GATE 2024 General Aptitude Daily Practice Questions

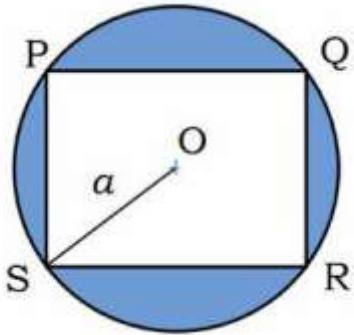**Ques. An email password must contain three characters. The password has to contain one numeral from 0 to 9, one upper case, and one lower case character from the English Alphabet. How many distinct passwords are possible?**

1. 6760

2. 13520

3. 40560

4. 1,05,456

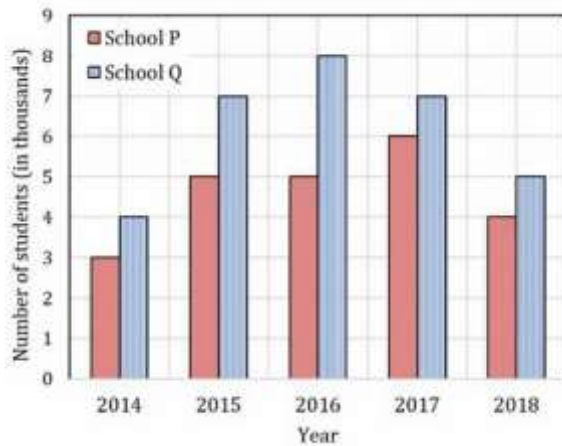**Ques. It is quarter past three on your watch. The angle between the hour hand and the minute hand is ………**

1. 0°

2. 7.5°

3. 15°

4. 22.5°

Ques. A circle with centre 0 is shown in the figure. A rectangle PQRS of the maximum possible area is inscribed in the circle. If the radius of the circle is a, then the area of the shaded portion is:

1. πa²-a²

2. Пa²- √2a²

3. Пa²- 2a²

4. Пa²- 3a²

Ques. The following figure shows the data of students enrolled in 5 years (2014 to 2018) for two schools P and Q. During this period, the ratio of the average number of students enrolled in school P to the average difference of the number of students enrolled in Schools P and Q is …

1. 8:23

2. 23:8

3. 23:31

4. 31:23

Ques. The radius as well as the height of a circular cone increases by 10%. The percentage increase in its volume is…….

1. 17. 1

2. 21. 0

3. 33. 1

4. 72.8