



Department of Civil Engineering

CE 8401 – CONSTRUCTION TECHNIQUES AND PRACTICE

Unit I - MCQ Bank

1. Which of the following is not a type of load coming on the wall structures?

- a) Dead load
- b) Black load
- c) Live load
- d) Earthquake load

Answer : b

2. Which of the following reasons is not responsible for setting up stresses in a wall?

- a) Its own weight
- b) Weight of superimposed loads
- c) Cement
- d) Lateral pressure

Answer: c

3. Live loads and dead loads act in a horizontal direction.

- a) True
- b) False

Answer: b

4. In a masonry wall, the strength of the mortar should be _____ that of the masonry unit.

- a) Lesser than
- b) Greater than
- c) Equal to
- d) Greater than or equal to

Answer: a

5. Weak mortar has _____

- a) Only lime
- b) Only cement
- c) More cement and less lime
- d) More lime and less cement

Answer: d

6. A wall cannot be laterally supported at a horizontal level by _____

- a) Cross wall
- b) Pier
- c) Roof/Floor
- d) Buttress

Answer: c

7. _____ masonry gives high basic compressive stress.

- a) Rubble
- b) Stone
- c) Brick
- d) Ashlar

Answer: d

8. Coursed stone masonry has _____ joints while ashlar masonry has _____ joints.

- a) Thin, thin
- b) Thick, thick
- c) Thick, thin
- d) Thin, thick

Answer: c

9. Burnings sun, fixed seasons and rainfall which is heavy, moderate and with storm are the typical features of _____

- a) Cancer zone
- b) Capricorn zone
- c) Torrid zone
- d) Tropical zone

Answer: d

10. The tropical climate which consists of heat waves hot winds and low humidity comes under which climatic conditions?

- a) Hot-wet
- b) Hot-dry
- c) Cool-dry
- d) Rainy

Answer: b

11. Which city of Maharashtra experiences Hot-dry climatic conditions.

- a) Nagpur
- b) Hyderabad
- c) Mumbai
- d) Nashik

Answer: a

12. Which type of climate consists of high humidity throughout the year and even in the dry season with variations in day and night temperatures?

- a) Hot wet
- b) Hot dry
- c) Cool dry
- d) Rainy

Answer: a

13. The data regarding temperature, moisture, timings of sunset and sunrise and direction of wind are collected and preserved by _____

- a) Bureau of Indian Standards, New Delhi
- b) Meteorological Department of the Ministry of Commerce, Govt. of India
- c) Indian Institute of Weather Forecasting and Research Centre
- d) National Institute of Technology

Answer: b

14. Which building material have high Seismic resistance and flexibility of nailed joints.

- a) Bamboo
- b) Timber
- c) Ply
- d) Husk

Answer: b

15. Pyramids are the best example of _____

- a) Flood Resisting structure
- b) Dust storm Resisting structure
- c) Insulating structure
- d) Earthquake resisting structure

Answer: d

16. Which is the most important advanced technique of earthquake resistant design and construction?

- a) Flexible steel form
- b) Reinforced concrete
- c) Base Isolation
- d) Steel strengthening Treatment

Answer: c

17. The temperature at the _____ is the highest and it is lowest at the _____

- a) longitude, latitude
- b) poles, equator
- c) north, south
- d) equator, poles

Answer: d

18. As a principle of planning, the term _____ is used to mean architectural hygiene.

- a) Sanitation
- b) Drainage
- c) Water supply
- d) Waste water

Answer: a

19. The term _____ is used to refer the effect derived from space of a room that is its length, width and height.

- a) Prospect
- b) Sanitation
- c) Privacy
- d) Roominess

Answer: d

20. Due to improper ventilation, which gas gets stuck into house and develops dizziness to the occupants.

- a) Oxygen
- b) Nitrogen
- c) Carbon dioxide
- d) Hydrogen

Answer: c

21. The proper and sufficient ventilation results in absence of _____

- a) Condensation
- b) Deposition
- c) Precipitation
- d) Circulation

Answer: a

22. The _____ is required to control dust and other impurities in the air.

- a) Circulation
- b) Sanitation
- c) Ventilation
- d) Purification

Answer: c

23. Building automation demonstrates the need for _____

- a) Edge intelligence
- b) Sensors
- c) Control function
- d) Local operations

Answer: a

24. A commercial building may contain mainly _____ component.

- a) Memory
- b) Fog node
- c) Cloud nodes
- d) Sensors

Answer: d

25. Where people are working, there has to be _____ to cause proper ventilation of the premises.

- a) Air change
- b) Humidity
- c) Temperature
- d) Moisture

Answer: a

26. The rate of amount of water vapour present to the amount it would have contained, had it been saturated, is known as the _____ the temperature being same.

- a) Relative humidity
- b) Saturated air
- c) Dry bulb temperature
- d) Wet bulb temperature

Answer: a

27. The _____ plays an important role in the comfort of persons affected by ventilation system.

- a) Carbon monoxide
- b) Purity of air
- c) Volume of room
- d) Health of occupant

Answer: b

28. _____ is an index which combines the effect of air movement, humidity and temperature.

- a) Saturated air
- b) Effective humidity
- c) Dry bulb temperature
- d) Effective temperature

Answer: d

29. The value of _____ depends on type of activity, geographical conditions, age of occupants, etc.

- a) Saturated air
- b) Relative humidity
- c) Effective temperature
- d) Condensation

Answer: c

30. In _____ system, the use is made of doors, windows, ventilators and skylights to make the room properly ventilated.

- a) Artificial ventilation
- b) Air conditioning
- c) Natural ventilation
- d) Mechanical ventilation

Answer: c