



Institute of Technology University of Moratuwa

National Diploma in Technology

Model Questions for the Aptitude Test

1. 64 cubes each of side 1 cm are stacked together so as to form a large cube of side 4 cm and all sides painted except the underside. How many small cubes will not have any paint on them?

- (1) 16 (2) 12 (3) 8 (4) 4

2. Which of the following cannot be used as a fuel to run engines?

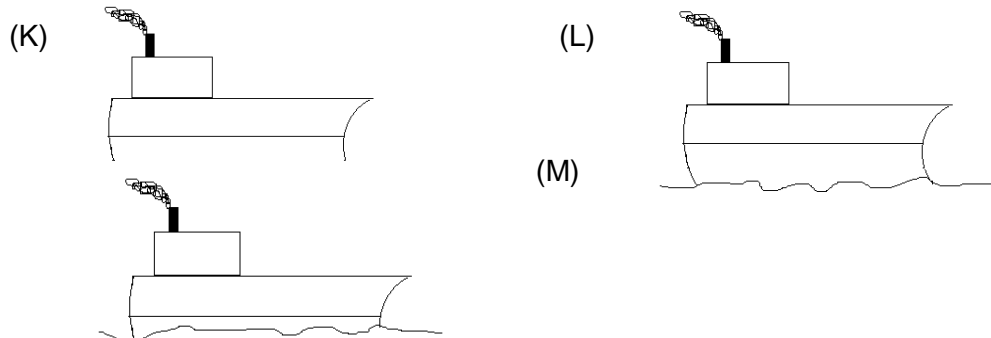
- (A)-Alcohol (B)-Petrol (C)-Oxygen (D)-LPG
(E)-Argon (F)-Kerosene

- (1) A, C & E
(2) C & E only
(3) A, E & F
(4) A & E only

3. The material which can be easily shaped into articles, consuming lowest quantity of energy is;

- (1) Natural Rubber (3) Brass
(2) Mild Steel (4) PVC

4. Which of the identical ships K, L and M shown below has the heaviest load?



- (1) K (2) L (3) M (4) All equal

5. Select the group having reservoirs within Mahaweli river basin

- (1) Kothmale, Ulhitiya, Randenigala
(2) Rantembe, Randenigala, Ulhitiya
(3) Kothmale, Victoria, Maduru Oya
(4) Victoria, Randenigala, Rantembe

6. Which of the following is not a transmission voltage in Sri Lanka?

- (1) 66 KV
(2) 132 KV
(3) 220 KV
(4) 400 KV