

Engineering Studies

2006 HSC Examination Mapping Grid

Question	Marks	Content	Syllabus outcomes
Section I			
1	1	Civil Structures/Engineering, Mechanics and Hydraulics	H1.2, H2.1
2	1	Personal and Public Transport/Engineering, Mechanics and Hydraulics	H2.2
3	1	Personal and Public Transport/Engineering Materials	H2.1
4	1	Civil Structures/Communications	H3.1, H3.3
5	1	Personal and Public Transport/Engineering, Mechanics and Hydraulics	H3.1
6	1	Personal and Public Transport/Engineering, Electricity, Electronics	H2.1
7	1	Civil Structures/Engineering, Mechanics and Hydraulics	H2.2
8	1	Personal and Public Transport/Engineering Materials	H2.1
9	1	Lifting Devices/Engineering, Electricity, Electronics	H2.1
10	1	Civil Structures/Engineering, Mechanics and Hydraulics	H3.1
Section II			
Question 11 — Historical and Societal Influences, and the Scope of the Profession			
11 (a)	3	Scope of the Profession	H5.2
11 (b) (i)	2	Historical and Societal Influences	H4.2
11 (b) (ii)	2	Scope of the Profession	H1.1
11 (c)	3	Civil Structures/Materials/Historical and Societal Influences	H4.3
Section II			
Question 12 — Civil Structures			
12 (a) (i)	2	Engineering, Mechanics and Hydraulics	H2.2
12 (a) (ii)	1	Engineering Materials	H2.1
12 (b) (i)	2	Engineering, Mechanics and Hydraulics	H3.1
12 (b) (ii)	2	Engineering, Mechanics and Hydraulics	H3.1
12 (c)	3	Engineering, Mechanics and Hydraulics	H1.2
Section II			
Question 13 — Personal and Public Transport			

Question	Marks	Content	Syllabus outcomes
13 (a)	2	Engineering Materials	H1.2, H2.1
13 (b) (i)	1	Engineering Materials	H1.2
13 (b) (ii)	2	Engineering Materials	H2.1
13 (c)	3	Engineering, Mechanics and Hydraulics	H3.1
13 (d)	2	Engineering, Electricity, Electronics	H3.1
Section II			
Question 14 — Lifting Devices			
14 (a) (i)	2	Engineering, Mechanics and Hydraulics	H3.1
14 (a) (ii)	2	Engineering, Mechanics and Hydraulics	H3.1
14 (b) (i)	2	Engineering, Mechanics and Hydraulics	H3.1
14 (b) (ii)	2	Engineering Materials	H1.2, H2.1
14 (c)	2	Engineering Materials	H1.2
Section II			
Question 15 — Aeronautical Engineering			
15 (a)	3	Engineering, Mechanics and Hydraulics	H3.1
15 (b) (i)	2	Engineering Materials	H1.2
15 (b) (ii)	2	Engineering Materials	H1.2
15 (c)	5	Communication	H3.2
15 (d)	3	Engineering, Mechanics and Hydraulics	H3.1
Section II			
Question 16 — Telecommunication			
16 (a) (i)	2	Engineering, Electricity, Electronics	H2.2
16 (a) (ii)	2	Engineering, Electricity, Electronics	H2.2
16 (b) (i)	3	Engineering, Electricity, Electronics	H2.2
16 (b) (ii)	2	Engineering, Electricity, Electronics	H2.2
16 (c)	2	Engineering, Electricity, Electronics	H1.1, H4.3
16 (d)	4	Communication	H3.3
Section III			
Question 17 — Engineering and the Engineering Report			
17 (a)	3	Civil Structures/Engineering, Mechanics and Hydraulics	H3.1, H6.2

Question	Marks	Content	Syllabus outcomes
17 (b) (i)	1	Civil Structures/Engineering Materials	H1.2
17 (b) (ii)	2	Civil Structures/Engineering Materials	H1.2
17 (c)	4	Civil Structures/Engineering, Mechanics and Hydraulics/Communication	H3.2
Section III			
Question 18 — Engineering and the Engineering Report			
18 (a)	3	Personal and Public Transport/ Historical and Societal Influences	H2.2, H4.3
18 (b)	2	Personal and Public Transport/ Historical and Societal Influences	H6.1, H6.2
18 (c)	3	Personal and Public Transport/ Communication	H1.2, H2.1
18 (d)	2	Personal and Public Transport/ Communication	H3.3, H4.2