

Code No: 07A30102

R07**Set No. 2**

II B.Tech I Semester Examinations, MAY 2011
BUILDING MATERIALS AND CONSTRUCTION
Civil Engineering

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

Answer any FIVE Questions
All Questions carry equal marks

1. What are different types of arches that are used for engineering construction? Describe any three types in detail with sketches? [16]
2. (a) Explain the method of finishing, pointing in stone masonry construction?
 (b) What is a cavity wall and what are its advantages? [8+8]
3. Give brief description of the following :
 (a) Granite
 (b) Basalt
 (c) Lime stone
 (d) Marble. [4×4]
4. What are the constituents of ingredients of an oil paint? Describe in detail the role of each constituent in the painting process? [16]
5. Why foundation is necessary? Name the various types of foundations used for buildings and give brief description of each and their suitability. [16]
6. Explain the following defects in timber :
 (a) Due to conversion
 (b) Due to fungi
 (c) Due to insects
 (d) Due to seasoning. [4×4]
7. (a) Differentiate between :
 i. Common tiles and Encaustic tiles.
 ii. Floor tiles and roof tiles
 iii. Pan tiles and Pot tiles
 iv. Class 'A.A' and Class 'A' of Mangalore tiles
 (b) Draw the sketches of :
 i. Mangalore tiles.
 ii. Allahabad tiles.
 iii. Sailkot tiles.
 iv. pot and pan tiles. [8+8]

Code No: 07A30102

R07

Set No. 2

8. Write short notes on the following tests performed on cement:

- (a) Fineness test
- (b) Consistency test
- (c) Compressive strength test.

[4+6+6]

FIRSTRANKER

Code No: 07A30102

R07**Set No. 4**

II B.Tech I Semester Examinations, MAY 2011
BUILDING MATERIALS AND CONSTRUCTION
Civil Engineering

Time: 3 hours

Max Marks: 80

Answer any FIVE Questions
 All Questions carry equal marks

1. What are different types of arches that are used for engineering construction? Describe any three types in detail with sketches? [16]
2. Give brief description of the following :
 - (a) Granite
 - (b) Basalt
 - (c) Lime stone
 - (d) Marble. [4×4]
3. Write short notes on the following tests performed on cement:
 - (a) Fineness test
 - (b) Consistency test
 - (c) Compressive strength test. [4+6+6]
4. What are the constituents of ingredients of an oil paint? Describe in detail the role of each constituent in the painting process? [16]
5. Why foundation necessary? Name the various types of foundations used for buildings and give brief description of each and their suitability. [16]
6. (a) Differentiate between :
 - i. Common tiles and Encaustic tiles.
 - ii. Floor tiles and roof tiles
 - iii. Pan tiles and Pot tiles
 - iv. Class 'A.A' and Class 'A' of Mangalore tiles
 (b) Draw the sketches of :
 - i. Mangalore tiles.
 - ii. Allahabad tiles.
 - iii. Sailkot tiles.
 - iv. pot and pan tiles. [8+8]
7. (a) Explain the method of finishing, pointing in stone masonry construction?
 (b) What is a cavity wall and what are its advantages? [8+8]
8. Explain the following defects in timber :

Code No: 07A30102

R07

Set No. 4

- (a) Due to conversion
- (b) Due to fungi
- (c) Due to insects
- (d) Due to seasoning.

[4×4]

FIRSTRANKER

Code No: 07A30102

R07**Set No. 1**

II B.Tech I Semester Examinations, MAY 2011
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 method of finishing, pointing in stone masonry construction?
 (b) What is a cavity wall and what are its advantages? [8+8]
2. What are different types of arches that are used for engineering construction? Describe any three types in detail with sketches? [16]
3. (a) Differentiate between :
 - i. Common tiles and Encaustic tiles.
 - ii. Floor tiles and roof tiles
 - iii. Pan tiles and Pot tiles
 - iv. Class 'A.A' and Class 'A' of Mangalore tiles
 (b) Draw the sketches of :
 - i. Mangalore tiles.
 - ii. Allahabad tiles.
 - iii. Sailkot tiles.
 - iv. pot and pan tiles. [8+8]
4. Write short notes on the following tests performed on cement:
 - (a) Fineness test
 - (b) Consistency test
 - (c) Compressive strength test. [4+6+6]
5. What are the constituents of ingredients of an oil paint? Describe in detail the role of each constituent in the painting process? [16]
6. Why foundation necessary? Name the various types of foundations used for buildings and give brief description of each and their suitability. [16]
7. Explain the following defects in timber :
 - (a) Due to conversion
 - (b) Due to fungi
 - (c) Due to insects
 - (d) Due to seasoning. [4×4]
8. Give brief description of the following :

Code No: 07A30102

R07

Set No. 1

- (a) Granite
- (b) Basalt
- (c) Lime stone
- (d) Marble.

[4×4]

FIRSTRANKER

Code No: 07A30102

R07**Set No. 3**

II B.Tech I Semester Examinations, MAY 2011
BUILDING MATERIALS AND CONSTRUCTION
Civil Engineering

Time: 3 hours

Max Marks: 80

Answer any FIVE Questions
 All Questions carry equal marks

1. Why foundation necessary? Name the various types of foundations used for buildings and give brief description of each and their suitability. [16]
2. What are different types of arches that are used for engineering construction? Describe any three types in detail with sketches? [16]
3. (a) Explain the method of finishing, pointing in stone masonry construction?
 (b) What is a cavity wall and what are its advantages? [8+8]
4. What are the constituents of ingredients of an oil paint? Describe in detail the role of each constituent in the painting process? [16]
5. (a) Differentiate between :
 - i. Common tiles and Encaustic tiles.
 - ii. Floor tiles and roof tiles
 - iii. Pan tiles and Pot tiles
 - iv. Class 'A.A' and Class 'A' of Mangalore tiles
 (b) Draw the sketches of :
 - i. Mangalore tiles.
 - ii. Allahabad tiles.
 - iii. Sailkot tiles.
 - iv. pot and pan tiles. [8+8]
6. Explain the following defects in timber :
 - (a) Due to conversion
 - (b) Due to fungi
 - (c) Due to insects
 - (d) Due to seasoning. [4×4]
7. Write short notes on the following tests performed on cement:
 - (a) Fineness test
 - (b) Consistency test
 - (c) Compressive strength test. [4+6+6]
8. Give brief description of the following :

Code No: 07A30102

R07

Set No. 3

- (a) Granite
- (b) Basalt
- (c) Lime stone
- (d) Marble.

[4×4]

FIRSTRANKER