (a) What is meant by slaking of lime? Why it is necessary.
(b) Water to lime slaking & Lime to water slaking differentiate and explain the methods.

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- (c) Write classification of the hydraulic lime. [3+9+4]
8. (a) Explain the classification of stairs based on the materials of construction.
- (b) "Shell roofs are becoming more popular these days". Give reasons to support this statement. Draw sketches for the frame work of a North light shell roof and a multiple cylindrical shell roof. [8+8]

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R07**Set No. 1**

II B.Tech I Semester Examinations, November 2010
BUILDING MATERIALS AND CONSTRUCTION
Civil Engineering

Time: 3 hours**Max Marks: 80**

Answer any FIVE Questions
All Questions carry equal marks

1. (a) What is Stucco plastering? Describe the method of applying 'Stucco' on interior and exterior walls?
 (b) How do you select the materials and sizes of forms for construction work? [10+6]
2. (a) Explain the classification of stairs based on the materials of construction.
 (b) "Shell roofs are becoming more popular these days". Give reasons to support this statement. Draw sketches for the frame work of a North light shell roof and a multiple cylindrical shell roof. [8+8]
3. State with reasons, the stones you would recommend for use in following works :
 (a) Road metal
 (b) Railway ballast
 (c) Building near by sea
 (d) Decorative works
 (e) Fire proof
 (f) Roof coverings
 (g) Water retaining
 (h) Retaining walls. [8×2=16]
4. (a) Differentiate between combined footing and strap footing?
 (b) What do you understand by a 'shallow foundation'? Draw sketches to show various types of shallow foundations. [8+8]
5. Write short notes on :
 (a) Types of shakes
 (b) Rind gall
 (c) Upset
 (d) Types of knots
 (e) Cup - Bow - Twist. [4+2+2+5+3]
6. (a) What is meant by slaking of lime? Why it is necessary.

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Set No. 1

(b) Water to lime slaking & Lime to water slaking differentiate and explain the methods.

(c) Write classification of the hydraulic lime. [3+9+4]

7. Describe in brief the special varieties of glass. [16]

8. Compare stone Masonry with brick masonry. [16]

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R07**Set No. 3**

II B.Tech I Semester Examinations, November 2010
BUILDING MATERIALS AND CONSTRUCTION
Civil Engineering

Time: 3 hours**Max Marks: 80**

Answer any FIVE Questions
All Questions carry equal marks

1. (a) Differentiate between combined footing and strap footing?
 (b) What do you understand by a 'shallow foundation'? Draw sketches to show various types of shallow foundations. [8+8]
2. State with reasons, the stones you would recommend for use in following works :
 (a) Road metal
 (b) Railway ballast
 (c) Building near by sea
 (d) Decorative works
 (e) Fire proof
 (f) Roof coverings
 (g) Water retaining
 (h) Retaining walls. [8×2=16]
3. Compare stone Masonry with brick masonry. [16]
4. (a) What is meant by slaking of lime? Why it is necessary.
 (b) Water to lime slaking & Lime to water slaking differentiate and explain the methods.
 (c) Write classification of the hydraulic lime. [3+9+4]
5. (a) Explain the classification of stairs based on the materials of construction.
 (b) "Shell roofs are becoming more popular these days". Give reasons to support this statement. Draw sketches for the frame work of a North light shell roof and a multiple cylindrical shell roof. [8+8]
6. Write short notes on :
 (a) Types of shakes
 (b) Rind gall
 (c) Upset
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 (e) Cup - Bow - Twist. [4+2+2+5+3]

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7. (a) What is Stucco plastering? Describe the method of applying 'Stucco' on interior and exterior walls?
(b) How do you select the materials and sizes of forms for construction work?
[10+6]
8. Describe in brief the special varieties of glass. [16]

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