

AU – 2539

Third Semester B. Arch. (CGS) Examination

APPLIED MATERIALS

Paper – 03 AR 01

(USC – 10019)

P. Pages : 2

Time : Three Hours]

[Max. Marks : 80

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- Note :** (1) All questions carry marks as indicated.
(2) Answer **Four** questions.
(3) Question no. **Five** and **Six** is compulsory.
(4) Due credit will be given to neatness and adequate dimensions.
(5) Assume suitable data wherever necessary.
(6) Illustrate your answer wherever necessary with the help of neat sketches.
(7) Use pen of Blue/Black ink/refill only for writing the answer book.

1. (a) What are the object of painting ? State the characteristics of an ideal paint. Suggest the finishing materials along with their application for interior surfaces of walls. 12
- (b) What do you know about "Cement paint" ? State its advantages and precaution to be taken to avoid defects of cement paint during its application. 8

OR

2. (a) Describe with neat sketches the natural and Artificial paving and cladding materials. Suggest different types of paving and cladding materials used for interior and exterior of Institutional building. 12
 - (b) Explain with neat sketches "Ply-wood" as a material for interior work. State its merits and demerits. 8
3. (a) Describe with neat sketches the various types of materials available in market for different types of partition. State its advantages and disadvantages also suggest an appropriate partition materials for Doctor's cabin. Justify your answer with neat sketches. 12
 - (b) Explain with neat sketches "Curtain wall". State its purpose and suggest the materials used for curtain wall construction. 8

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P.T.O.

OR

4. (a) What do you know about the term "False ceiling" ? Explain the methods of "False ceiling" by P. O. P. as a materials. State its merits and demerits. 12
- (b) Describe the polymer and polymer based materials for walls glues and mastic also state their advantages. 8
5. Describe with neat sketches any **Two** of the following :—
- (a) Various types of Furnishing materials for interior of building.
- (b) What do you know about the term acoustical materials ? Why they are provided Suggest the proper acoustical materials for broad casting studio. Give justification of your answer.
- (c) Explain :—
- (i) Oil paint,
- (ii) Polymer based materials for pipes and sanitary ware
- (d) Different types of metals and their use as a building as well as applied materials. 20
6. Explain with neat sketches any **Two** of the following :—
- (a) Polycarbonate and acrylic as building materials. State their properties advantages and disadvantages.
- (b) Describe with neat sketches along with their properties, the various types of false ceiling materials used in building industry.
- (c) Explain :
- (i) Anti-corrosive paint
- (ii) Veneers and Laminates
- (iii) White-washing.
- (d) P. V. C. as a building materials its properties advantages and disadvantages. 20

