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Time : 1½ Hours**CONSTRUCTION
(NSQF)****Subject Code**

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Total No. of Questions : 04 (Printed Pages : 8)**Maximum Marks : 40**

INSTRUCTIONS : (i) Answer each question on fresh page.

(ii) Write the question number and sub-question number clearly.

(iii) All questions are compulsory.

(iv) Figures to the right indicate full marks.

1. (A) Select and write the most appropriate alternative given below each statement and rewrite complete statement : $\frac{1}{2} \times 6 = 3$

(1) The brick laid with its length parallel to the face of the wall is termed as

- Closer
- Arises
- Stretcher
- Lap

(2) Tool used to cut the brick accurately is

- Bolster
- Ruler
- Chisel
- Spade

- (3) A temporary rigid structure built around the periphery of the building for repair or renovation work is called
- Sharing
 - Scaffolding
 - Jacking
 - Underpinning
- (4) The type of masonry in which no Mortar is used to fill the joints is
- Polygonal Rubble Masonry
 - Flint Rubble Masonry
 - Random Rubble Masonry
 - Dry Rubble Masonry
- (5) In self-management, we can use method to set our goals.
- BEST
 - SMART
 - FIRST
 - CLASS
- (6) Which of the following is an example of strength with respect to self-management ?
- Creativity
 - Frustration
 - Depression
 - Anger.

(B) Answer the following questions : 2×2=4

(a) Explain the joints in stone masonry

(i) Butt Joint

(ii) Plugged Joint.

(b) Mention the reasons for wetting the bricks before laying in walls. (give 4 points).

(C) Attempt the following questions given below : 1×3=3

(i) Write any *two* properties of flooring tiles.

(ii) Mention any *two* uses of Granite.

(iii) Write two ways to protect the data from theft and virus in computer system.

2. (A) (1) Compare the co-ordination in first pair and complete the second pair. 1

(i) Tile cutter : Straight or diagonal cut patterns on tiles.

Tile Mortar Mixer :

(ii) Terracotta tiles : Made up of well burnt clay

Mosaic tiles :

(2) Give single term for the following definitions : 1

(i) The means by which information is sent in communication.

(ii) In scaffolding, component responsible for fall protection.

- (3) Match the following items in column A with correct item in column B and write the correct pair : 1

Column A

Column B

- | | |
|-----------------|--------------------------------|
| (i) Chisel | (a) Racking of joint material. |
| (ii) Mortar Pan | (b) Break and pull the stones |
| | (c) Handle and convey material |
| | (d) Cut and dress the stone. |

- (B) Answer the following questions : 4

- (a) Explain the terms used in brick masonry :

- (i) Tothing
- (ii) Racking back.

- (b) State the criteria for selection of stones used in stone masonry.
(give *four* points)

- (C) Answer the following in one line each : 1×3=3

- (i) Write the function of grout float in floor work.
- (ii) Write the uses of “flagstone”.
- (iii) Mention the importance of floor and wall tiles in building construction.

3. (A) Select and write the most appropriate alternative given below each statement and rewrite the complete statement : $\frac{1}{2} \times 6 = 3$

(1) Which of the following is a “Finishing Tool” ?

- Hacking Tool
- Crowbar
- Metal Float
- Mason Square

(2) In scaffolding are the compression members provided as temporary support for adjustment and fixing of length.

- Washer
- Props
- Brace
- Coupler

(3) The horizontal layer of brick is termed as

- Course
- Joint
- Bed
- Header

(4) In stone masonry, occurrence of white patches on the surface of wall due to presence of salts is termed as

- blistering
- polishing
- cracking
- efflorescence

(5) Which of the following is a stress management technique ?

- Fight
- Argument
- Headache
- Meditation

(6) is the ability that drives you to achieve goals without any external pressure.

- Self-motivation
- Self-regulation
- Self-respect
- Self-awareness.

(B) Answer the following questions :

2×2=4

(a) Mention the qualities of successful Entrepreneur. (any *four* points)

(b) How can we achieve sustainable development. (state *four* points)

(C) Define : 1×3=3

- (i) English Bond
- (ii) Bed joint
- (iii) Visual communication

4. (A) (1) State whether True or False : 1

- (i) Putlog is a load bearing component in scaffolding.
- (ii) Coupler is a device used for locking together the components of scaffolding.

(2) Give single term for the following definition : 1

- (i) The receivers response to the message in communication.
- (ii) The type of scaffolding in which standard are supported on series of needles taken out through holes in walls.

(3) Match the following items in column A with correct items in column B and write the correct pair : 1

Column 'A'

Column 'B'

- | | |
|------------------------|---------------|
| (i) Hardware component | (a) Paste |
| (ii) Ctrl + V | (b) Print |
| | (c) Antivirus |
| | (d) Keyboard |

(B) Answer the following questions :

2×2=4

(1) Explain the technical terms used in stone masonry :

(a) Coping

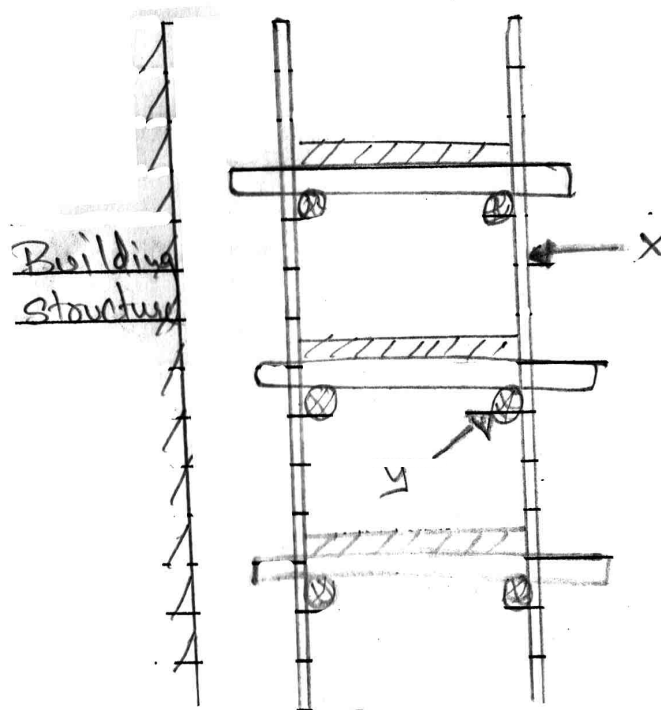
(b) Through Stone

(2) Draw and write uses of each tool :

(a) Scratcher

(b) Spirit level.

(C) Answer the following questions from the figure given below : 1×3=3



(i) Name the type of scaffolding.

(ii) Identify and define point 'X' mark on fig.

(iii) Identify and define point 'Y' mark on fig.