

## Unit 9 - Week 7

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## Assignment 7

The due date for submitting this assignment has passed.  
As per our records you have not submitted this assignment.

**Due on 2020-11-04, 23:59 IST.**

- 1) DPM stands for 1 point
- A. Damp Proof Material  
 B. Damp Proof Mix  
 C. Damp Proof Member  
 D. Damp Proof Membrane
- No, the answer is incorrect.  
Score: 0  
Accepted Answers:  
D. Damp Proof Membrane
- 2) Which of the below is an example of semi rigid DPC material? 1 point
- A. Plastic Sheeting  
 B. Cement Concrete  
 C. Asphalt  
 D. Stone
- No, the answer is incorrect.  
Score: 0  
Accepted Answers:  
C. Asphalt
- 3) For DPC at plinth level, which grade of concrete is used? 1 point
- A. M 10  
 B. M 15  
 C. M 25  
 D. M 20
- No, the answer is incorrect.  
Score: 0  
Accepted Answers:  
B. M 15
- 4) At roof slab level over the DPC, \_\_\_\_\_ are provided. 1 point
- A. PCC  
 B. Concrete  
 C. Tiles  
 D. Rubber Sheet
- No, the answer is incorrect.  
Score: 0  
Accepted Answers:  
C. Tiles
- 5) Surface resistance is the reciprocal of \_\_\_\_\_. 1 point
- A. Surface Coefficient  
 B. Surface Resistivity  
 C. Surface Conductance  
 D. Surface Conductivity
- No, the answer is incorrect.  
Score: 0  
Accepted Answers:  
A. Surface Coefficient
- 6) Which of the following is not a quality of a good thermal insulating material? 1 point
- A. It should be durable  
 B. It should have low thermal resistance  
 C. It should be readily available  
 D. It should be fireproof
- No, the answer is incorrect.  
Score: 0  
Accepted Answers:  
B. It should have low thermal resistance
- 7) Reflective insulation reduces heat transfer through 1 point
- A. Conduction  
 B. Radiation  
 C. Convection  
 D. Refraction
- No, the answer is incorrect.  
Score: 0  
Accepted Answers:  
B. Radiation
- 8) The percentage of Carbon present in Bitumen is 1 point
- A. 70%  
 B. 80%  
 C. 85%  
 D. 75%
- No, the answer is incorrect.  
Score: 0  
Accepted Answers:  
C. 85%
- 9) What percentage of dehydrated gypsum gives Plaster of Paris? 1 point
- A. 65  
 B. 75  
 C. 80  
 D. 90
- No, the answer is incorrect.  
Score: 0  
Accepted Answers:  
B. 75
- 10) The full form of GFRG panel is 1 point
- A. Gypsum Fibre Reinforced Glass  
 B. Gypsum Forged Rapid Glass  
 C. Glass Forged Rapid Gypsum  
 D. Glass Fibre Reinforced Gypsum
- No, the answer is incorrect.  
Score: 0  
Accepted Answers:  
D. Glass Fibre Reinforced Gypsum
- 11) Consider the following statements regarding the Matrix phase of Composites 2 points
- Statement 1: They are malleable and brittle.  
Statement 2: They are responsible for holding the reinforcements.  
Statement 3: They do not provide lateral support to the fibres but transfers the load.  
Statement 4: They occur in the form of fibre and sheets and are light in nature. The in-correct statements from the above are
- A. Statements 1,2.  
 B. Statements 2,4  
 C. Statements 2,3,4  
 D. Statements 1,3,4
- No, the answer is incorrect.  
Score: 0  
Accepted Answers:  
D. Statements 1,3,4
- 12) Match the following nano materials with their respective applications given below 2 points
- | Nano Materials                | Applications  |
|-------------------------------|---|
| P. Silica (SiO <sub>2</sub> ) | (i) Applied on steel to improve strength                            |
| Q. Molybdenum                 | (ii) applied in fumed form for making glass resistant to fire       |
| R. Copper Nanotubes           | (iii) applied in nano layer for enhancing strength in steel         |
|                               | (iv) applied in nano form for improvement of durability in concrete |
- The correct match from the set of options given below
- A. P-(iii), (iv); Q-(iii); R-(i);  
 B. P-(iv); Q-(i); (iii); R-(ii);  
 C. P-(iii); Q-(i); R-(ii), (iv);  
 D. P-(i); Q-(ii), (iv); R-(iii);
- No, the answer is incorrect.  
Score: 0  
Accepted Answers:  
A. P-(ii), (iv); Q-(ii); R-(i);
- 13) Match the following different forms of bitumen with their respective applications given below 2 points
- | Bitumen Forms    | Applications                             |
|------------------|--|
| P. Plastic Form  | (i) sprayed sealing in buildings         |
| Q. Cut back Form | (ii) Used for fillers in cracks in walls |
|                  | (iii) Gunting process                    |
| R. Blown Form    | (iv) Used for making Bitumen Felt.       |
- The correct match from the set of options given below
- A. P-(iv); Q-(iii); R-(i); (ii);  
 B. P-(i); Q-(iv); R-(ii); (iii);  
 C. P-(ii); (iii); Q-(i); R-(iv);  
 D. P-(i); Q-(ii); R-(iii); (iv);
- No, the answer is incorrect.  
Score: 0  
Accepted Answers:  
C. P-(ii), (iii); Q-(i); R-(iv);
- 14) Match the following thermal insulators with their respective day today applications 2 points
- | Protective Coatings        | Applications  |
|----------------------------|---|
| P. Polyurethane foam spray | (i) used in wall cavities.                              |
| Q. Fibre Glass             | (ii) Used for pipe insulation                           |
| R. Cellulose               | (iii) widely used for making paperboards and cardstocks |
|                            | (iv) used widely in bathtubs and swimming pools.        |
- The correct match from the set of options given below
- A. P-(iv); Q-(i); (iii); R-(ii);  
 B. P-(iii); Q-(ii); R-(i); (iv);  
 C. P-(ii); (iii); Q-(i); R-(iv);  
 D. P-(i); (ii); Q-(iv); R-(iii);
- No, the answer is incorrect.  
Score: 0  
Accepted Answers:  
D. P-(i), (ii); Q-(iv); R-(iii);
- 15) Match the following and select the correct combination. 2 points
- | Damp proofing Methods     | Applications/Requirements   |
|---------------------------|---|
| P. Membrane Damp Proofing | i. constructed specifically for basements that are exposed to damp conditions.              |
| Q. Integral Damp Proofing | ii. Soapy chemicals required to be mixed with concrete                                      |
| R. Cavity Walls           | iii. Lead sheets should be able to take any complex shape and must be completely impervious |
| S. Surface Treatment      | iv. Plastering exposed surface with sulphates of magnesium and zinc.                        |
|                           | v. Applied in water tanks and underground reservoirs  |
- A. P-i,ii; Q-iv; R-iii; S-v;  
 B. P-iii; Q-ii, v; R-i; S-iv;  
 C. P-v; Q-i; R-iv; S-ii, iii;  
 D. P-i; Q-iii; R-iv; S-ii;
- No, the answer is incorrect.  
Score: 0  
Accepted Answers:  
B. P-iii; Q-ii, v; R-i; S-iv;