

Sample Question Paper - Road, Building Bridges

Discamer: This Question paper was designed for Internal assessment of Direct Recruits Class 1 Officers. The Actual syllabus may differ as per cadre.

Question No	Question Text	Correct Option no	Option 1	Option 2	Option 3	Option 4
1	Piers of river bridge are provided with Half round cut and ease water.....	4	A) To support the solid slab effectively	B) To protect pier from impact of floating bodies	C) To give aesthetic look	D) To reduce current pressure on pier
2	Minimum grade of concrete for RCC for bridges of length more than 60 m in moderate condition is -----	3	A) M-20	B) M-15	C) M-30	D) M-25
3	To calculate discharge from catchment,----- is used	4	A) Inglis Formula	B) Modified Inglis Formula	C) Dickens formula	D) All of the above
4	Select a FALSE statement	1	A) A submersible bridge is submersible for all flood levels	B) A highlevel bridge is "high level" for all flood levels	C) A submersible bridge is "high level" for OFL	D) A highlevel bridge is "high level" for OHFL also.
5	For bridges, O.H.F.L. stands for	2	A) Observed Highest Flood Level	B) Observed Highest Flood Level	C) Obvious Highest Flood Level	D) Outflanked Highest Flood level
6	For spans upto 10 m, ----- is generally used for superstructure	2	A) spine slab	B) Solid slab	C) Box girder	D) RCC T beam and deck slab
7	Which IRC code specifies loads and stresses for bridge	3	A) IRC-21	B) IRC-5	C) IRC-6	D) IRC-83
8	Riding return is a part of	1	A) Solid abutment	B) Solid pier	C) Solid retaining wall	D) Box return
9	The out to out width of two lane high level bridge with RCC parapet is	4	A) 7.0 metre	B) 7.5 metre	C) 7.95 metre	D) 8.25 metre
10	Hydraulic calculations are generally carried out on Defined cross section as	2	A) Well defined c/s is required for bridge.	B) Defined c/s is undisturbed , estimation of flood level is realistic	C) It is mandatory by PWD manual to do so	D) Manning's formula is suitable only for Defined c/s