

**INSTRUCTIONS:** 

Answer the following five questions.

1.	(a)	Explain the following terms as used in doors; Jamb, shutter, reveal, panel, transoms.	(5 marks)
	(b)	Outline five rules to be observed when deciding on the location of doo	ors. (5 marks)
	(c)	Identify the six classes of doors with regard to the working principles.	(3 marks)
	(d)	With the aid of simple sketches, differentiate between rolling and coll doors.	apsible steel (7 marks)
2.	(a)	State three classes of doors based on material of use, giving one exam case.	ple in each (6 marks)
	(b)	Sketch and label the rear elevation of a battened and braced door.	(8 marks)
	(c)	Outline any three construction details that need to be considered in co panel doors.	nstruction of (6 marks)
3.	(a)	Identify four types of joints used to join the head and post of a wooder Frame	` /
	(b)	State five factors considered in selection of size, shape, location and n windows.	umber of (5 marks)
	(c)	State ANY three classifications of windows.	(3 marks)

	(d)	Name and sketch ANY four types of hinges used for doors and wir	ndows. (8 marks)
4.	(a) (b)	Sketch at label the front elevation of a glazed window. with the six of a simple sketch, shows the location of the following windowsgable window, -sky light.	(10 marks) types of
	(c)	sketch and label the sectional plan of a corner steel window.	(6 marks)
5.	(a)	Explain the term "stair".	(2 marks)
	(b)	With the aid of a neat sketch, illustrate ten parts of a wooden stair.	(10 marks)
	(c)	Describe the four types of stairs.	(4 marks)
4.	State	three materials used in stairs construction.	(3 marks)