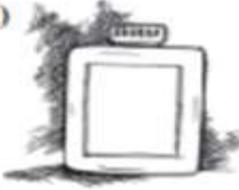


Visualising Solid Shapes: Exercise 10.1

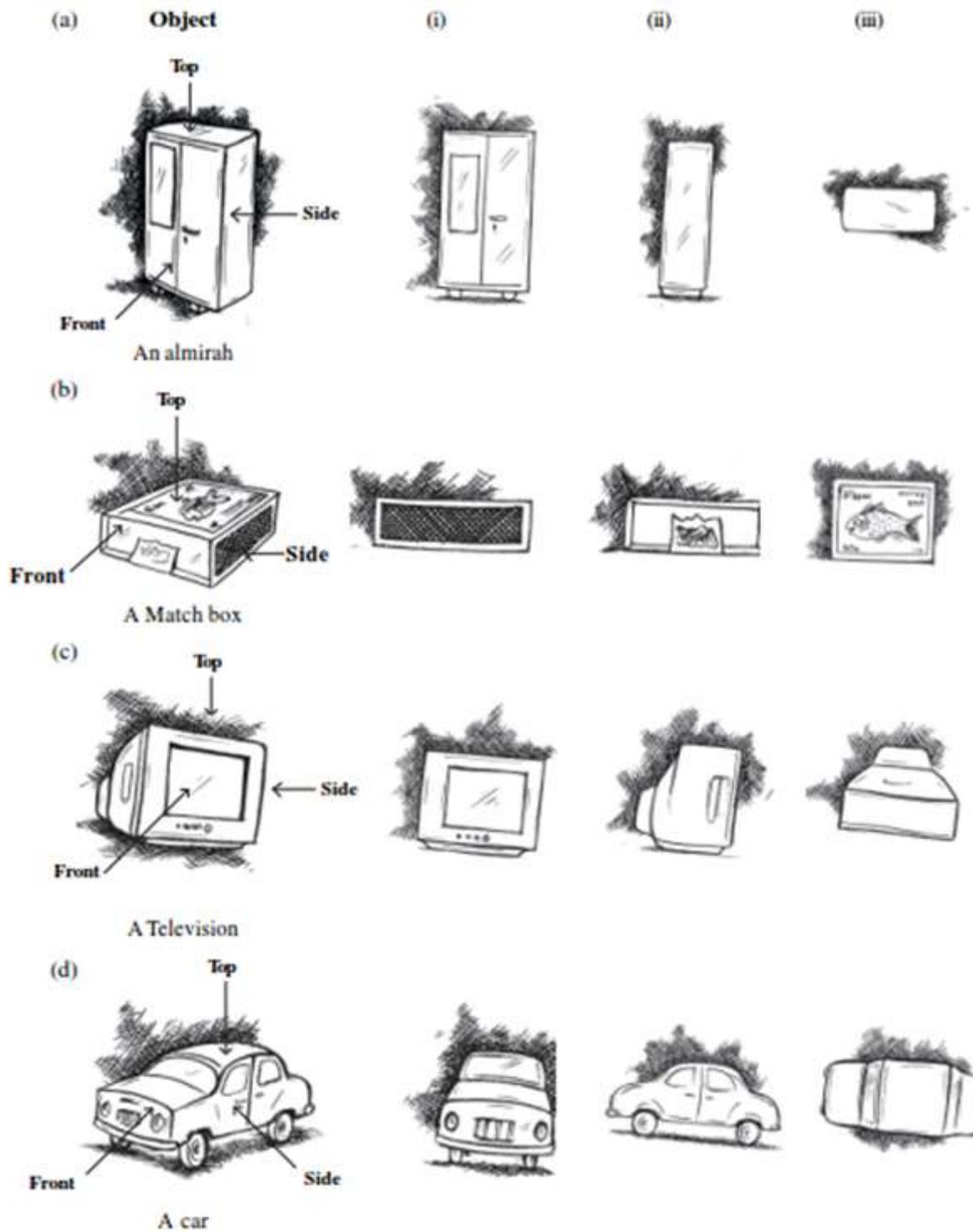
Q.1 For each of the given solid, the two views are given. Match for each solid the corresponding top and front views. The first one is done for you.

	Object	Side view	Top view
(a)	 A bottle	(i) 	(i) 
(b)	 A weight	(ii) 	(ii) 
(c)	 A flask	(iii) → 	(iii) 
(d)	 Cup and Saucer	(iv) 	(iv) → 
(e)	 Container	(v) 	(v) 

Sol: Matching for each solid the corresponding top and front views:

- (a) A bottle -----> (iii) -----> (iv)
- (b) A weight ----> (i) -----> (v)
- (c) A flask -----> (iv) -----> (ii)
- (d) Cup and saucer -----> (v) -----> (iii)
- (e) Container -----> (ii) -----> (i)

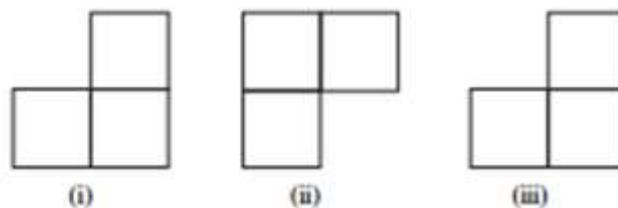
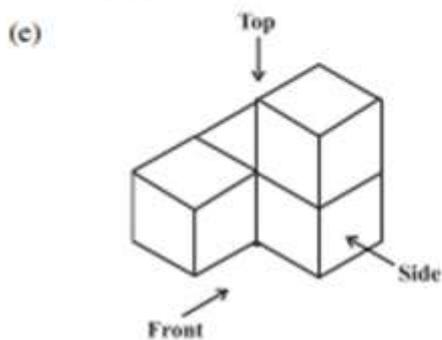
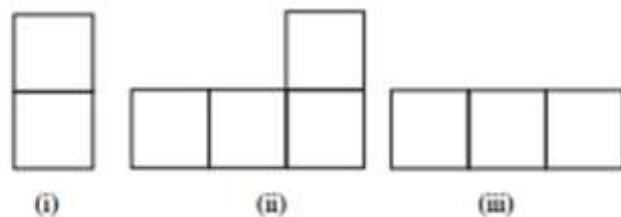
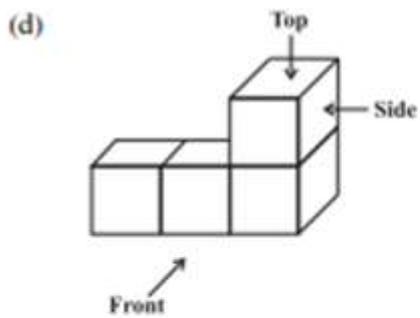
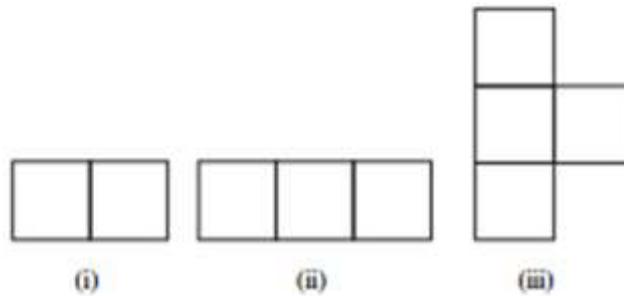
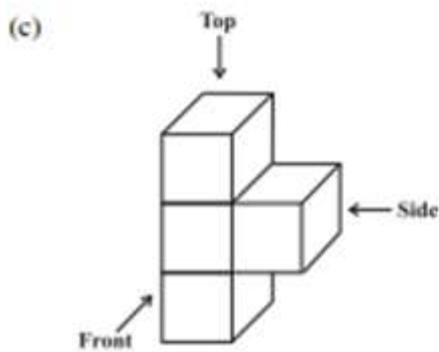
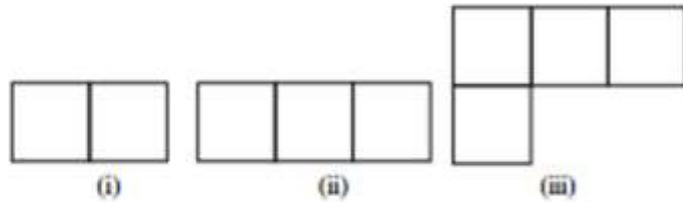
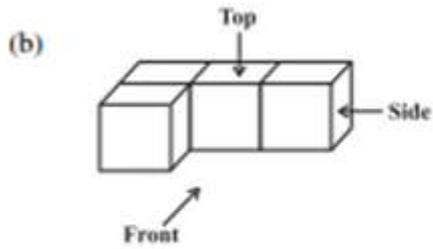
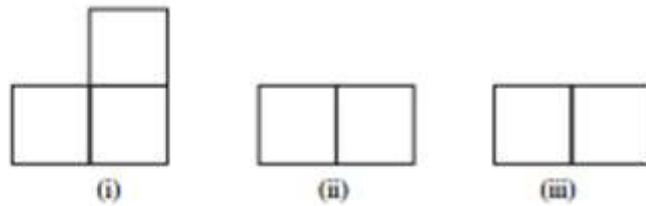
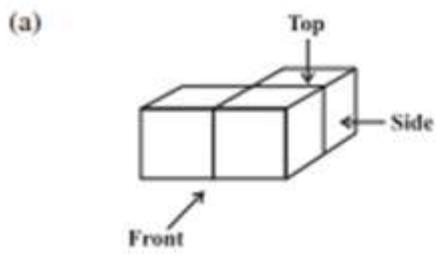
Q.2 For each of the given solid, the three views are given. Identify for each solid the corresponding top, front and side views.



Sol: Identification of each solid the corresponding top, front and side views:

- | | | | |
|------------------|-------------|--------------|-------------|
| (a) An Almirah | (i) - Front | (ii) - Side | (iii) - Top |
| (b) A Match box | (i) - Side | (ii) - Front | (iii) - Top |
| (c) A Television | (i) - Front | (ii) - Side | (iii) - Top |
| (d) A Car | (i) - Front | (ii) - Side | (iii) - Top |

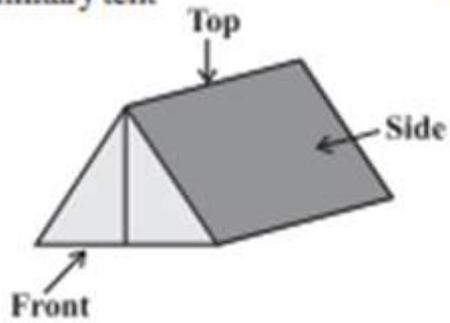
Q.3 For each given solid, identify the top view, front view and side view.



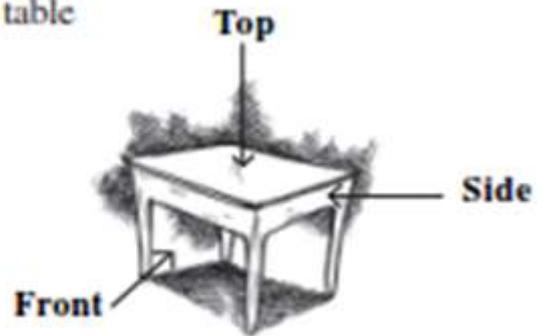
Sol: (a) (i) -Top (ii) - Front (iii) - Side
 (b) (i) -Side (ii) - Front (iii) - Top
 (c) (i) -Top (ii) - Side (iii) - Front
 (d) (i) - Side (ii) - Front (iii) -Top
 (e) (i) - Front (ii) - Top (iii) - Side

Q.4 Draw the front view, side view and top view of the given objects.

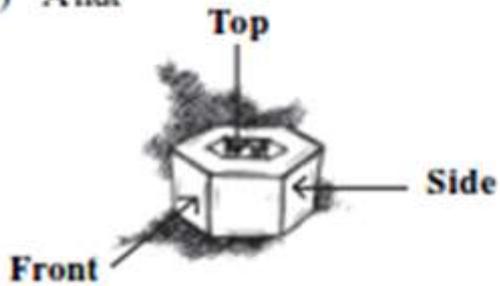
(a) A military tent



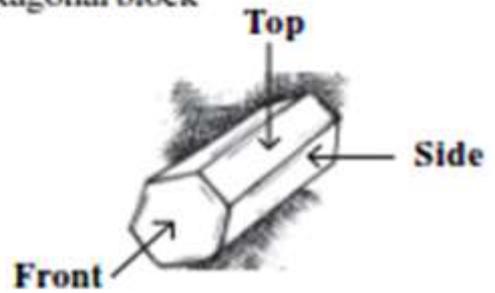
(b) A table



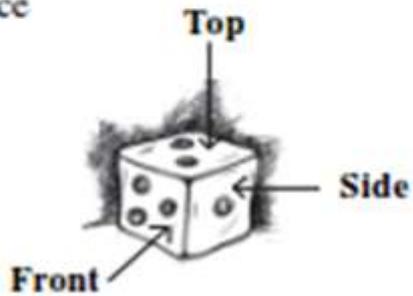
(c) A nut



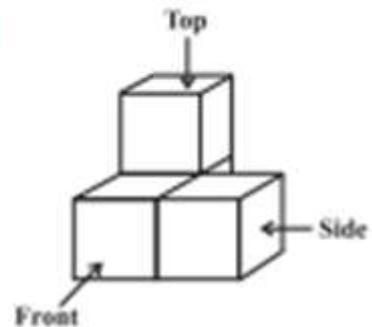
(d) A hexagonal block



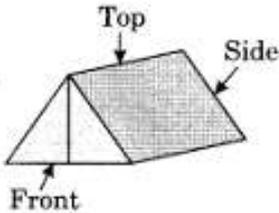
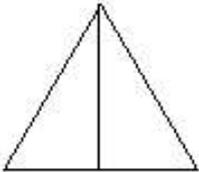
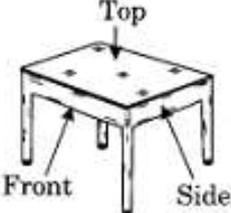
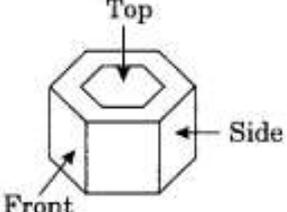
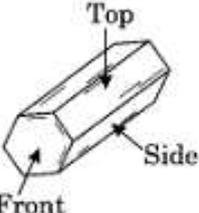
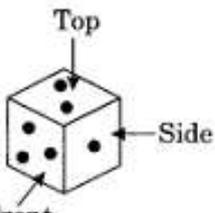
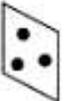
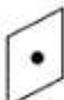
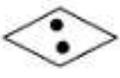
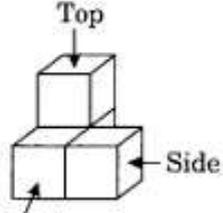
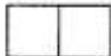
(e) A dice



(f) A solid



Sol: Front view, side view and top view of the given objects.

<p>(a)</p> 	<p>Front view</p> 	<p>Side view</p> 	<p>Top View</p> 
	<p>Front view</p> 	<p>Side view</p> 	<p>Top View</p> 
	<p>Front view</p> 	<p>Side view</p> 	<p>Top View</p> 
	<p>Front view</p> 	<p>Side view</p> 	<p>Top View</p> 
	<p>Front view</p> 	<p>Side view</p> 	<p>Top View</p> 
	<p>Front view</p> 	<p>Side view</p> 	<p>Top View</p> 