

SSC CHSL (Tier - 1) Online Exam Paper - 2017 "held on 19 March 2018"

Morning-Shift (Quantitative Aptitude)

QID : 1 -

Calculate the value of x if $\sqrt{1 - (x/289)} = (15/17)$.

x का मान ज्ञात कीजिये यदि $\sqrt{1 - (x/289)} = (15/17)$ है।

Options:

- 1) 64
- 2) 44
- 3) 36
- 4) 54

Correct Answer: 64

QID : 2 -

Find the unit place digit in the given expression:

$$(153)^{144} - (115)^{123} - (111)^{510} + (216)^{25}$$

समीकरण $(153)^{144} - (115)^{123} - (111)^{510} + (216)^{25}$ में इकाई स्थान अंक निकालिये।

Options:

- 1) 1
- 2) 5
- 3) 6
- 4) 3

Correct Answer: 1

QID : 3 -

Which of the following value of 'x' satisfies the equation $4^{x-1} \cdot 9^{2x-8} = 5184$?

'x' के निम्न मान में से कौन सा समीकरण $4^{x-1} \cdot 9^{2x-8} = 5184$ को संतुष्ट करता है?

Options:

- 1) 2
- 2) 3
- 3) 4
- 4) 6

Correct Answer: 4

QID : 4 -

If $s + \frac{1}{s} = 4$, then find the value of $s^2 + \frac{1}{s^2}$.

यदि $s + \frac{1}{s} = 4$ है, तो $s^2 + \frac{1}{s^2}$ का मान ज्ञात करें।

Options:

- 1) 14
- 2) 16
- 3) 20
- 4) 24

Correct Answer: 14

QID : 5 - The tangent at any point of the circle is _____ to the radius through the point of contact.

Options:

- 1) parallel
- 2) intersecting
- 3) perpendicular

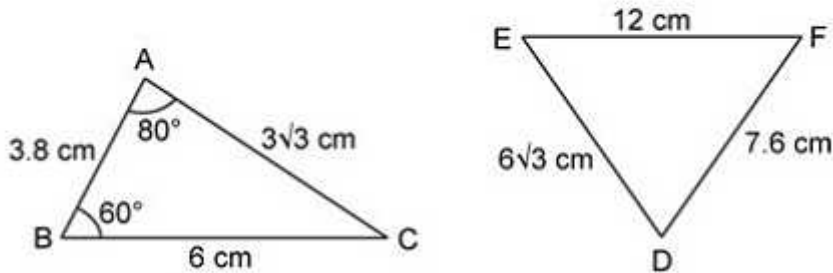
4) equal

Correct Answer: perpendicular

QID : 6 -

Calculate the value of angle FED from the figure shown below.

नीचे दिखाई गयी आकृति में कोण FED के मान की गणना करें।



Options:

- 1) 30°
- 2) 40°
- 3) 60°
- 4) 80°

Correct Answer: 40°

QID : 7 - The income of X is 60% more than Y's income and the income of Y is 40% more than Z's income. X's income is how much percentage more than Z's income?

Options:

- 1) 134
- 2) 224
- 3) 100
- 4) 124

Correct Answer: 124

QID : 8 - If $x : y = 1 : 3$, then what will be the ratio of $(3y^2 + 3x^2) : (2y^2 - 8x^2)$?

Options:

- 1) 4 : 1
- 2) 2 : 1
- 3) 3 : 1
- 4) 5 : 1

Correct Answer: 3 : 1

QID : 9 - 5 litres of honey contains 80% sugar. 3 litres of water is added to this honey. What is the percentage of sugar in the new mixture?

Options:

- 1) 40
- 2) 50
- 3) 60
- 4) 75

Correct Answer: 50

QID : 10 - Average of the marks of 132 students of a college is 40. If the average of the marks of the passed students is 42 and the average of the marks of the failed students is 20, then what will be the respective ratio of the total marks of passed students and the total marks of failed students?

Options:

- 1) 21 : 1
- 2) 23 : 2
- 3) 19 : 11
- 4) 9 : 2

Correct Answer: 21 : 1

QID : 11 - A sum of Rs 8000 becomes Rs 12500 in 2 years at a certain rate of compound interest. What will be the sum (in Rs) after 3 years?

Options:

- 1) 13175
- 2) 14225
- 3) 12575
- 4) 15625

Correct Answer: 15625

QID : 12 - If the selling price of an article is doubled, then its loss percentage gets converted into the equal profit percentage. What is the loss percentage?

Options:

- 1) 16.66
- 2) 50
- 3) 33.33
- 4) 37.5

Correct Answer: 33.33

QID : 13 - The marked price of a pencil is 35% more than its cost price. What maximum discount percentage can be offered by the shopkeeper to sell his pencil at no profit or no loss?

Options:

- 1) 34.24
- 2) 44.44
- 3) 25.92
- 4) 18.18

Correct Answer: 25.92

QID : 14 - What is the least number that should be added to the product $11 \times 12 \times 13 \times 14$ to make it a perfect square?

Options:

- 1) 1
- 2) 311
- 3) 5
- 4) 0

Correct Answer: 1

QID : 15 - If 8 men can do a piece of work in 14 days, then in how much time (in days) will 7 men do the same piece of work?

Options:

- 1) 16
- 2) 15
- 3) 17
- 4) 18

Correct Answer: 16

QID : 16 - Two buses are moving towards each other with speed of 20 km/hr and 34 km/hr respectively. What will be the distance (in metres) between the two buses one second before they collide?

Options:

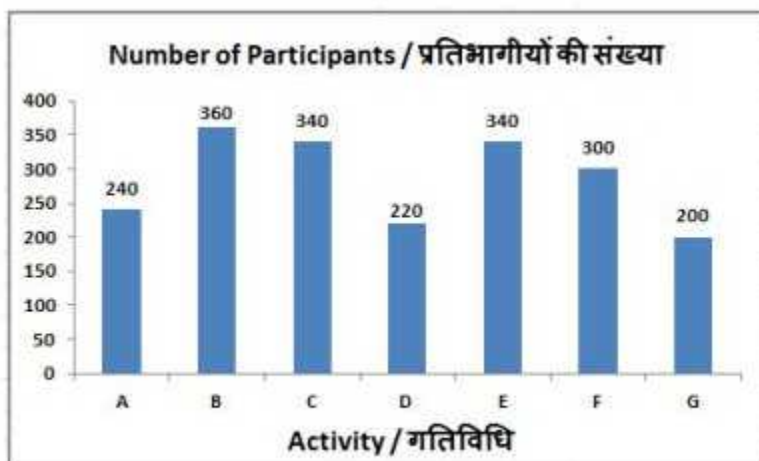
- 1) 21
- 2) 18
- 3) 12
- 4) 15

Correct Answer: 15

QID : 17 -

The bar graph shows how many visitors participated in which adventure activity during their stay in an adventure resort. Study the diagram and answer the following questions.

यह बार ग्राफ दर्शाता है कि एक साहसिक रिसोर्ट में अपने निवास के दौरान कितने यात्रियों ने किन-किन साहसिक गतिविधियों में भाग लिया था। इस आरेख का अध्ययन करें और निम्नलिखित प्रश्नों के उत्तर दें।



Which adventure activity had the second lowest number of participants?

Options:

- 1) F
- 2) A
- 3) D
- 4) G

Correct Answer: D

QID : 18 -

SSC CHSL (10+2) Printed Study Kit



- 100% CHSL Exam Syllabus Covered
- 5 Books, 1000+ Pages
- 4500+ MCQs
- Solved Papers & Mock Tests (PDF Copy)
- 1 Year Current Affairs (PDF Copy)

50% OFF
₹ 4,000/-
₹ **1,999/-**

FREE SHIPPING 

for Exam Help Call Us at: +91 8800734161

 **SSCPORTAL.IN**
India's Largest Online Community for SSC CHSL Exam Preparation

What you will get:

- 100% CHSL Exam Syllabus Covered
- 5 Booklets
- More Than 1000+ Pages
- 4500+ MCQs
- Previous Solved Papers
- Current Affairs for Exam
- Guidance & Support from Our Experts

Price of the Kit:

~~Rs. 4,000~~

Rs. 1,999/-
(Limited time Offer)

 **Buy Online**

Net Banking

Order Online (100% Safe)

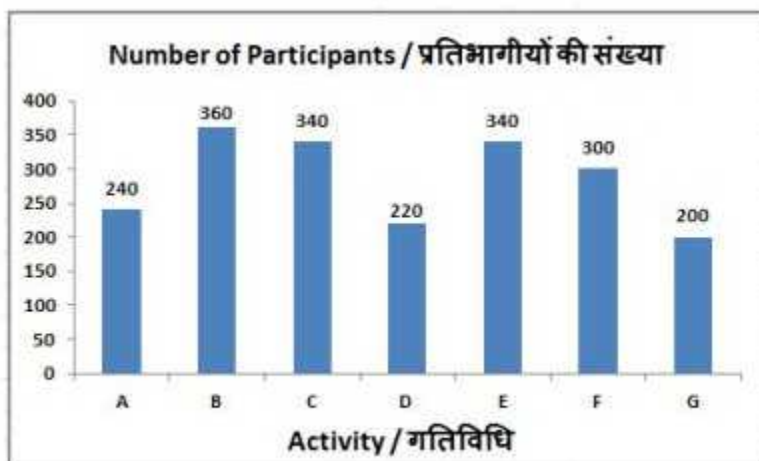
[Click here for Other Payment Options \(Cash/NEFT/etc\)](#)

FOR MORE DETAILS CLICK HERE

50% OFF

The bar graph shows how many visitors participated in which adventure activity during their stay in an adventure resort. Study the diagram and answer the following questions.

यह बार ग्राफ दर्शाता है कि एक साहसिक रिसोर्ट में अपने निवास के दौरान कितने यात्रियों ने किन-किन साहसिक गतिविधियों में भाग लिया था। इस आरेख का अध्ययन करें और निम्नलिखित प्रश्नों के उत्तर दें।



What is the ratio of participants of activity G to participants of activity B?

Options:

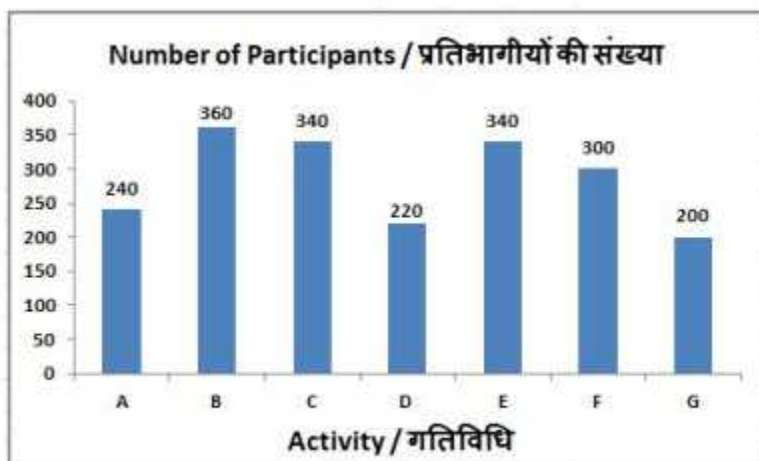
- 1) 9 : 5
- 2) 12 : 7
- 3) 5 : 9
- 4) 7 : 12

Correct Answer: 5 : 9

QID : 19 -

The bar graph shows how many visitors participated in which adventure activity during their stay in an adventure resort. Study the diagram and answer the following questions.

यह बार ग्राफ दर्शाता है कि एक साहसिक रिसोर्ट में अपने निवास के दौरान कितने यात्रियों ने किन-किन साहसिक गतिविधियों में भाग लिया था। इस आरेख का अध्ययन करें और निम्नलिखित प्रश्नों के उत्तर दें।



Participants of activity A were lesser than that of F by _____%.

Options:

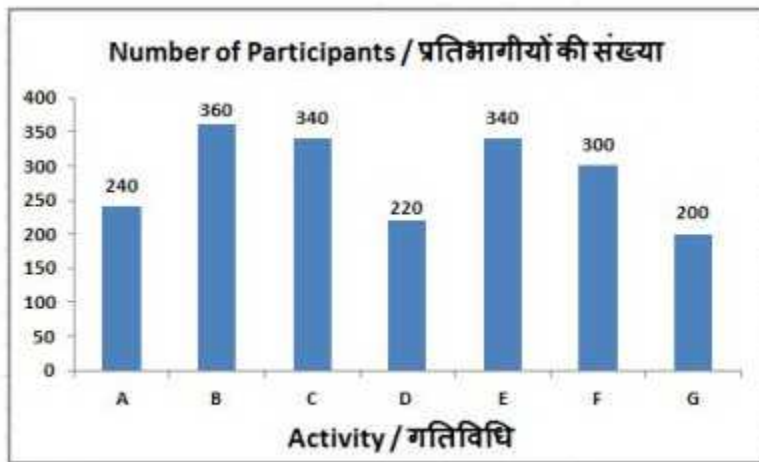
- 1) 25
- 2) 30
- 3) 20
- 4) 35

Correct Answer: 20

QID : 20 -

The bar graph shows how many visitors participated in which adventure activity during their stay in an adventure resort. Study the diagram and answer the following questions.

यह बार ग्राफ दर्शाता है कि एक साहसिक रिसोर्ट में अपने निवास के दौरान कितने यात्रियों ने किन-किन साहसिक गतिविधियों में भाग लिया था। इस आरेख का अध्ययन करें और निम्नलिखित प्रश्नों के उत्तर दें।



If 30% of participants of activity F had chosen to participate in activity G instead then the number of participants of G would have increased (in percent) by?

Options:

- 1) 90
- 2) 55
- 3) 45
- 4) 60

Correct Answer: 45

QID : 21 - The perimeter and the breadth of a rectangle are 82 cm and 20 cm respectively. Calculate the length of its diagonal (in cm).

Options:

- 1) 58
- 2) 21
- 3) 42
- 4) 29

Correct Answer: 29

QID : 22 - Find the circumference (in cm) of a circle of radius 7 cm.

Options:

- 1) 56
- 2) 44
- 3) 16
- 4) 32

Correct Answer: 44

QID : 23 - The volume of a hemisphere is 89.83 cm^3 . Find its diameter (in cm).

Options:

- 1) 3.5
- 2) 7
- 3) 14
- 4) 10.5

Correct Answer: 7

QID : 24 - ABC is right angled at B. If $m\angle C = 45^\circ$, then find the value of $(\operatorname{cosec} A - 3)$.

Options:

- 1) $(4 - 3)/2$
- 2) $2 - 3$
- 3) $- 3/2$
- 4) $(6 - 1)/ 3$

Correct Answer: 2- 3

QID : 5 - In $\triangle PQR$ measure of angle Q is 90° . If $\sin P = 12/13$, and $PQ = 1 \text{ cm}$, then what is the length (in cm) of side QR?

Options:

- 1) 2.6
- 2) 3
- 3) 2.4
- 4) 4

Correct Answer: 2.4



Study Material for SSC CGL (Tier-1) Examination	English	CLICK HERE
Study Kit for SSC CGL (Tier-2) Exam	English	CLICK HERE
Study Kit for SSC CHSL (10+2) Examination	English	CLICK HERE
Study Kit for SSC Stenographers (Grade 'C' & 'D')	English	CLICK HERE
Study Kit for Multitasking (Non-Technical) - MTS	English	CLICK HERE
Study Kit for SSC Constables (GD) Exam	English	CLICK HERE
Study Kit For SSC Sub-Inspectors in Delhi Police, CAPFs, CISF	English	CLICK HERE
Study Kit for SSC Junior Engineer Exam (Paper-1)	English	CLICK HERE
IAS EXAMS STUDY MATERIALS		
Study Kit for IAS (Pre) GENERAL STUDIES Paper-1 (GS)	English	CLICK HERE
Study Kit for IAS (Pre) CSAT Paper-2(Aptitude)	English	CLICK HERE
सामान्य अध्ययन (GS) प्रारंभिक परीक्षा (Pre) पेपर-1	हिन्दी	CLICK HERE
आई. ए. एस. (सी-सैट) प्रारंभिक परीक्षा पेपर -2	हिन्दी	CLICK HERE
Gist of NCERT Study Kit For UPSC Exams	English	CLICK HERE
यूपीएससी परीक्षा के लिए एनसीईआरटी अध्ययन सामग्री	हिन्दी	CLICK HERE