

Name of the Student: _____

Max. Marks : 16 Marks

Time : 16 Minutes

Mark Schemes

Q1.

To gain marks the candidate must

- | | | | |
|----|---|--|-------|
| 1. | Select one option | Advantages) | Max 4 |
| 2. | State 8 valid advantages/disadvantages/relevant comparisons with either of the alternatives | Disadvantages)
Comparisons)
If no A or D or C then Max 4
No option then Max 4 | Min 1 |

Look for As, Ds for chosen scheme.

Then for Cs compared with A/D for chosen scheme.

Below are listed some of the relevant mark scoring points.

	Advantages	Disadvantages
Wind	Land available to North No pollution Close/low transmission costs No fuel costs Renewable energy resource	Initial cost Many windmills/much land Calm day problem Few long term jobs
Coal	Waste land to North Prevailing wind to East Good road/rail transport Close/low transmission costs Save coal industry Overall labour intensive	Pollution Initial costs Fuel costs Non-renewable energy Resource
Hydroelectric	No pollution Mountains/lake/river nearby No fuel costs Renewable energy source	Possible drought Distant/transmission costs Few jobs created Possible expensive underground transmission cable Construction of dam environment
affects		

[8]

Q2.

- (a) 90% of 2.1011
2.16.1011

2

- (b) (i) Can be located anywhere

Continuous output
Sustain coal industry
any 2 for 1 mark each

- (ii) Low running cost
No atmospheric pollution
Gives calm coastal waters
any 2 for 1 mark each
- (iii) High installation costs – built in sea
Coast environmental damage – wildlife disturbance
Time dependence – need dropping tide
any 2 for 1 mark each
(1 for a valid disadvantage, 1 for reason)