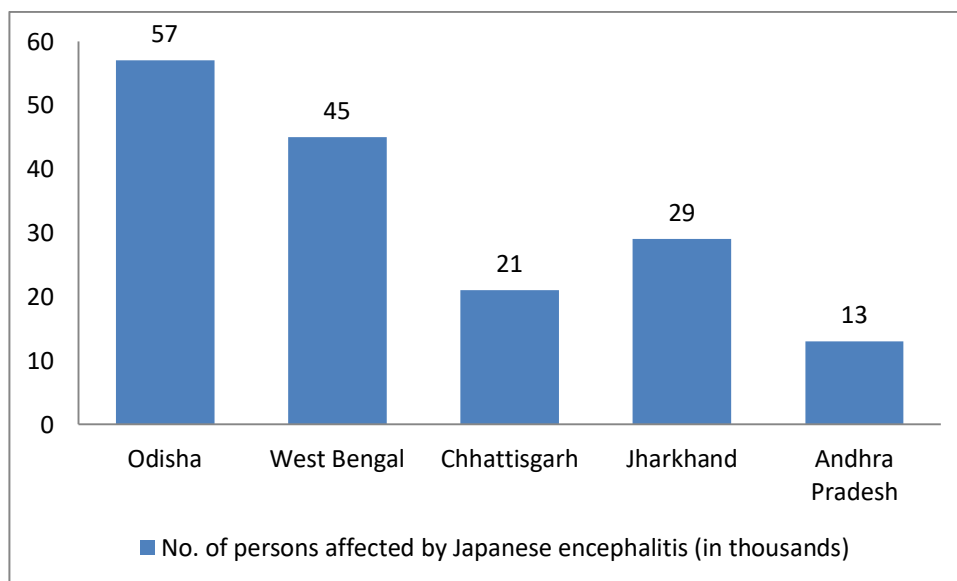


COMMON LAW ADMISSION TEST-2020-UG

Quantitative Techniques

The following data presents the cases of Japanese Encephalitis in five states of India.



States	Ratio of males to females
	Male : Female
Odisha	12 : 7
West Bengal	6 : 3
Chhattisgarh	5 : 2
Jharkhand	15 : 14
Andhra Pradesh	7 : 6

136. Number of females affected by Japanese encephalitis in West Bengal are what percentage (up to 1 decimal) more or less than that of females affected in Odisha?

- a) 28.6 % less
- b) 29.7 % more
- c) 26.8 % less
- d) 25.8 % more

CORRECT ANSWER : OPTION A

137. What is the average number of males affected by Japanese encephalitis in all the five states?

- a) 9,000
- b) 13,500
- c) 18,400
- d) 20,600

CORRECT ANSWER : OPTION D

138. If the total number of males affected by Japanese Encephalitis in other states are 87 % more than the average number of males in Odisha, West Bengal, Chhattisgarh and Jharkhand, the total number of males affected in India is:

- a) 44,880
- b) 1,40,880
- c) 1,47,880
- d) 68,880

CORRECT ANSWER : OPTION B

139. By what percentage is the average of males in Chhattisgarh, Jharkhand and Andhra Pradesh together more or less than the average of females in West Bengal, Jharkhand and Odisha together who are affected by Japanese encephalitis?

- a) 22
- b) 24
- c) 26
- d) 28

CORRECT ANSWER : OPTION C

140. What is the percentage (up to 1 decimal) of females affected by 'Japanese encephalitis' of the total affected population across five states?

- a) 25.4
- b) 36.7
- c) 24.5
- d) 37.6

CORRECT ANSWER : OPTION D

A room having the dimensions as mentioned in the chart below has a table, a bed and a chair. There are three books kept on the table (side by side) and also a lamp having radius, 3.5 inch. Now, on the basis of information given below answer the following?

Sr. No.	Object	Length	Breadth	Height
1.	Room	18 feet	12 feet	12 feet
2.	Bed	3.5 feet	6 feet	3 feet
3.	Table	3 feet	4 feet	4 feet
4.	Chair	2 feet	2.5 feet	4 feet
5.	Books	12 inch	6 inch	3 inch

141. What would be the area of the room which is not covered by any object as mentioned above?

- (a) 176.5 sq. ft.
- (b) 178 sq. ft.
- (c) 367 sq. ft.
- (d) 245.5 sq. ft.

CORRECT ANSWER : OPTION B

142. What is the area of the table which is uncovered by any of the objects?

- (a) 1656 sq. inch
- (b) 1617.52 sq. inch
- (c) 1473.52 sq. inch
- (d) 1512 sq. inch

CORRECT ANSWER : OPTION C

143. How many tables are required to cover the floor surface of the room completely?

- (a) 18
- (b) 11
- (c) 21
- (d) Data inadequate.

CORRECT ANSWER : OPTION A

144. If the entire room is to be filled by books having same dimensions as lying on the table then how many books are required.

- (a) 2,00,736
- (b) 20,736
- (c) 11,736
- (d) 17,522

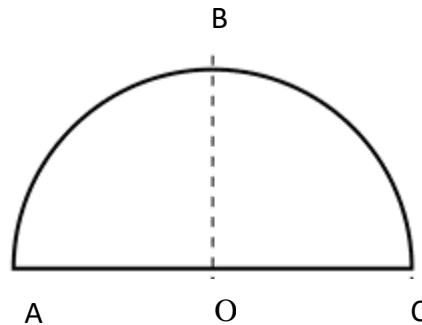
CORRECT ANSWER : OPTION B

145. How many chairs can be put inside the room so as to cover the entire floor area of the room?

- (a) 40
- (b) 21
- (c) 43
- (d) 18

CORRECT ANSWER : OPTION C

Direction: In the figure given below, a goat is tied to a pole (at point O) which is the center of the semi-circular plot. The area of the plot is equal to its perimeter. BO is the length of the rope through which the goat is tied to the pole. Answer to the closest decimal.



146. The length of the rope is

- a. $2 + \pi$
- b. $2 + \pi/2$
- c. $2 + 2/\pi$
- d. 2

CORRECT ANSWER : OPTION C

147. The area of the plot is

- a. 18.13
- b. 21.83
- c. 28.13
- d. 11.83

CORRECT ANSWER : OPTION B

148. If a triangle is created by joining points A, B, and C. What will be the length of AB?

- a. 3.73
- b. 7.33
- c. 1.86
- d. Can't be calculated with the given data

CORRECT ANSWER : OPTION A

149. What will be the area of the triangle ABC?

- a. 6.96
- b. 9.66
- c. 3.66
- d. Can't be calculated with the given data

CORRECT ANSWER : OPTION A

150. What will be the perimeter of the triangle ABC?

- a. 40.4
- b. 30.3
- c. 20.2
- d. 10.1

CORRECT ANSWER : OPTION D