



Bipin Nambiar
(SBI PO 2018)



Shiraz Khan
(SBI Clerk 2018)



Kuldeep Yadav
(SBI PO 2018)



Rajat Saxena
(IBPS Clerk 2018)



Anupam Tyagi
(IBPS PO 2018)

FRIENDS!
WE USED **TESTZONE**
AND CRACKED BANK EXAMS

बैंक परीक्षाओं के लिए निश्चित
रूप से सर्वश्रेष्ठ मॉक
टेस्ट सीरीज

IT'S YOUR TURN NOW
TAKE A **FREE** MOCK TEST



Smartkeeda
The Question Bank

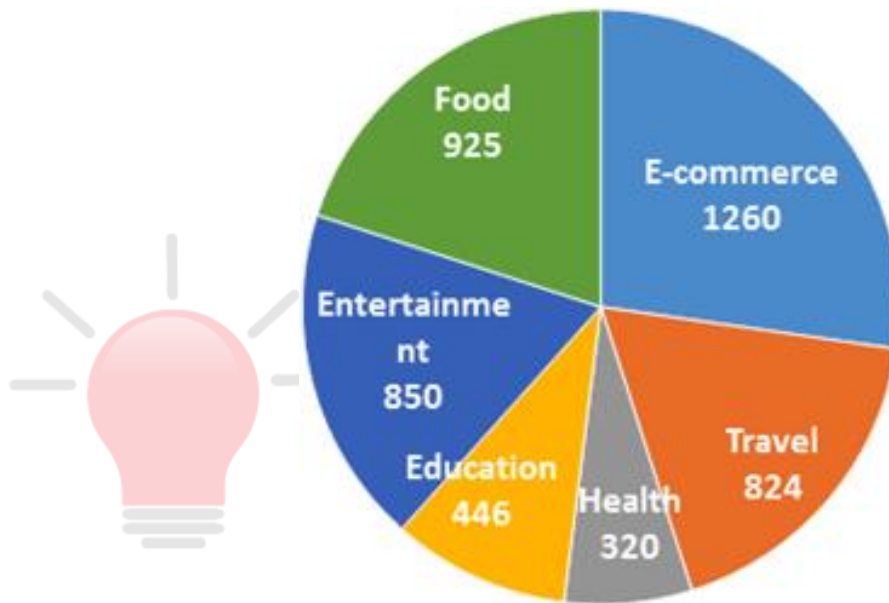
DI Pie Chart Questions for SBI PO Mains, IBPS PO Mains and RBI Grade B Exams.

DI Pie Chart No 57

Directions: Study the following pie chart carefully and answer the questions given beside.

The following pie charts show the number of start-ups started in various industries since 2012 and number of successful start-ups in those industries.

Start - up in various Industries started since 2012



Successful start- ups in various Industries



Questions :

1. What is the percentage of entertainment start-ups which got successful since 2012?
 A. 22.3% B. 25.3% C. 28.7% D. 30.2% E. 32.6%
2. Which industry is safest (has highest percentage of success) for a start-up from the following?
 A. Health B. Food C. Education D. E - Commerce E. Entertainment
3. What is the ratio of number of successful start-ups to that of unsuccessful start-ups?
 A. 396 : 922 B. 320 : 678 C. 303 : 622 D. 101 : 311 E. 248 : 673
4. What is the approximate central angle of successful education start-ups in above chart?
 A. 67.5° B. 71.6° C. 14.4° D. 52.5° E. 60.0°
5. Which two start-up industries together have closest to 45% of total start-ups started since 2012?
 A. E-commerce and Entertainment B. E-commerce and Travel C. E-commerce and Food
 D. Food and Entertainment E. Travel and Entertainment



Smartkeeda
The Question Bank

Correct Answers:

1	2	3	4	5
B	C	C	D	B

www.smartkeeda.com | testzone.smartkeeda.com

SBI | RBI | IBPS | RRB | SSC | NIACL | EPFO | UGC NET | LIC | Railways | CLAT | RJS



[Join us](#)

Explanations :

1. Percentage of successful entertainment start-ups

$$= \frac{\text{number of successful entertainment startups}}{\text{number of entertainment startups started}} \times 100$$

$$\Rightarrow \text{Reqd. \%} = \frac{215}{850} \times 100 = 25.3\%$$

Hence, option (B) is correct.

2. Success % =
$$\frac{\text{number of successful startups in an industry}}{\text{Total number of startups started in that industry}}$$

$$\text{Success \% of E-commerce} = \frac{450}{1260} \times 100 = 35.71\%$$

$$\text{Success \% of Health} = \frac{140}{320} \times 100 = 43.75\%$$

$$\text{Success \% of Education} = \frac{221}{446} \times 100 = 49.55\%$$

$$\text{Success \% of Entertainment} = \frac{215}{850} \times 100 = 25.29\%$$

$$\text{Success \% of Food} = \frac{370}{925} \times 100 = 40\%$$

Here we can see that the education industry have highest success percentage, hence it is the safest industry from the given industries

Hence, option (C) is correct.

3. Total Number of start-ups started = $1260 + 824 + 320 + 446 + 850 + 925 = 4625$
 Number of successful start-ups = $450 + 119 + 140 + 221 + 215 + 370 = 1515$

$$\text{Number of unsuccessful start-ups} = \text{Total number of start-ups started} - \text{Number of successful start-ups}$$

$$\Rightarrow \text{Number of unsuccessful start-ups} = 4625 - 1515 = 3110$$

$$\text{Reqd. ratio} = \frac{\text{number of successful startups}}{\text{number of unsuccessful startups}}$$

$$\text{Reqd. ratio} = \frac{1515}{3110} = \frac{303}{622} = 303 : 622$$

Hence, option (C) is correct.

4. Central angle of any element is angle made by region of that element on the centre of chart,

Central angle can be calculated as,

$$\text{Central angle of an element} = \frac{\text{Value of that element}}{\text{sum of values of all elements}} \times 360^\circ$$

$$\text{Central angle of successful education start-ups} = \frac{\text{number of successful education startups}}{\text{total number of successful startups}} \times 360^\circ$$

$$\Rightarrow \text{Central angle} = \frac{221}{450 + 119 + 140 + 221 + 215 + 370} \times 360$$

$$= \frac{221}{1515} \times 360$$

$$\Rightarrow \text{Central angle} = 52.5^\circ$$

Hence, option (D) is correct.

5. Percentage of two start-up industries
 $= \frac{\text{sum of number of startups in two industries}}{\text{total number of startups started}} \times 100$

$$\text{Total number of start-ups started} = 1260 + 824 + 320 + 446 + 850 + 925 = 4625$$

$$\text{Percentage of E-commerce and entertainment industries} = \frac{1260 + 850}{4625} \times 100 = 45.62\%$$

$$\text{Percentage of E-commerce and food industries} = \frac{1260 + 925}{4625} \times 100 = 47.24\%$$

$$\text{Percentage of E-commerce and Travel industries} = \frac{1260 + 824}{4625} \times 100 = 45.06\%$$

$$\text{Percentage of Food and entertainment industries} = \frac{925 + 850}{4625} \times 100 = 38.38\%$$

$$\text{Percentage of Travel and entertainment industries} = \frac{824 + 850}{4625} \times 100 = 36.19\%$$

Here we can see that E-commerce and travel industries together have closest percentage value to 45%, i.e. 45.06%.

Hence, option (B) is correct.



SmartKeeda

The Question Bank

Presents

TestZone

India's least priced Test Series platform



ALL BANK EXAMS

2020-2021 Test Series

@ Just

₹ 599/-

300+ Full Length Tests

- Brilliant Test Analysis
- Excellent Content
- Unmatched Explanations

JOIN NOW