

SSC CHSL (Tier - 1) Online Exam Paper - 2017 "held on 15 March 2018"

Morning Shift (Quantitative Aptitude)

QID : 1 -

Find the unit place digit in $(192)^{102} + (193)^{103}$

$(192)^{102} + (193)^{103}$ में इकाई स्थान अंक ज्ञात करें

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

Correct Answer: 1

QID : 2 -

Find the greatest number among $(2)^{\frac{1}{3}}, (3)^{\frac{1}{2}}, 1, (5)^{\frac{1}{6}}$.

$(2)^{\frac{1}{3}}, (3)^{\frac{1}{2}}, 1, (5)^{\frac{1}{6}}$ में से सबसे बड़ी संख्या ज्ञात करें।

- 1)

$(2)^{\frac{1}{3}}$

2)

$$(3)^{\frac{1}{2}}$$

3) 1

4)

$$(5)^{\frac{1}{8}}$$

Correct Answer:

$$(3)^{\frac{1}{2}}$$

QID : 3 -

Find the value of $27a^3 + \frac{1}{a^3}$, if $9a^2 + \frac{1}{a^2} = 43$.

$27a^3 + \frac{1}{a^3}$ का मान ज्ञात करें, यदि $9a^2 + \frac{1}{a^2} = 43$ है।

1) 240

2) 280

3) 320

4) 360

Correct Answer: 280**QID : 4 -**

If $y = \sqrt{3} - \sqrt{2}$, then find the value of $\left(\frac{1}{y^3} - y^3\right)$.

यदि $y = \sqrt{3} - \sqrt{2}$ है, तो $\left(\frac{1}{y^3} - y^3\right)$ का मान ज्ञात करें।

1) 11

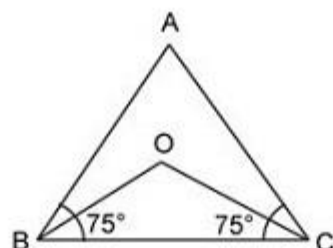
2) $11\sqrt{2}$

3) 22

4) $22\sqrt{2}$ **Correct Answer: $22\sqrt{2}$** **QID : 5 -**

In the given figure, the angle bisectors of B and C of an isosceles triangle intersect at point O. Find the angle BOC (in degree), when $\angle ABC = \angle ACB = 75^\circ$.

दी गयी आकृति में, समद्विबाहु त्रिभुज के कोण B और कोण C के समद्विभाजक O बिंदु पर मिलते हैं। कोण BOC का मान (डिग्री में) ज्ञात करें, जब $\angle ABC = \angle ACB = 75^\circ$ है।



- 1) 105
- 2) 147.5
- 3) 160
- 4) 170

Correct Answer: 105

QID : 6 - Find the in-radius (in cm) of an equilateral triangle whose sides are 6 cm each.

- 1) $\sqrt{3}$
- 2) $2\sqrt{3}$
- 3) $3\sqrt{3}$
- 4) $4\sqrt{3}$

Correct Answer: $\sqrt{3}$

QID : 7 - What is the value of 64% of 75% of 8100?

- 1) 4212
- 2) 3426
- 3) 2916
- 4) 3888

Correct Answer: 3888

QID : 8 - If $A : B = 3 : 5$, then what is the value of $A + B : B$?

- 1) 2 : 1
- 2) 6 : 5
- 3) 8 : 5
- 4) 8 : 3

Correct Answer: 8 : 5

QID : 9 - In a mixture, water and milk are in the ratio of 3 : 5. In the second mixture, the ratio of water and milk is 9 : 11. If these two mixtures be mixed to form a new mixture in which water and milk are in ratio 5 : 7, then what is the ratio of these two mixtures in the new mixture?

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

Correct Answer: 4 : 5

QID : 10 - The average of 10 numbers is 30. If at the time of calculation one number was wrongly taken as 36 instead of 69, then what will be the correct average?

- 1) 33
- 2) 33.3
- 3) 36
- 4) 39

Correct Answer: 33.3

QID : 11 - Two equal sum are invested in two different schemes. One scheme gives simple interest and the other gives compound interest (annual compounding). The sum of interest obtained after 2 years from both the schemes is Rs 3717. If both scheme have 13% per annum interest rate, then what is the first year interest (in Rs) for simple interest scheme?

- 1) 900
- 2) 1200
- 3) 1500
- 4) 600

Correct Answer: 900

QID : 12 - If 70% of total articles are sold at a profit of 20% and remaining articles are sold at a loss of 20%, then what will be the overall profit percentage?

- 1) 8
- 2) 12
- 3) 16
- 4) 6

Correct Answer: 8

QID : 13 - A shopkeeper purchased a chair whose marked price is Rs 1400, at two successive discount of 20% and 30% respectively. If he sells the chair for Rs 1176, then what is the profit percentage?

- 1) 50
- 2) 33.33

3) 37.5

4) 57.5

Correct Answer: 50

QID : 14 -

What is the value of $\frac{\sqrt[3]{64} \times \sqrt{121}}{\sqrt{289} - \sqrt{169}}$?

$\frac{\sqrt[3]{64} \times \sqrt{121}}{\sqrt{289} - \sqrt{169}}$ का मान क्या है?

1) 12

2) 11

3) 1/11

4) 1/12

Correct Answer: 11

QID : 15 - X is 25% more efficient than Y. If Y alone can make a chair in 10 days, then X alone can make the chair in how many days?

1) 8

2) 12

3) 12.5

4) 7.5

Correct Answer: 8

QID : 16 - A train starts moving from X at 5:00 p.m. and move towards Y with speed of 55 km/hr.

Another train starts moving from Y at 7:00 p.m. move towards X with speed of 40 km/hr. Both of them meet at 11:00 p.m. at Z. What is the ratio of XZ and YZ?

1) 33 : 16

2) 7 : 5

3) 29 : 27

4) 11 : 9

Correct Answer: 33 : 16

QID : 17 -

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

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 line graph shows the number of vacancies for accountants in a certain company. Study the diagram and answer the following questions.

यह रेखा ग्राफ एक विशिष्ट कंपनी के अकाउंटेंट के लिए रिक्तियों की संख्या को दर्शाता है। इस आरेख का अध्ययन करें और निम्नलिखित प्रश्नों के उत्तर दें।



In which year were the number of vacancies lesser than that of the previous year?

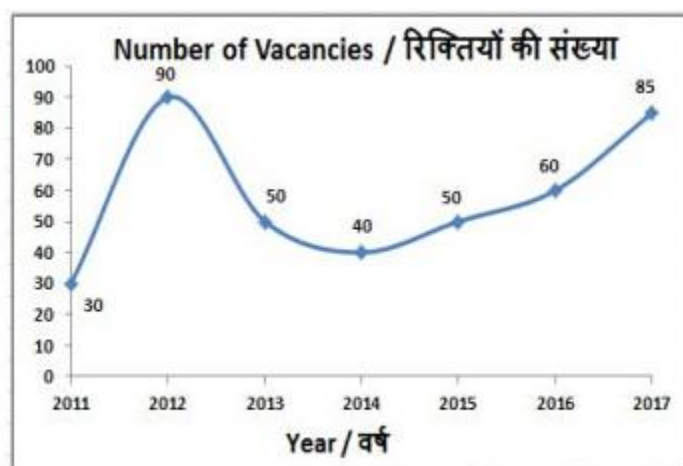
- 1) 2015
- 2) 2014
- 3) 2016
- 4) 2017

Correct Answer: 2014

QID : 18 -

The line graph shows the number of vacancies for accountants in a certain company. Study the diagram and answer the following questions.

यह रेखा ग्राफ एक विशिष्ट कंपनी के अकाउंटेंट के लिए रिक्तियों की संख्या को दर्शाता है। इस आरेख का अध्ययन करें और निम्नलिखित प्रश्नों के उत्तर दें।



What was the difference in the number of vacancies between the years 2012 and 2014?

- 1) 40
- 2) 70
- 3) 60
- 4) 50

Correct Answer: 50

QID : 19 -

The line graph shows the number of vacancies for accountants in a certain company. Study the diagram and answer the following questions.

यह रेखा ग्राफ एक विशिष्ट कंपनी के अकाउंटेंट के लिए रिक्तियों की संख्या को दर्शाता है। इस आरेख का अध्ययन करें और निम्नलिखित प्रश्नों के उत्तर दें।



The number of vacancies in 2014 were lesser than that in 2015 by _____.

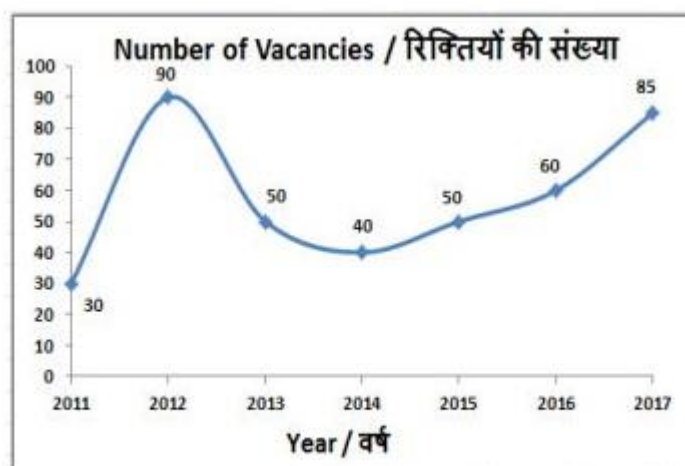
- 1) 20%
- 2) 16.7%
- 3) 10%
- 4) 8.50%

Correct Answer: 20%

QID : 20 -

The line graph shows the number of vacancies for accountants in a certain company. Study the diagram and answer the following questions.

यह रेखा ग्राफ एक विशिष्ट कंपनी के अकाउंटेंट के लिए रिक्तियों की संख्या को दर्शाता है। इस आरेख का अध्ययन करें और निम्नलिखित प्रश्नों के उत्तर दें।



The salary of an accountant in the company is Rs 40,000, then what was the increase in the expense (in Rs lakhs) due to salaries that had to be paid when posts were filled for the vacancies in the year 2014?

- 1) 12
- 2) 14
- 3) 16
- 4) 15

Correct Answer: 16

QID : 21 - The area of a square is 60.5 cm^2 . Find the length of its diagonal (in cm).

- 1) 5.5
- 2) 22
- 3) 11
- 4) 16.5

Correct Answer: 11

QID : 22 - What is the sum of the measures of all the interior angles of a regular polygon of 6 sides?

- 1) 1080
- 2) 1260

3) 1440

4) 720

Correct Answer: 720

QID : 23 - The total surface area of a cube is 181.5 cm^2 . Find its side (in cm).

1) 6.5

2) 4.5

3) 7.5

4) 5.5

Correct Answer: 5.5

QID : 24 - $\triangle XYZ$ is right angled at Y. If $m\angle Z = 45^\circ$, then find the value of $(\operatorname{cosec} X - 2/\sqrt{3})$.

1) $(2-\sqrt{3})/2\sqrt{3}$

2) $(1-\sqrt{6})/\sqrt{2}$

3) $(\sqrt{6}-2)/\sqrt{3}$

4) $-1/\sqrt{3}$

Correct Answer: $(\sqrt{6}-2)/\sqrt{3}$

QID : 25 - In $\triangle PQR$ measure of angle Q is 90° . If $\tan P = 4/3$, and $PQ = 1.5 \text{ cm}$, then what is the length (in cm) of side PR?

1) 2

2) 2.5

3) 3

4) 4.8

Correct Answer: 2.5



SSC EXAMS

PRINTED STUDY NOTES

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