1. Draw following figure using various commands and constrain.

**PRACTICAL PROBLEM:- 2**

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| **Fig.1(a)** |
| **Fig.1(b)** |
| **Fig.1(c)** |
| * Open the drafting software and create a new drawing. * Click on the line command and draw a line using two points. * Click on the circle command and draw a circle using center and radius option. * Click on circle array command and draw the equally distance & parallel to each other circle on the object. * Use the trim command to trim a unwanted line and circle part.  |  | | --- | |  | | **Fig.1(d)** | | * Use the trim command to trim a unwanted line and circle part. * Click on the radius dimension command and add a dimension to the circle. * Click on the arc dimension command and a dimension to the arc.  1. Draw following figure using various commands and constrain.  |  | | --- | |  | | **Fig.2(a)** | | * Click on the circle command and draw a circle using center and radius option. * Click on the line command and draw a line. * Click on the polygon command or write a sides of polygon and draw a polygon.  |  | | --- | |  | | **Fig.2(b)**    **Fig.2(c)** | | |  * Click on the arc and select the start, radius arc and draw the arc. * Use the trim command to trim a unwanted line and circle part. * Click on the linear dimension command and add a dimension to the line. * Click on the radius dimension command and add a dimension to the circle. * Click on the arc dimension command and a dimension to the arc. |

1. Draw following figure using various commands and constrain.

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| **Fig.3(a)** |
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| **Fig.3(b)** |
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| **Fig.3(c)** |
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| **Fig.3(d)** |
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| **Fig.3(e)** |
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| **Fig.3(f)** |

* Click on the circle command and draw a circle using center and radius option.
* Click on the line command and draw a line using two points.
* Click on circle array command and draw the equally distance & parallel to each other circle on the object.
* Click on 2point circle command and draw a circle using 2 point & tangent circle.
* Use the trim command to trim a unwanted line and circle part.
* Click on the linear dimension command and add a dimension to the line.
* Click on the radius dimension command and add a dimension to the circle.
* Click on the arc dimension command and a dimension to the arc.

**Signature**