

Public Works (1899) Department.

G.O., No.

2437 W

DATED 15 September 1899.

[Despatch Abstract.]

Messrs C.T. Mullins & R. L. Formby,

Asst Engrs 3rd Grade.

Declaring — to have passed
the professional examination
prescribed in the P.W. Code rules.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

that Mr. Mullings & Mr. Form,
he declared to have passed
the —

023418 R15/4 H623/5 R12/4

BACK PAPERS.

No.	Date.
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Assistant Engineers, 3rd grade,
for the professional examination
prescribed in paras 23 to 25, Chap II,
Vol I of the P. W. Code. The Committee
recommend that Messrs Mullings
& Formby be declared to have
passed, & this recommendation
may be accepted.

Paul
2/8

FURTHER PAPERS.

No.	Date.
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24

20. 2. 11

To
The Examiners, P.W. Accts.
(as a Notifn. for publi-
-cation in the Gazette)

3225C	21-7-99
3222C	21-7-99
2149W	12-8-99

Cent are 16
Marbles

15 Family

T.O	1.0
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1.0	0.9
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1.0.	1.0
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1.0	1.0
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1.0	0.5
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Accounts.

1. The various parts of a work are carried out in different ways.

- (1) By daily labour
- (2) By Piecework
- (3) By Contract
- (4) By petty contract for stores.

State the basis of account in each case.

2. What are the most important rules about measurement laid down in the Code.

3. How would you note in your Cash Book an advance made to a subordinate for paying laborers at a distance.

4. Explain the procedure you would adopt in the following cases.

(a) An acquittances roll is sent to you together with a cheque in payment of salary.

(h.) An acquittance roll is sent to you together with a covering letter ordering you to draw the cheque yourself.

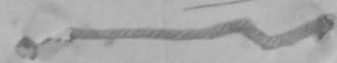
5. How are recoveries of advances from Bills entered in the Cash book.

	HS Mullins	HS Family	HS Mullins	HS Family
6. At the end of a month what constitute the total Cash balance and a total treasury balance with a Sub Divisional Officer.	1.0	1.0	1.0	1.0
7. What is a Survey report.	1.0	1.0	1.0	1.0
8. Describe the procedure to be adopted in transfer of a Sub Division from one office to another.	1.0	1.0	1.0	1.0
9. A masonry work estimated at 5300 is being carried out Departmentally a payment is made for labour "on concrete in chunam foundations". In what Sub Division accounts with this payment appear.	1.0	1.0	1.0	1.0
10. What is a Work Abstract	1.0	1.0	1.0	1.0
Imprest	1.0	1.0	1.0	1.0
Hand Receipt form	1.0	1.0	1.0	1.0
11. What is the difference between Contract and piece work.	1.0	1.0	1.0	1.0
12. What are a Sub Divisional officers initial accounts.	1.0	1.0	1.0	1.0
13. What is the rule regarding taking measurements in note books.	1.0	1.0	1.0	1.0

14. What is the rule regarding the disposal of miscellaneous receipts and the utilization of these for current expenditure.
15. How should a bill received for payment in a sub Division office be checked before passing for payment.
16. What is the rule with regard to the duties of an officer finding Government property left without due protection due to death or departure of the person in charge.
17. What are the orders in force regarding the periodical examination of buildings in charge of the P.W.D. by the Executive Engineers or Sub Division officers.
18. What essential entries should you check in a bill for materials before passing the same for payment.

Result
 HS Mullins 90 percent
 HS Family 82 percent

Centare A
 weaves
 12th June 1870



.5 .6

.6 .5

1.0

1.0

.8

1.0

.5

.6

General Practice.

1. Mention the items you would enter in a Piece Work Agreement for repairs to a Flood Bank in black cotton or alluvial soil.
2. In measuring up the following materials and work what deductions if any would you make and why?
 - (1) Broken stone for concrete
 - (2) Rough stone for revetment
 - (3) Plastering
3. Give a sketch of section of best terraced roofing with dimensions.
4. Write out a specification for Dry Stone revetment.
5. In a certain village there are two irrigation tanks A and B connected by a short channel. The F.T.L. of A is one foot higher than that of B. It is proposed to convert them into a single tank with the F.T.L. of A. On what points would you ask an Owner to report so as to settle the question - The surplus works of each tank are adequate.

	25 Mullings	25 Forming	25 Mullings	15 Forming
6. How would you proceed to ascertain the extent of the Catchment area and the approximate capacity of a small tank, the only maps with which you are provided being any village maps that you may require.	1.0	0.3	.4	.6
7. What is meant by the term "duty" as applied to				
(a) The catchment basin of a tank	1.0	0.5		
(b) The water of an irrigation channel	0.1		.6	1.0
8. Give the initial rates for the following items of work.				
(1) Concrete (Bavada stone) in ordinary mortar				
(2) Teakwork (Scanthings) wrought and put up.	1.0	0.7		
(3) Facing revetment (about 1½ ft. thick) of rough stone.			0.5	0.5
9. A slight slip occurs in the bund of a tank due to the porous nature of the soil on which it rests. What method of rectification would you suggest to be carried out during the dry season to prevent recurrence. The tank is not a very large one.	.8	.8		
10. What proportions of lime, sand, surki is in ordinary use for mortar in small works the lime being Kunkur lime.	1.0	1.0	.8	.8
(1) Surki mortar				
(2) Ordinary mortar				

11. (a) What is approximately the weight of an ordinary country tiled roof covering flat and pan tiles. What pitch would you give to a roof of this nature.
- (b) What weight and what pitch is recommended for Mangalore Tiled Roof.
12. Draft specification for earthwork to be done in closing a breach in a tank bund.
13. A canal bed width 30 ft. F. S. Depth 5 ft is altogether in cutting and in ordinary earth - The F. S. L. is about 10 ft below ground surface. Draw a suitable section showing the cutting and spoil banks and frame a rate for earthwork.
14. In the above channel the sides begin to slip owing to springs. How would you deal with them.
15. Specify quantities of material required, for one unit of the following classes of work.
- Concrete in surki mortar
- Plastering in chunam 2 coats.

Country Tiled Roof (flat and span)
including rafters.

16. Give initial rates for

Brick archwork (flat)

Flooring { Cuddalore slabs
Beverly stone

.3 .6

over 4" concrete.

Rough Stone (random rubble) in chunam.

17. Draft a short Specification

for rough rubble (either coursed

.8 .8

or random) in lime mortar

for walls of a dwelling not

exceeding 2 ft. thick.

Result.

W. Muller 74 per cent

W. Dumbley 66.4 per cent.

The Committee are of opinion that both officers
have shown a sufficient knowledge to ~~qualify~~ ^{be} them
for promotion -

In the case of W. Dumbley the Committee have ~~been~~ ^{been} caused
the fact that this officer has had little opportunity of
acquiring practical experience of tank works and thus
has somewhat handicapped him in replying to the
professional questions.

The Committee recommend that both W. Muller & W. Dumbley
be considered to be passed.

W. Dumbley M. S. Capt. R. President

M. S. E. in Circle
W. Dumbley Esq.

M. R. Khargat

5 August 1899

W. Muller W. Dumbley

Superintending Engineer's Office, II Circle,

BEZWADA, 7th August 1899.

No. 382 W

From

Captain W. M. Ellis R.E.

SUPERINTENDING ENGINEER,

II CIRCLE,

To

THE Chief Engineer
Public Works Department.

SIR,

Enclosures.

1 list of questions.

Your Nos. 3222 C and 3225 C with 606 S
21-7-99 21-7-99 26/8/99

I forward herewith a list of questions
put to candidates for examination by the
Committee concerned under your orders with
a recommendation.

The Committee assembled and held
the examination on the 3rd Instant
at Bezwada and consisted of
myself as President and
Mr. J. S. Wilson Executive Engineer and
Mr. M. R. Khargat Assistant Engineer
as members.

The latter officer was nominated in place
of Mr. S. A. Subrahmanyam ^{Exec. Engineer} ~~Esq.~~
who was first-nominated but who was
detained at Masulipatam in connection
with an action at law in which Government

is a party.

2. The percentage of marks awarded for the answers to the questions is noted opposite the questions for your information. The results show that for questions in general professional practice Mr. Mullings made 74 per cent and Mr. Formby 66.4 per cent. For the questions on the D. W. Code and Accounts Mr. Mullings made 90 per cent and Mr. Formby 82 per cent.
3. I recommend that both the officers be passed.

I have the honor to be,
Sir,

Your most obedient servant

W. L. M. Captain R. E.
Superintending Engineer,
II Circle.

5.12
68
99

M. R. Kharega