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

Subject Code

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Total No. of Questions : 4

(Printed Pages : 8)

Maximum Marks : 40

INSTRUCTIONS : (i) Answer each question on a 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 the complete statement : $\frac{1}{2} \times 6 = 3$

(1) Chisels are used to the stones.

- Break
- Dress
- Join
- Lift

(2) The course of brick work in which all the bricks are laid as headers is called

- Header course
- Stretcher course
- English bond
- Flemish bond

(3) 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

(4) Straight body posture shows

- Stress
- Weakness
- Confidence
- Happiness

(5) Tool used to cut the brick accurately is

- Bolster
- Ruler
- Trowel
- Spade

(6) Defects due to frost action causes

- Cracking in the brick work
- Tightening of the brick work
- Hardening of the brick work
- Shrinking of the brick work

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

(7) Define the technical terms used in stone masonry :

(i) Sill

(ii) Coping.

(8) Why bricks are soaked in water before using in construction work ? (Give *four* points.)

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

(9) What do you mean by Tothing in brick masonry ?

(10) Differentiate between Ashlar Masonry and Rubble Masonry.
(Any *two* points.)

(11) What is Scaffolding ?

2. (A) Compare the co-ordination in first pair and complete the second pair : $\frac{1}{2} \times 2 = 1$

(12) The part of computer which cannot be seen but makes : Software
Physical part of computer which we can see and touch :

(13) CTRL + Z : Undo
CTRL + C :

(B) Give single term for the following definitions : $\frac{1}{2} \times 2 = 1$

(14) The component responsible for fall protection in scaffolding.

(15) Barrier is when people of different cultures are unable to understand each others customs.

- (16) Match the following items in Column A with correct item in Column B and write the correct pair : $\frac{1}{2} \times 2 = 1$

Column A

Column B

- | | |
|-----------------|--------------------------------|
| (i) Trowel | (a) Cut and dress stones |
| (ii) Mortar Pan | (b) Lift and spread mortar |
| | (c) Handle and convey material |
| | (d) Racking of joint material |

- (C) Answer the following questions : $2 \times 2 = 4$

- (17) Define technical terms used in Brick Masonry :

- (i) Lap
- (ii) Bed Joints.

- (18) How is the maintenance of stone masonry in construction carried out ? (Give *four* points.)

- (D) Answer the following questions given below : $1 \times 3 = 3$

- (19) Explain the Butt Joint used in stone masonry.

- (20) What is Misconception in Entrepreneur skills ?

- (21) How can we achieve Sustainable Development ? (Give *two* points.)

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

(22) Trowel is an important tool used for

- Brick Masonry
- Measurement of item
- Breaking the stone
- Measurement of distance

(23) In Stone Masonry, occurrence of white patches on the surface of wall due to presence of salt is termed as

- Blistering
- Polishing
- Cracking
- Efflorescence

(24) Plumb rule and bob is used for checking the of the faces of brick work.

- Horizontality
- Verticallity
- Measurement
- Weight

(25) The horizontal layer of brick is termed as

- Course
- Joint
- Bed
- Header

(26) is the final step in communication cycle.

- Decoding
- Feedback
- Receiving
- Encoding

(27) is the right angle steel piece, which is used to check the right angle of the walls, columns etc.

- Spirit level
- Masons Square
- Mash hammer
- Chisel

(B) Answer the following questions :

2×2=4

(28) State the uses of Grout Float in floor work. (Any *four* points.)

(29) Write any *four* propertise of flooring tiles.

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

(30) Define Metal Float.

(31) What do you mean by Sustainable Development ?

(32) Mention any *two* qualities of a Successful Entrepreneur.

4. (A) State whether True *or* False : $\frac{1}{2} \times 2 = 1$

(33) Coupler is a device used for locking together the component of scaffolding.

(34) Single scaffolding is generally used for Brick Masonry.

(B) Give single term for the following definitions : $\frac{1}{2} \times 2 = 1$

(35) The type of scaffolding in which standards are supported on series of needles taken out through holes in walls.

(36) The receiver's acknowledgment and response to the message.

(37) Match the following items in Column A with correct item in Column B and write the correct pair : $\frac{1}{2} \times 2 = 1$

Column A

(i) Keyboard

(ii) Anti-virus

Column B

(a) Operating System

(b) Input Device

(c) Output Device

(d) Detects and prevents virus from entering

(C) Answer the following questions :

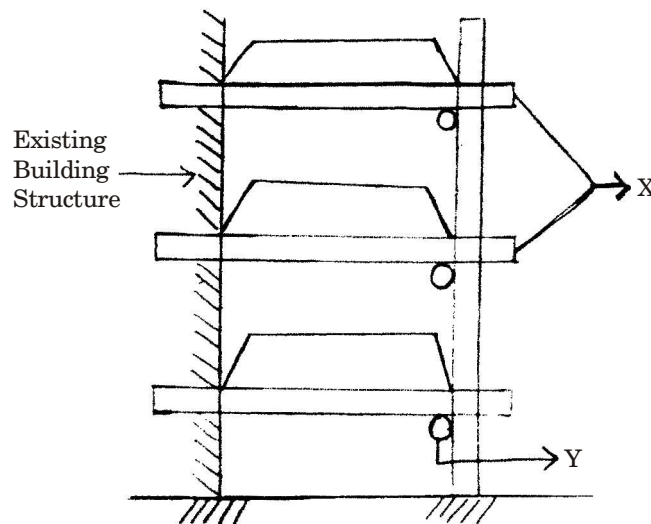
2×2=4

(38) Write down any *four* Stress Management Techniques.

(39) What is the importance of floor and wall tiles in building construction ? (Any *four* points.)

(D) Attempt the following questions below :

1×3=3



(40) Name the type of Scaffolding.

(41) Identify and define point 'X' marked on the figure.

(42) Identify and define point 'Y' marked on the figure.