

Section 1: Multiple Choice

Answer section

Circle your answer in the section below:

- | | |
|---|---|
| 1. <input checked="" type="radio"/> A B C D | 16. A <input checked="" type="radio"/> B C D |
| 2. <input checked="" type="radio"/> A B C D | 17. <input checked="" type="radio"/> A B C D |
| 3. A B <input checked="" type="radio"/> C D | 18. A B C <input checked="" type="radio"/> D |
| 4. A B C <input checked="" type="radio"/> D | 19. A B C <input checked="" type="radio"/> D |
| 5. A <input checked="" type="radio"/> B C D | 20. A B C <input checked="" type="radio"/> D |
| 6. A B <input checked="" type="radio"/> C D | 21. A <input checked="" type="radio"/> B C D |
| 7. <input checked="" type="radio"/> A B C D | 22. <input checked="" type="radio"/> A B C D |
| 8. <input checked="" type="radio"/> A B C D | 23. <input checked="" type="radio"/> A B C D |
| 9. A B <input checked="" type="radio"/> C D | 24. A B <input checked="" type="radio"/> C D |
| 10. A B C <input checked="" type="radio"/> D | 25. A B <input checked="" type="radio"/> C D |
| ----- | |
| 11. <input checked="" type="radio"/> A B C D | |
| 12. A B C <input checked="" type="radio"/> D | |
| 13. A <input checked="" type="radio"/> B C D | |
| 14. A <input checked="" type="radio"/> B C D | |
| 15. <input checked="" type="radio"/> A B C D | |

Total for M/C: _____ / 25 marks

SECTION 2: WRITTEN

Write your answers in the spaces provided.

1. a) Pot.
b) Pot.
c) Pot.
d) Action
e) Action.

(1 mark each: ____ 5 marks)

2. a) E f) water
b) H g) petrol / fossil fuel.
c) Bread h) heat
d) light i) piston / engine / car.
e) Sun any engine.

(1 mark each: ____ / 9 marks)

3. Problem 1: pollution / non renewable ①

(1 mark: ____ / 1 mark)

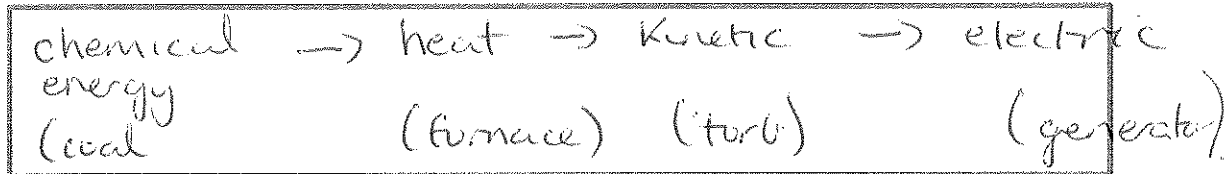
4. Answer: 6505 (1). (____ / 2 marks)

Area for working out:

$$\text{output} = \frac{65}{100} \times 1000 \text{ (1)}$$

$$= 6505$$

5. Energy flow diagram



(____ / 4 marks)

6. Heat Transfer

Type of heat transfer	Explanation (1 mark each)	How well it occurs in solids, liquids, gas and space (2 marks each)
Conduction (1)	* one particle to another. particle near hot source vibrate causing next particle to vibrate.	Solid - good. liquid - good (2) - no vacuum. - not good in gas.
Convection (1)	* particles move further apart. * hotter section rise causing convection current.	not good in solid. - good in liquid (2) in solid. - no vacuum.
Radiation (1)	- energy travels in waves.	- not good in solid - not good liquid or solid (2) - good in vacuum.

(____ / 9 marks)

END OF TEST

Multiple Choice: ____ /25

Written: ____ /30

TEST TOTAL: ____ /55

