



SIDDHARTH GROUP OF INSTITUTIONS :: PUTTUR
Siddharth Nagar, Narayanavanam Road – 517583

QUESTION BANK (DESCRIPTIVE)

Subject with Code : ECV(13A01605)

Course & Branch: B.Tech - CE

Year & Sem: IV-B.Tech & I-Sem

Regulation: R13

UNIT –I

Introduction & Specifications

1. List out various items of work in building.
2. Explain the following items of work in building
 - (a) Earth Work Excavation.
 - (b) Foundation concrete.
 - (c) Brick Masonry.
3. Explain the following items of work in building
 - a) Masonry
 - b) Lintel over openings
4. Explain the following items of work in building
 - a) R.C.C work
 - b) Flooring and Roofing
5. Explain the method of estimating.
6. Write detailed specifications for the following items:
 - (a) Earth work excavation in foundation.
 - (b) Foundation concrete.
 - (c) Mortars.
7. Enumerate detailed specifications for the following items:
 - (a) Random Rubble Masonry in Sub structures.
 - (b) Plastering of walls.
 - (c) Painting to wood works.
8. Explain detailed specification for the following items:
 - (a) Flooring with cement concrete.
 - (b) Pointing to the sub structure.
 - (c) Color Wash to the Walls.

9. Write detailed specifications for brick masonry and color washing
10. i) Write the definition of Estimating and costing.
 - ii) What is the need of Estimation?
 - iii) Write the units for Earthwork and Concrete in foundation
 - iv) Write the units for DPC and Plastering
 - v) Write the units for flooring and Brickwork

Prepared by: **R RAJESH KUMAR.**



SIDDHARTH GROUP OF INSTITUTIONS :: PUTTUR
Siddharth Nagar, Narayanavanam Road – 517583

QUESTION BANK (OBJECTIVE)

Subject with Code : ECV(13A01605)

Course & Branch: B.Tech - CE

Year & Sem: IV-B.Tech & I-Sem

Regulation: R13

I. INTRODUCTION & SPECIFICATIONS

II. ESTIMATION OF BUILDINGS

1. Pick up the excavation where measurements are made in square meters for payment. []

A) Ordinary cuttings up to 1 m	B) Surface dressing up to 15 cm depths
C) Surface excavation up to 30 cm depths	D) Both (B) and (C)
2. The order of booking dimensions is []

A) Length, breadth, height	B) Breadth, length, height
C) Height, breadth, length	D) none of these
3. Pick up the item of work not included in the plinth area estimate []

A) Wall thickness	B) Room area
C) Verandah area	D) Courtyard area.
4. The brick work is measured in sq. meter, in case of []

A) Honey comb brick work	B) Brick flat soling
C) Half brick walls or the partition	D) All the above
5. Brick walls are measured in sq. m if the thickness of the wall is []

A) 10 cm	B) 15 cm	C) 20 cm	D) None
----------	----------	----------	---------
6. In long and short wall method of estimation, the length of long wall is the center to center distance between the walls and []

A) Breadth of the wall	B) half breadth of wall on each side
C) One fourth breadth of wall on each side	D) None
7. The height of the sink of wash basin above floor level is kept []

A) 60 cm	B) 70 cm	C) 75 to 80 cm	D) 80 cm
----------	----------	----------------	----------
8. While preparing a detailed estimate []

A) Dimension should be measured correct to 0.01 m
B) Area should be measured correct to 0.01 sq.m
C) Volume should be measured correct to 0.01cum
D) All the above

9. The concrete work for the following part of the building of specified thickness is measured in square meters []
A) Floors B) D.P.C C) Wall panels D) All the above
10. The plinth area of a building not includes []
A) Area of the walls at the floor level B) area of stair cover
C) Lift and wall including landing D) area of cantilevered porch.
11. The item of the brick structure measured in sq.m, is []
A) Floors B) D.P.C C) Wall panels D) All the above
12. the most reliable estimate is []
A) Detailed estimate B) Preliminary estimate
C) Plinth area estimate D) none of these.
13. the most reliable estimate is []
A) Detailed estimate B) Preliminary estimate
C) Plinth area estimate D) none of these.
14. The main factor to be considered while preparing a detailed estimate, is []
A) Quantity of the materials B) Availability of material
C) Transportation of materials D) All the above.
15. The damp proof course (D.P.C.) is measured in []
A) sq.m B) cu.m C) meter D) All the above.
16. Earth work excavation is measured in []
A) sq.m B) cu.m C) meter D) All the above.
17. Lime concrete in foundation is measured in []
A) sq.m B) cu.m C) meter D) All the above.
18. Brick work in foundation is measured in []
A) sq.m B) cu.m C) meter D) All the above.
19. Brick work in super structure is measured in []
A) sq.m B) cu.m C) meter D) All the above.
20. Flooring is measured in []
A) sq.m B) cu.m C) meter D) All the above.
21. Plastering is measured in []
A) sq.m B) cu.m C) meter D) All the above.
22. Painting is measured in []
A) sq.m B) cu.m C) meter D) All the above.
23. The area is measured correct to the nearest []
A) 0.01sq.m B) 0.02sq.m C) 0.05sq.m D) All the above.

24. The volume is measured correct to the nearest []

- A) 0.01cu.m B) 0.02cu.m C) 0.05cu.m D) All the above.

25. Pick up the incorrect statement from the following: []

- A) Dimensions are measured to the nearest 0.01 m
 B) Areas are measured to the nearest 0.01 sq.m
 C) Cubic contents are measured to the nearest 0.1 cm m
 D) All the above.

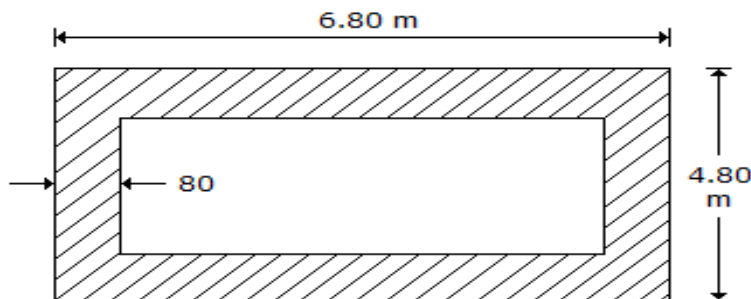
26. For the construction of buildings, the subheads of the estimate are []

- A) Earthwork, Concrete work, Brick work
 B) Brickwork Flooring, Wood work, Steel work
 C) Plastering or pointing, finishing, water supply and sanitary work
 D) All the above.

27. The 'center line method' is specially adopted for estimating []

- A) Circular buildings B) Hexagonal buildings
 C) Octagonal buildings D) All the above.

28. referring of given figure, pick up the correct statement from the following:



[]

- A) The total length of center line of four walls is 20 m
 B) Length of long wall out-to-out is 6.80 m
 C) Length of short walls in-to-in is 3.20 m D) All the above.

29. Pick up the incorrect statement from the following: []

- A) The built up covered area at the floor level of any story of a building is called plinth area
 B) The usable covered area of the rooms of any story of a building is called carpet area
 C) The carpet area of a building along with area of its kitchen, pantry, store, lavatory, bath room and glazed verandah, is called floor area Octagonal buildings
 D) None of these

30. Carpet area does not include the area of []

- A) The walls along with doors and other openings
 B) Verandah, corridor and passage
 C) Bath room and lavatory D) All the above.

31. Pick up the correct statement regarding the center line method of estimating []
- A) Product of the center line of the walls and area of cross-section of any item, gives total quantity of the item
- B) The center line is worked out separately for different sections of walls of a building
- C) The center line length is reduced by half the layer of main wall joining the partition wall
- D) All the above.
32. Pick up the correct statement from the following: []
- A) Pointing is measured in sq.m B) Plastering is measured in sq.m
- C) Glazing is measured in sq.m D) All the above.
33. The floor area includes the area of the balcony up to []
- A) 100% B) 200% C) 50% D) All the above.
34. According to Indian Standards Institute, the actual size of modular bricks is []
- A) 23 cm x 11.5 cm x 7.5 cm B) 25 cm x 13 cm x 7.5 cm
- C) 20 cm x 10 cm x 10 cm D) 19 cm x 9 cm x 9 cm
35. While estimating the quantities for the construction of a building, the correct metric unit is []
- A) Meter for length B) Cubic meter for area
- C) Square meters for volume D) Liter for capacity
36. The following item of earth work is not measured separately. []
- A) Setting out of works
- B) Site clearance
- C) Steps in deep excavation
- D) All the above.

Prepared by: **R RAJESH KUMAR**