

**Birla Institute of Technology and Science, Pilani**  
End-semester examination

**Programming for Analytics**

Answer key

- 1     x  
2     bmp  
3     magick  
4     It converts the colored image into grayscale image  
5
- |     |     |     |
|-----|-----|-----|
| 140 | 250 | 140 |
| 250 | 140 | 250 |
| 140 | 250 | 140 |
- 6
- |     |     |     |
|-----|-----|-----|
| 106 | 139 | 106 |
| 139 | 40  | 139 |
| 106 | 139 | 106 |
- 7     20x20 = 400  
8     2 (0, 255)  
9     255  
10    0  
11    AutoRegressive Integrated Moving Average  
12    "#FF0000"   "#00FF00"   "#0000FF"  
13    start 1  
      end   5  
14    "Binesh"     "Hunesh"  
15    [1, 2, 4, 7, 10, 15, 24]  
16    [[3], 2, 5]  
17    It clears the plot window by removing the plots, if there is already a  
      plot drawn  
18    ESC   TAES  
19    TypeError: 'tuple' object does not support item assignment  
20    IndexError: list assignment index out of range  
21

	Keyword (Yes/No)	Language(R and/or Python)
is	Yes	Python
next	Yes	R
in	Yes	R & Python
with	Yes	Python
del	Yes	Python