

Amenity Horticulture

General Certificate of Secondary Education **B492/01**

Mark Scheme for June 2010

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All Examiners are instructed that alternative correct answers and unexpected approaches in candidates' scripts must be given marks that fairly reflect the relevant knowledge and skills demonstrated.

Mark schemes should be read in conjunction with the published question papers and the Report on the Examination.

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Question	Expected Answers	Marks	Additional Guidance
1	C provides warmer conditions for germination	1	
2	D provides the plant with extra nutrients	1	
3	B biennial	1	
4	C hover	1	
5	B put clear prices on the plants. D train staff members to talk about them to visitors	2	
6	D there are no white roots in the compost E wilting of the leaves of the plant	2	
7	any 2 from Xs on: hose; plant (edge of path); tap; heating pipe (overhead); watering can	2	
8	lack of certain nutrients; build up of pests or diseases / soil sickness; plants are less vigorous because they are old	1	Reject lack of water or similar variables

9		lack of shading / away from trees; south facing / full sun not in a frost pocket / hollow; sheltered from strong winds;	3	Accept close to water supply / close to electric supply; easy access Accept flat or level
10		typical answers to include: busy lizzie, petunia, pelargonium, alyssum, dahlia, lobelia, salvia, stocks, tagetes, French marigold, sunflower, ageratum, begonia	2	wide range of potential answers, marker to allow any <u>summer flowering</u> plant commonly used for bedding purposes common or botanical names both acceptable Accept roses
11		typical answers: Flowering Cherry (Prunus) / crab / edible apple (Malus) / False Acacia (Robinia pseudoacacia) / Honey Locust (Gleditsia) / Silver Birch (Betula pendula) reason must relate to suitability to the specific location, ie not prickly / attractive leaves or flowers	2	1 mark for plant, 1 mark for reason wide range of potential answers, marker to allow any small-to- medium growing tree common or botanical names both acceptable. Accept fruit tree & enjoyment of growing own fruit or wtte Reject does not shade the garden/small (clue from question) Reject conifer/ fir tree
12	a	Irish Eyes	1	
	b	C 12p	1	
	c	Ruby Sunset	1	
	d	any 2 from: hybrid vigour; more even flowering time; more flowers; more uniform	2	Reject "better" without clarification of why. Accept disease resistant

13	a	10%	1	
13	b	a reduction of 162; reason: thinning of seedlings once they have emerged	2	Allow hoeing caused the loss
14		any two from: stout shoes / steel toe caps/ reference to PPE; do not cut electric cable; do not use in wet conditions use an RCD; look where she is going	2	Allow don't drink alcohol / take drugs / don't wear headphones (music related). Allow make sure no debris beforehand
15		any three from: dig over soil / remove perennial weeds; firm soil (by trampling); rake to ensure level; scatter grass seed on the surface at the recommended rate; rake over soil	3	Allow sow seed at half rate in one direction and then with half rate in other direction Allow reference to netting OWTTE to protect from birds Allow reference to soil moisture management

16	a	any two from: propagate in early spring (January-April); root tuber to be cut to ensure that each part contains a bud / stem; pot on into individual pots to grow on;	2	Allow a description based upon taking softwood cuttings from shoots forced from an early planted tuber
16	b	any three from: prevent further spread; reduced rate of growth; spoil look of flowers; poor quality foliage; fewer flowers;	3	Allow prevents death of plant Reject affects on humans or animals (death or allergy)
Total			36	

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