TEST 2

DIR	ECTIONS:	several su one that B statement.	ion or inco aggested ans EST answers PRINT THE AT THE RIGH	wers or com the questi LETTER OF	pletions. on or comp	Select the	ıe
1.		up a set o	ollowing is f specifica				1
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2,	in a confollow v	ntract for would be to		n, the BEST	procedure	to	2
ē	B. ins C. hav ver D. all	sert a spec ve a repres rify condit	rtain pe <mark>rce</mark>	in the cont the job at	ract speci all times	fications to	
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4.	specific submit f A. set B. a s C. a d use D. a c	cations, the for approvalue of shop of shop of shop of the following the	drawings sed specific scription of st of skille	cations the method	y required	to be	4
5.	within 2 If the p	% of the paile length be out of	piles state ile length. is 30 feet, plumb is, i	the MAXIM	JM amount	that the	5
6.	concrete	to equal to oncrete is	that it wil the 28-day s most nearly 3	trength of	n early str normal por	ctland	6.

7.	Specifications may state that a standpipe system will be provided in each building. The MAIN purpose of a standpipe system is to A. supply the roof water tank B. provide water for firefighting C. circulate water for the heating system D. provide adequate pressure for the water supply	7
8.	The drawing which should be used as a legal reference when checking completed construction work is the drawing. A. contract B. assembly C. working or shop D. preliminary	8
9,	Efflorescence may BEST be removed from brickwork by washing with a solution ofacid. A. muriatic B. citric C. carbonic D. nitric	9
10.	The MAIN difference between sheet glass and plate glass is A. the surface finish of the two types of glass B. the heat absorbing qualities of the two types of glass C. plate glass is thinner than sheet glass D. plate glass is tempered while sheet glass is not tempered	10
11.	Construction joints in the concrete columns of a multi- story building are usually located A. at floor level B. 1 foot above floor level C. at the underside of floor slab D. at the underside of deepest beam framing into the columns	11
12.	A contractor on a large construction project usually receives partial payments based on A. estimates of completed work B. actual cost of materials delivered and work completed C. estimates of material delivered and not paid for by the contractor D. the breakdown estimate submitted after the contract was signed and prorated over the estimated duration of the contract	12
13.	According to the building code, masonry footings shall extend at least 4' below finished grade. The PRIMARY reason for this is to A. get below the frost line B. make the foundation stronger C. keep water out of the basement D. reach a lower soil strata where better bearing material can be found	13
14.	GOOD inspection methods require that the inspector A. be observant and check all details B. constantly check with the engineer who designed the school C. apply specifications according to his interpretation D. permit slight job variation to establish good public relations	14

Questions 15-19.

Questions 15 through 19 refer to the following specifi-DIRECTIONS: cation for wood flooring. In answering these questions, refer to this specification. $2"\ x\ 4"$ wood sleepers laid flat @ 16" o.c. 1" x 6" sub flooring, laid diagonally; cut at butt joints with parallel cuts; joints at center of sleepers, well staggered, no two joints side by side. Not less than 1/8" space between boards. One layer of 15# asphalt felt on top of sub-floor. Finish floor - North Rock Maple, T & G, laid perpendicular to sleepers; 8d nails not more than 12" apart; end joints well scattered with at least 2 flooring strips between

	Flooring 25/32" x 2\frac{1}{4}" face - 1st quality.	
15.	It is most likely that the floor referred to in the specification is to be laid A. directly on the ground B. on a concrete base C. on wood joists D. on steel beams	15
16.	The BEST reason for specifying that the sub-flooring be parallel cut at butt joints is that this A. requires less material B. provides staggered joints C. provides more nailing surface D. allows the joint to fall between sleepers	16
17.	The BEST reason for specifying a minimum space between the sub-floor boards is that it A. saves on material C. allows for expansion D. prevents dry rot	17
18.	The BEST reason for specifying at least 2 flooring strips between joints in the finish flooring is that A. it looks better B. it is more economical C. each board is supported by two adjoining boards D. each finish board is supported by at least two subfloor boards	18
19.	The BEST reason for placing asphalt felt on top of the sub-floor is to A. deaden noise C. reduce dampness B. preserve the wood D. permit movement	19
20.	Assume you are recommending in a report to your superior that a radical change in a standard maintenance procedure should be adopted. Of the following, the MOST important information to be	20

included in this report is

- A. a list of the reasons for making this change
- B. the names of the other GSSM who favor the change
- C. a complete description of the present procedure
- D. amount of training time needed for the new procedure

- 21. Specifications require that the first floor beams of a building must be in place before backfill is placed against the foundation walls. The BEST reason for this requirement is that A. without the first floor beams in place, the wall may become overstressed B. it is easier to inspect the first floor construction when the backfill is not in place C. the utilities up to the first floor level should be in place before backfill is placed D. the boiler setting hung from the first floor must be in place before backfill is placed 22. The frequency with which job reports are submitted should 22. depend MAINLY on A. how comprehensive the report has to be B. the amount of information in the report C. the availability of an experienced man to write the report D. the importance of changes in the information included in the report 23. Assume that a contractor proposed to start the roofing 23._ three days after pouring the concrete roof slab. This proposal is A. good, mainly since it will speed the construction B. good, mainly since it will assist in curing the concrete C. poor in cold weather but is all right in warm weather D. poor, mainly since excess water in the concrete may bulge the roofing 24._ 24. In performing field inspectional work, an inspector is the contact man between the public and the board, and it is his job to secure compliance through the maximum utilization of persuasion and education and the minimum application of coercion. According to the above statement, an inspector performing inspectional duties SHOULD A. seek to obtain voluntary compliance and use coercion only as a last resort B. be conciliatory on all issues of non-compliance and not take an attitude of firmness and authority C. maintain a strictly impersonal attitude in the exercise of his duties at all times D. use the threat of legal action to secure conformance with specified requirements
- wet before using.
 Of the following, the BEST reason for this requirement is that
 A. wetting the brick uncovers hidden flaws
 B. it is easier to shove wet brick into place
 C. wetting cleans the pores of the brick ensuring a stronger bond
 D. wetting decreases absorption of water from the mortar

A specification requires that brick should be thoroughly

25.__

KEY (CORRECT ANSWERS)

1. A 2. C

3. A 4. A

5. C

6. C

7. B 8. A

9. A 10. A

11. A 12. A 13. A

14. A 15. B

16. C

17. C 18. C 19. C

20. A

21. A

22. D 23. D

24. A

25. D