



DUNMAN HIGH SCHOOL
Senior High Section

PRELIMINARY EXAMINATION 2008
Higher 2

GEOGRAPHY

9730/01

Paper 1 Physical Geography

Wednesday

10 September 2008

3 hours

INSERT 1

READ THESE INSTRUCTIONS FIRST

This Insert contains all the Figures referred to in the question paper.

Idealised cross-section through the atmosphere depicting (A and B) the main zones of ascending and descending air motions during the seasonal extremes of winter and summer and (C) the associated principal areas of precipitation

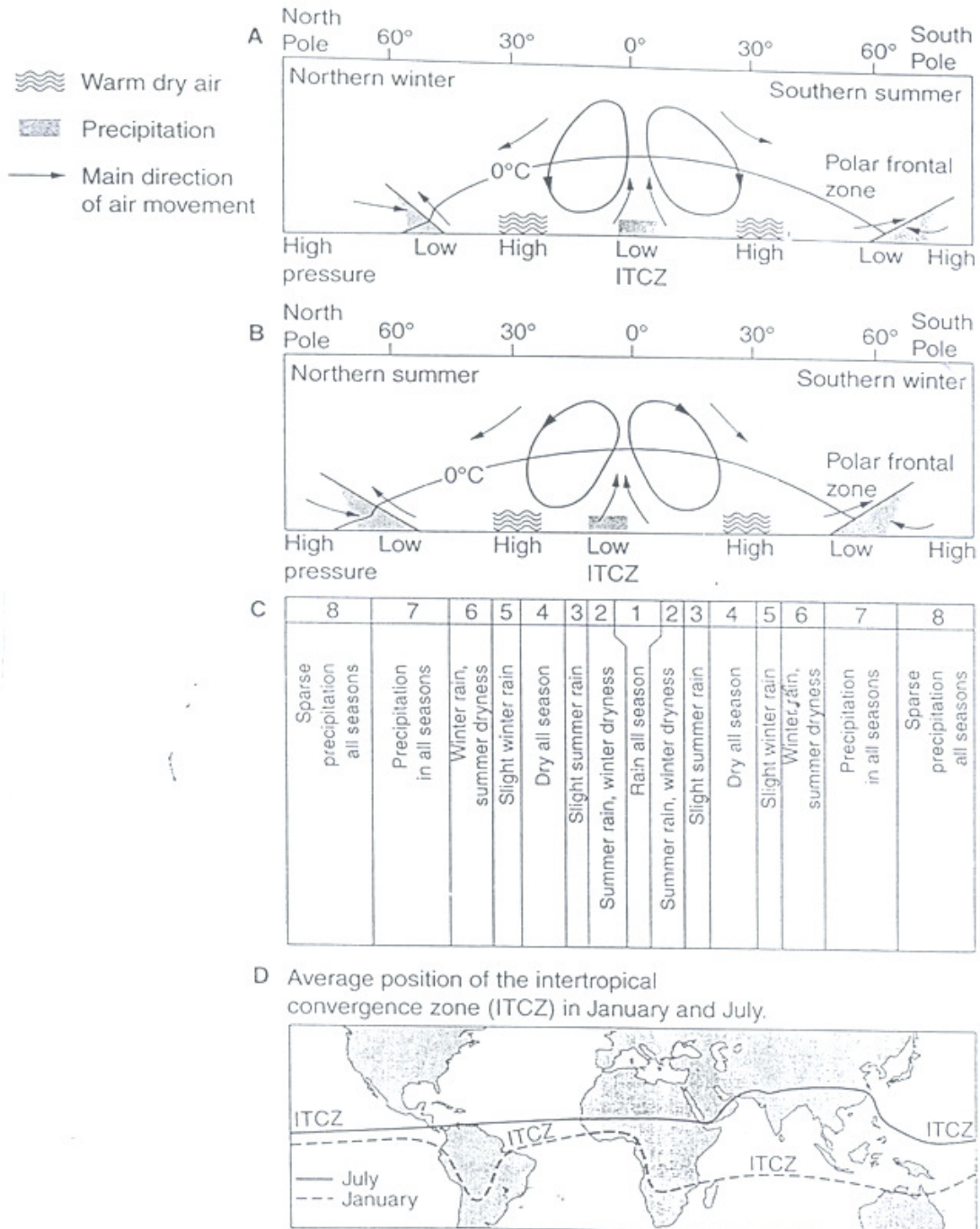


Fig. 1 for Question 2

Variation in surface drainage network and area of saturation in a small heathland catchment in New Forest, England

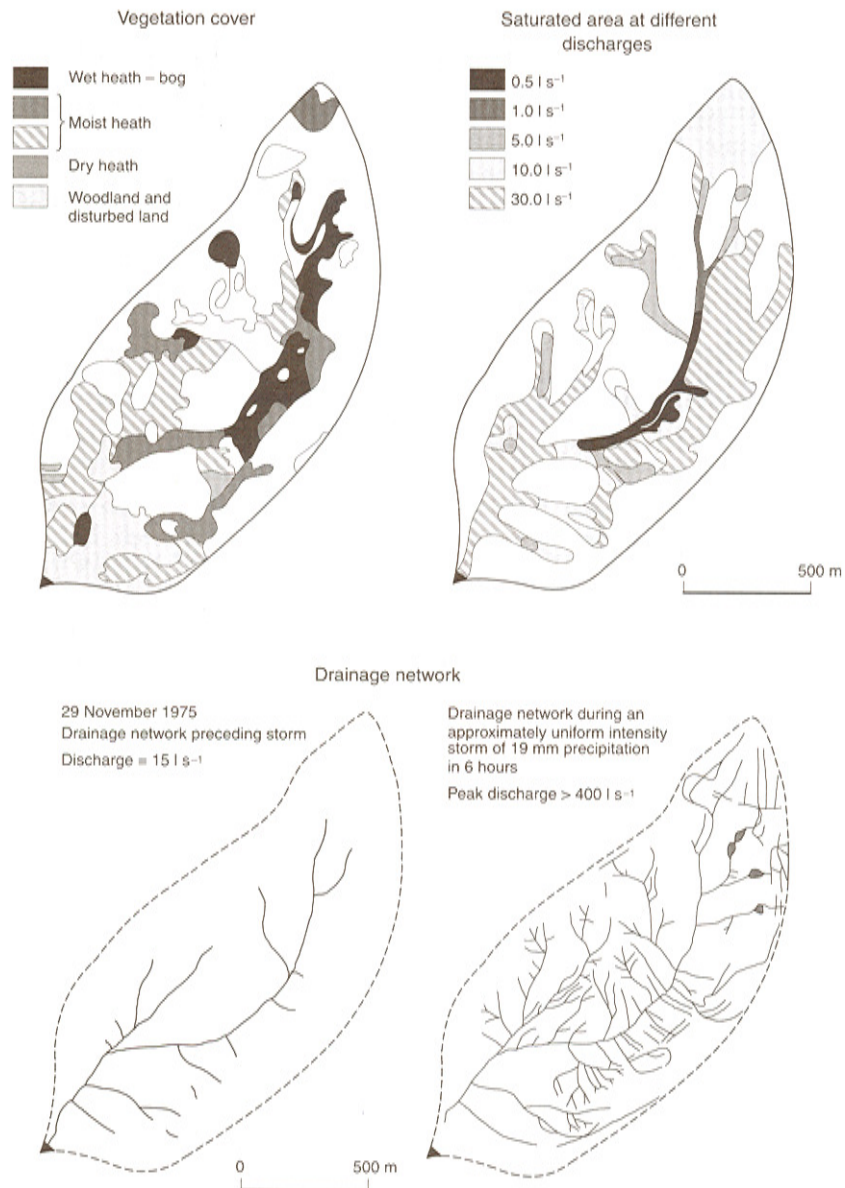


Fig. 2 for Question 3

Regional contributions to coastal flooding in 1990 and the 2020s

Region	1990				2020s			
	PHZ		PAR		PHZ		PAR	
	Millions	%	Thousands	%	Millions	%	Thousands	%
1. North America	13.2	6.7	13	0.1	18.1	6.2	18	0.1
2. Central America	0.8	0.4	18	0.2	1.6	0.6	39	0.2
3. South America Atlantic Coast	4.6	2.3	33	0.3	6.7	2.3	36	0.2
4. South American Pacific Coast	1.4	0.7	13	0.1	2.3	0.8	21	0.1
5. Caribbean	1.2	0.6	10	0.1	1.5	0.5	13	0.1
6. Atlantic Small Islands	0.0	0.0	0	0.0	0.0	0.0	0	0.0
7. North and West Europe	19.0	9.6	19	0.2	21.6	7.4	22	0.1
8. Baltic	1.4	0.7	15	0.1	1.5	0.5	16	0.1
9. North Mediterranean	4.1	2.1	5	0.1	4.3	1.5	6	0.0
10. South Mediterranean	5.6	2.8	229	2.2	10.5	3.6	436	2.7
11. Africa Atlantic Coast	6.9	3.5	342	3.3	16.0	5.5	822	5.0
12. Africa Indian Ocean Coast	7.0	3.6	562	5.4	14.0	4.8	1,165	7.1
13. Gulf States	0.4	0.2	2	0.0	0.9	0.3	4	0.0
14. South Asia	52.3	26.5	4,292	41.6	90.8	31.0	7,461	45.5
15. Indian Ocean Small Islands	0.1	0.1	2	0.0	0.3	0.1	5	0.0
16. South-East Asia	26.5	13.5	1,874	18.2	39.3	13.4	2,742	16.7
17. East Asia	44.1	22.4	2,869	27.8	54.5	18.6	3,565	21.8
18. Pacific Large Islands	0.5	0.3	2	0.0	0.9	0.3	4	0.0
19. Pacific Small Islands	0.1	0.1	3	0.0	0.2	0.1	5	0.0
20. Former USSR	7.8	3.9	8	0.1	8.3	2.8	8	0.1
TOTAL (millions)	197		10.3		293		16.4	

Source: Nakicenovic et al. 2000; Arnell et al. 2004.

PHZ – People in the hazard zone (potentially exposed population)
 PAR – People at risk (number of people potentially flooded per year)

Fig. 3 for Question 4

- End of Paper -