

UNIVERSITY OF JAMMU

NOTIFICATION

In supersession to earlier notification issued vide No. Estab./C&R-NTW/18/252-56 dated 01.01.2019, the syllabi for the position of Works Supervisor (Works Deptt.) is hereby notified for the conduct of Entrance/Screening Test:

No. of Question:100

Marks: - 100

Times:2.00 Hrs

1.	Building Construction:-	60 Marks
A	Types of Buildings both load bearing & framed structures	
B	Foundations: Types of foundations & their suitability, causes of failure of foundation.	
C	Brick Work: Characteristic of Good Brick, Types of Bonds in Brick Work, Standard size of Brick and Brick tiles.	
D	Concrete: Ingredients of cement concrete, Type of mixes of concrete, Water-cement ratio, Necessary tests on cement concrete. Cement: Types of cement Coarse Aggregate-size of aggregates and their Grading Fine Aggregate (Sand): Types in terms of Grading	
E	Cement plaster: Common mixes of plaster used with proportion, tools used necessity of screed & water fixing	
F	Wood Work: Common type of wood used in Jammu region for frames/chowkats for doors and windows, Types of shutter – Panelled, Glazed, flush doors, Methods of fixing doors & Windows, Hold-fast & dowels, purpose & method of fitting.	
G	Types of Roofing in Jammu Province: Flat, Pitched and material used.	
H	Types of finishing: Painting, polishing, white washing, interior and exterior finishing	
I	Flooring: Type and suggested flooring for different types of buildings such as Marble, Granite, vitrified tile. cement concrete, brick flooring.	
2.	Importance of Surveying in Civil Engineering:-	20 Marks
A	Levelling: Definition of terms such as level surface, level line, horizontal line, datum surface. Terms used in levelling, foresight, intermediate sight, back sight, change point, height of collimation.	
B	Contouring: Definition of Contour, characteristics of contour & use of contour map.	
3.	Estimation: Calculating quantities of earth work in buildings and roadwork, cement concrete in foundation, brick work, slab, woodwork in frames of door & windows, reinforcement in columns, beams and slab.	10 Marks
4.	Sanitary & Plumbing:	
A	Common items/activities executed in Sanitary & Plumbing Works. Sewerages treatment plant (STP) and its necessity. Feasibility of Soakage pit and its construction Importance of Manholes, inspection chambers, Gully chambers in sewerage line.	06 Marks
B	Water supply Types of Pipes used for water supply, fittings and their connection	04 Marks

REGISTRAR

No. Estab./C&R/NTW/22/1383
Dated: - 25-05-2022

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19/6/22