

Model Question Paper Year 2025-26

Class : XII **Subject:** Construction
Time : 2 Hrs. 30 Minutes

Max. Marks: 60

Name of the Student : _____

Roll No: _____

General Instructions:

1. Please read the instructions carefully.
2. Marks allotted are mentioned against each section/question.
3. All questions must be attempted in the correct order.
4. This Question Paper consists of **34 questions** in **four sections – Section A, Section B, Section C & Section D.**
5. **Section A** has **Objective Answer Type Questions**
Section B contains **Very Short Answer Type Questions**
Section C contains **Short Answer Type Questions**
Section D contains **Essay Type Questions**
6. Out of the given 34 questions, a candidate has to answer **30 questions** in the allotted time of **150 minutes.**
7. All questions of a particular section must be attempted in the correct order.

SECTION A – OBJECTIVE TYPE QUESTIONS (15 Marks)

Answer the following questions (1×15 = 15 marks)

1. Which tool is commonly used to create various joint profiles in pointing work?
d) Chisel c) Pointing Iron/Tool b) Hammer a) Screw driver[1]
2. What is the maximum time allowed for consuming mortar after adding water?
d) 2 hours c) 1 hour b) 30 minutes a) 15 minutes[1]
3. What does IPS in IPS flooring stand for?
b) Indian Patent Stone a) Indian Polished Stone
d) International Paving Standard c) Integrated Pavement System[1]
4. Tremix flooring is primarily defined as:
b) Vacuum Dewatered Flooring a) High-strength concrete
d) Abrasion-resistant flooring c) Industrial flooring[1]
5. Which type of masonry uses undressed or roughly dressed stones with irregular joints?
d) Concrete Block Masonry c) Rubble Masonry b) Brick Masonry a) Ashlar Masonry[1]
6. Laterite is a metamorphic rock that contains a high percentage of:
d) Mica c) Iron oxide b) Carbonate of lime a) Silica[1]
7. _____ is used to lift and spread mortar to form the joints.[1]
8. _____ is used to cut the bricks accurately.[1]
9. _____ machines are used for rubbing and smoothing the surface area.[1]
10. Why is flush pointing considered more durable?[1]
11. Which class of fire involves ordinary combustibles like wood, paper, and cloth?[1]
12. What is the primary purpose of a safety helmet as a PPE?[1]

13. **Assertion (A):** In stone masonry, stones are dressed to achieve regular size and shape.
Reason (R): Stones are naturally irregular; dressing tools are used to shape them.
Options:
A. Both A and R are true, and R is the correct explanation of A.
B. Both A and R are true, but R is not the correct explanation of A.
C. A is true, but R is false.
D. A is false, but R is true.[1]
14. **Assertion (A):** SOPs in plumbing work ensure safety and efficiency.
Reason (R): SOPs guide handling hazardous materials and proper installations.
Options: A, B, C, D[1]
15. **Assertion (A):** Emergency safety control measures are crucial on construction sites.
Reason (R): Unforeseen incidents can occur at construction sites.
Options: A, B, C, D[1]

SECTION B – VERY SHORT ANSWER TYPE QUESTIONS (12 Marks)

Answer any 6 out of 8 questions in 20–30 words each
(2 × 6 = 12 marks)

16. What is the primary function of a trowel in masonry work?[2]
17. What is rubble masonry?[2]
18. Enlist the tools used in stone masonry work.[2]
19. What does IPS stand for in the context of flooring?[2]
20. What is an important consideration when unloading bricks from a truck?[2]
21. What is the primary purpose of PPE in the workplace?[2]
22. What is the primary purpose of conducting safety drills for employees?[2]
23. What is the purpose of a square in masonry?[2]

SECTION C – SHORT ANSWER TYPE QUESTIONS (18 Marks)

Answer any 6 out of 8 questions in 30–50 words each
(3 × 6 = 18 marks)

24. Describe the different types of PPE used in the workplace.[3]
 25. Enlist the tools used in pointing work with sketch.[3]
 26. Write the procedure of mixing cement mortar (1:3) for pointing work.[3]
 27. Write down the reporting procedure in case of an accident.[3]
 28. What is the role of mortar in brick masonry?[3]
 29. What are key properties of stone for masonry?[3]
 30. List types of hazards on a construction site.[3]
 31. Briefly describe the first aid process.[3]
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SECTION D – ESSAY TYPE QUESTIONS (15 Marks)

**Answer the following questions in 50–80 words each
(3 × 5 = 15 marks)**

32. What are the emergency safety control measures & actions to be taken under emergency situations?[5]
33. What are the tools used in dressing of masonry work and write their uses.[5]
34. What is the use of a vacuum dewatering pump and screen vibrator?[5]