



## SSC CGL 2011 Tier 1 26 June Evening II

All rights reserved. No part of this publication may be reproduced, distributed, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, or stored in any retrieval system of any nature without the permission of cracku.in, application for which shall be made to [support@cracku.in](mailto:support@cracku.in)

## General Awareness

### Instructions

For the following questions answer them individually

### Question 1

The reserves held by Commercial Banks over and above the statutory minimum, with the RBI are called

- A Cash reserves
- B Deposit reserves
- C Excess reserves
- D Momentary reserves

Answer: C

## SSC CGL Free Mock Test

### Question 2

Who is authorised to issue coins in India ?

- A Reserve Bank of India
- B Ministry of Finance
- C State Bank of India
- D Indian Overseas Bank

Answer: B

### Question 3

Which four countries are called the Asian Tigers ?

- A Hong Kong, Singapore, South Korea, Taiwan
- B Hong Kong, China, Singapore, Taiwan
- C Hong Kong, Malaysia, Singapore, China
- D Hong Kong, South Korea, China, Taiwan

Answer: A

### Question 4

In the Budget Estimates for 2011-12, an allocation of 300 crore has been made for promoting output of pulses in 60,000 villages in miffed areas with a view to, attaining self sufficiency in pulses in a period of

- A two years
- B three years
- C four years
- D five years

Answer: B

## SSC CGL Previous Papers (DOWNLOAD PDF)

### Question 5

In the budget for 2011-12 presented by the Finance Minister on 28-2-2011, the growth rate for the year 2010-11 was projected at

- A 7.6%
- B 8.0%
- C 8.6%
- D 9.0%

Answer: C

### Question 6

The 'breakeven' point is where

- A marginal revenue equals marginal cost
- B average revenue equals average cost
- C total revenue equals total cost
- D None of the above

Answer: C

### Question 7

The method of Impeachment of the President of India is adopted from

- A U.S.A.
- B U.K.
- C U.S.S.R.
- D France

Answer: A

## SSC CGL Tier-2 Previous Papers PDF

### Question 8

In the Eighth Schedule of the Constitution of India, which languages were added subsequently in 1967 & 1992?

- A English, Sindhi, Marathi, Sanskrit
- B Sanskrit, Sindhi, Konkani, Manipuri
- C Sindhi, Konkani, Manipuri, Nepali
- D Marathi, Oriya, Konkani, Nepali

Answer: C

**Question 9**

**Indian Parliament Means**

- A Rajya Sabha and Lok Sabha
- B Rajya Sabha, Lok Sabha and Prime Minister
- C President of India, Rajya Sabha and Lok Sabha
- D President of India, Vice President of India, Lok Sabha and Rajya Sabha

**Answer: C**

**Question 10**

**Generally, the soil of the northern plains of India has been formed by**

- A degradation
- B aggradation
- C weathering in situ
- D erosion

**Answer: B**

**200 SSC Mocks for just Rs. 249 - Enroll now**

**Question 11**

**Hiuen Tsang visited India during the reign of**

- A Chandragupta I
- B Chandragupta II
- C Harshavardhana
- D Rudradaman

**Answer: C**

**Question 12**

**The Muslim adventurer who destroyed the Nalanda University was**

- A Allauddin Khilji
- B Muhammad bin Tughlak
- C Muhammad bin Bhaktiyar
- D Muhammad bin Quasim

**Answer: C**

**Question 13**

**Painting reached its highest level of development during the reign of**

- A Akbar
- B Aurangzeb
- C Jahangir
- D Shah Jahan

**Answer: C**

## SSC CGL Important Questions PDF

### Question 14

The communal electorate was introduced for the first time in India in

- A 1919
- B 1935
- C 1906
- D 1909

**Answer: D**

### Question 15

The two states which had non Congress Ministries in 1937 were

- A Bengal and Punjab
- B Punjab and NWFP
- C Madras and Central Provinces
- D Bihar and Uttar Pradesh

**Answer: A**

### Question 16

Sea breeze is formed during

- A Day time
- B Night time
- C Both
- D Seasonal

**Answer: A**

**1500 + Free Must Solved SSC Questions (With Solutions)**

### Question 17

What percentage of world's freshwater is stored as glacial ice ?

- A 50%
- B 10%
- C 70%
- D 30%

**Answer: C**

**Question 18**

**Which one of the following rivers of India does not make a delta ?**

- A Ganges
- B Godavari
- C Mahanadi
- D Tapti

**Answer: D**

**Question 19**

**Which state has the longest coastline?**

- A Maharashtra
- B Tamil Nadu
- C Gujarat
- D Andhra Pradesh

**Answer: C**

**General Science Notes for SSC CGL**

**Question 20**

**The pass located in Himachal Pradesh is**

- A Shipki la
- B Zojila
- C Nathula
- D Jelepala

**Answer: A**

**Question 21**

Match the following and select the correct answer from the codes given below :

**Crops and Producing state**

- a. Tea 1. Himachal Pradesh
- b. Sugarcane 2. Assam
- c. Groundnut 3. Uttar Pradesh
- d. Apple 4. Gujarat

A a2, b4, c1, d3

B a2, b3, c4, d1

C a3, b2, c1, d4

D a4, b3, c1, d2

**Answer: B**

**Question 22**

An example of false fruit is

A Apple

B Guava

C Mango

D Tomato

**Answer: A**

**Free SSC Study Material (18,000 Solved Questions)**

**Question 23**

Normal fasting blood sugar level per 100 nil. of blood in man is

A 30 - 50 mg

B 50 - 70 mg

C 80 100 mg

D 120 140 mg

**Answer: C**

**Question 24**

Rate of interest is determined by

A The rate of return on the capital invested

B Central Government

C Liquidity preference

D Commercial Banks

**Answer: C**

**Question 25**

The vector of disease sleeping sickness is

- A sandfly
- B housefly
- C fruitfly
- D tsetse fly

**Answer: D**

**SSC Exam Free Videos (Youtube)**

**Question 26**

For how many years have the dinosaurs been extinct ?

- A About 25 million years
- B About 65 million years
- C About 100 million years
- D About 135 million years

**Answer: B**

**Question 27**

A geostationary satellite revolves round the earth from

- A East to West
- B West to East
- C North to South
- D South to North

**Answer: B**

**Question 28**

Among the following materials sound travels fastest in

- A Steel
- B Air
- C Vacuum
- D Water

**Answer: A**



**Question 29**

The rear side of the moon was photographed by

- A Viking I
- B Viking II
- C Luna III
- D Mariner IX

**Answer: C**

**Question 30**

Which phenomenon do bats or dolphins use to find prey, predators or obstacles ?

- A Refraction of sound
- B Formation of beats
- C Scattering of sound
- D Echo location

**Answer: D**

**Question 31**

What did the first electronic digital computer contain?

- A Transistors
- B Valves
- C Core memory
- D Semiconductor memory

**Answer: B**

**Daily Free SSC Practice Set**

**Question 32**

Microsoft Office's personal information manager is

- A Outlook
- B Internet Explorer
- C Organizer
- D Access

**Answer: A**

**Question 33**

Hard steel contains

- A 2 to 5 per cent carbon
- B 0.5 to 1.5 per cent carbon
- C 0.1 to 0.4 per cent carbon
- D 0.01 to 0.04 per cent carbon

**Answer: B**

**Question 34**

**Cement is formed by strongly heating a mixture of**

- A limestone and graphite
- B limestone and clay
- C chalk and graphite
- D clay and graphite

**Answer: B**

## SSC CGL Free Online Coaching

**Question 35**

**What is the Glass?**

- A superheated solid
- B supercooled liquid
- C supercooled gas
- D superheated liquid

**Answer: B**

**Question 36**

**The temperature of oxyacetylene flame is around**

- A 2800°C
- B 3200°C
- C 4000°C
- D 1500°C

**Answer: B**

**Question 37**

**Which is the most stable ecosystem ?**

- A Desert
- B Ocean

C Mountain

D Forest

Answer: A

## SSC CHSL Previous Question papers (download pdf)

Question 38

Lambert's law is related to

A Reflection

B Refraction

C Interference

D Illumination

Answer: D

Question 39

The coral reefs are the marine counterparts of

A Temperate forests

B Tropical rain forests

C Savannahs

D Scrubland

Answer: B

Question 40

The Refrigerant 'FREON' is

A Calcium Tetra Fluoride

B Difluoro Dichloro Methane

C Fluorspar and Felspar

D Hydrofluosilicic Acid

Answer: B

## Free SSC Study Material (18,000 Solved Questions)

Question 41

In the budget speech on February 28, 2011, the Finance Minister has announced that an international award with prize money of Rs. 1 crore is being instituted in the memory of Rabindranath Tagore for promoting

A international peace

B emancipation of underprivileged

C universal brotherhood

D human rights

**Answer: C**

**Question 42**

The strong earthquake cum tsunami which has moved Japan's main island Honshu by a few feet has also caused Earth's axis to wobble by about

A 1 inch

B 2 inches

C 4 inches

D 6 inches

**Answer: C**

**Question 43**

WIKILEAKS, a whistleblowers website is an international organisation based in

A U.S.A.

B U.K.

C Sweden

D Norway

**Answer: C**

**Latest Job Updates on Telegram - Join here**

**Question 44**

'Nomadic Elephant' was the joint military exercise between India and which country?

A China

B U.S.A.

C Russia

D Mongolia

**Answer: D**

**Question 45**

The maximum limit on poll expenditure for parliamentary constituencies has been raised in February, 2011 to

A 30 lakhs

B 35 lakhs

C 40 lakhs

D 50 lakhs

**Answer: C**

**Question 46**

**Who received Sangeet Natak Akademi's Ustad Bismillah Khan Yuva Puraskar for Dance in 2009 ?**

- A Omkar Shrikant Dadarkar
- B Ragini Chander Sarkar
- C Abanti Chakravorty and Sukracharya Rabha
- D K. Nellai Manikandan

**Answer: B**

**SSC CGL Free Mock Test**

**Question 47**

**Which folk dance is associated with Jammu and Kashmir ?**

- A Jhora
- B Veedhi
- C Rauf
- D Suisini

**Answer: C**

**Question 48**

**Which of the following books has been written by Kamala Das ?**

- A Witness the Night
- B The Red Devil
- C Earth and Ashes
- D Tonight This Savage Rite

**Answer: D**

**Question 49**

**Who invented the Jet Engine ?**

- A Karl Benz
- B Sir Frank Whittle
- C Thomas Savery
- D Michael Faraday

**Answer: B**

## SSC CGL Previous Papers (DOWNLOAD PDF)

### Question 50

South South dialogue is associated with

- A Cooperation among developing nations
- B Arms conference
- C Summit meeting between developed and developing countries
- D All the above

Answer: A

## SSC CGL Tier-2 Previous Papers PDF

### English

#### Instructions

In the following questions,, some of the sentences have errors and some are correct. Find out which part of a sentence has an error. The number of that part is you answer. If a sentence is free from errors, then your answer is (d) i.e., No error.

#### Question 51

If you had told me (a) I would have helped you (b) solve the problem. (c) No error (d)

- A If you had told me
- B I would have helped you
- C solve the problem
- D No error

Answer: D

## 200 SSC Mocks for just Rs. 249 - Enroll now

#### Question 52

"The Arabian Nights" (a) are indeed (b) an interesting book. (c) No error (d)

- A The Arabian Nights
- B are indeed
- C an interesting book
- D No error

Answer: B

#### Question 53

He (a) loved her (b) despite of himself. (c) No error (d)

- A He

- B loved her
- C despite of himself
- D No error

Answer: C

**Question 54**

Of all the models (a) Jessica is (b) the more goodlooking one. (c)No error (d)

- A Of all the models
- B Jessica is
- C the more goodlooking one
- D No error

Answer: C

## SSC CGL Important Questions PDF

**Question 55**

When I went there (a) Charles is playing (b)a game of chess.(c)No error (d)

- A When I went there
- B Charles is playing
- C a game of chess
- D No error

Answer: B

**Instructions**

In the following questions, sentences are given with blanks to be filled in with an appropriate words. Four alternatives are suggested for each question. Choose the correct alternative out of the four.

**Question 56**

\_\_\_\_\_your instructions, we have closed your bank account.

- A In lieu of
- B With regard to
- C In accordance with
- D On account of

Answer: C

**Question 57**

\_\_\_\_\_she is clever, she often makes mistakes.

- A Despite

- B Since
- C Although
- D Yet

**Answer: C**

## 1500 + Free Must Solved SSC Questions (With Solutions)

**Question 58**

Do you prefer \_\_\_\_\_ or traditional art forms ?

- A archaic
- B contemporary
- C foreign
- D simultaneous

**Answer: B**

**Question 59**

The farmers \_\_\_\_\_ their farms, if they had known that a thunderstorm was approaching.

- A will leave
- B would leave
- C will have left
- D would have left

**Answer: D**

**Question 60**

The Paralympics is a competition for the \_\_\_\_\_.

- A disadvantaged
- B discouraged
- C disabled
- D despised

**Answer: C**

## General Science Notes for SSC CGL

**Instructions**

In the following questions, out of the four alternatives, choose the one which best expresses the meaning of the given word.

**Question 61**

**Poignant**



- A showy
- B sad
- C silly
- D snobbish

**Answer: B**

**Question 62**

**Querulous**

- A critical
- B curious
- C complaining
- D ambiguous

**Answer: C**

**Question 63**

**Audacious**

- A brilliant
- B powerful
- C bold
- D frightening

**Answer: C**

**Free SSC Study Material (18,000 Solved Questions)**

**Question 64**

**Perilous**

- A hazardous
- B rigorous
- C resilient
- D requisite

**Answer: A**

**Question 65**

**Reverie**

- A determination
- B daydream

- C reality
- D realization

**Answer: B**

**Instructions**

In the following questions, choose the word opposite in meaning to the given word.

**Question 66**

**Autonomous**

- A selfgovernment
- B dependent
- C defensive
- D neutral

**Answer: B**

**SSC Exam Free Videos (Youtube)**

**Question 67**

**Deceitful**

- A sincere
- B useful
- C plain
- D honest

**Answer: D**

**Question 68**

**Exonerate**

- A admit
- B release
- C convict
- D reject

**Answer: C**

**Question 69**

**Exaggerate**

- A underwrite
- B understate
- C ignore

D condemn

Answer: B

## SSC Free Preparation App

Question 70

Controversial

A indisputable

B restrained

C controlled

D appeasing

Answer: A

Instructions

In the following questions, four alternatives are given for the meaning of the given Idiom/Phrase. Choose the alternative which best expresses the meaning of the Idiom/Phrase.

Question 71

To strain every nerve

A to make utmost efforts

B to feel weak and tired

C to be a diligent worker

D to be methodical in work

Answer: A

Question 72

To flog a dead horse

A to whip a dead horse

B to attempt to do the impossible

C waste one's efforts

D to take advantage of a weakness

Answer: B

## Daily Free SSC Practice Set

Question 73

To show a clean pair of heels

A to hide

B to escape

C to pursue

D to follow

Answer: B

**Question 74**

**To die in harness**

A premeditated murder

B dying young in an accident

C to die while in service

D to be taken by surprise

Answer: C

**Question 75**

**To feather one's nest**

A to make a residential house

B something that lasts for a short time

C to profit in a dishonest way

D None of the above

Answer: C

## SSC CGL Free Online Coaching

**Instructions**

In the following questions, a sentence or bold part there of is given which may need improvement. Alternatives are given as (a), (b) and (c) below, which may be a better option. In case no improvement is needed, your answer is (d)

**Question 76**

**A taller Sikh rushed forward than any of his comrades.**

A A Sikh, taller than any of his comrades, rushed forward

B A Sikh rushed forward taller than any of his comrades

C A Sikh rushed forward than any of his comrades taller

D No improvement

Answer: A

**Question 77**

**An author in the reign of Queen Anne who was famous lived in a cottage.**

A An author in the reign, who was famous, of Queen Anne lived in a cottage

B In the reign of Queen Anne, an author lived in a cottage, who was famous

C An author who was famous in the reign of Queen Anne lived in a cottage

D No improvement

Answer: C

Question 78

In the absence of your support, he would have lost the election.

A Lacking your support, he would have lost the election

B But for your support, he would have lost the election

C He would have lost the election, if you had not supported him

D No improvement

Answer: C

## SSC CHSL Previous Question papers (download pdf)

Question 79

My uncle is enough rich to buy a car.

A My uncle is rich enough to buy a car

B My uncle is richer enough to by a car

C My uncle is enough richer to buy a car

D No improvement

Answer: A

Question 80

Walking along the road, an old man ran over the lorry.

A Walking along the road, an old man ran behind the lorry

B Running along the road, the lorry ran over an old man

C The lorry ran over an old man walking along the road

D No improvement

Answer: C

Instructions

In the following questions, groups of four words are given. In each group, one word is correctly spelt. Find the correctly spelt word.

Question 81

A persistance

B thesaurus

C conspicuous

D renaissance

Answer: B

## Free SSC Study Material (18,000 Solved Questions)

Question 82

A acoustic

B norcoctic

C pesirnist

D permentant

Answer: A

Question 83

A impetous

B ignoable

C ingnorninious

D idiosyncresy

Answer: C

Question 84

A inconsistant

B repentant

C exponant

D excultent

Answer: B

**Latest Job Updates on Telegram - Join here**

Question 85

A demagogue

B deliverence

C delinquancy

D deliberative

Answer: A

**Instructions**

In the following questions, out of the four alternatives, choose the one which can be substituted for the given words/sentences.

**Question 86**

**A person who has no money to pay off his debts**

- A Insolvent
- B Poor
- C Destitute
- D Pauper

**Answer: A**

**Question 87**

**Words uttered impiously about God**

- A amoral
- B philosophy
- C logic
- D blasphemy

**Answer: D**

**SSC CGL Free Mock Test**

**Question 88**

**Quibble**

- A Premeditate
- B Prenominate
- C Prevaricate
- D Preponderate

**Answer: C**

**Question 89**

**One who compiles a dictionary**

- A geographer
- B lexicographer
- C lapidist
- D linguist

**Answer: B**

**Question 90**

**A test in which cells from diseased organs are removed and tested**

- A Biopsy
- B Autopsy
- C Operation
- D Amputation

**Answer: A**

## SSC CGL Previous Papers (DOWNLOAD PDF)

### Instructions

In the following passage, some of the words have been left out. First read the passage over and try to understand what it is about. Then fill in the blanks with the help of the alternatives given.

A \_\_\_(1)\_\_\_ becomes a flowing stream only \_\_\_(2)\_\_\_ there is continuity of \_\_\_(3)\_\_\_ life in a society. In \_\_\_(4)\_\_\_ words, a \_\_\_(5)\_\_\_ culture comes into \_\_\_(6)\_\_\_ when people \_\_\_(7)\_\_\_ a continuous way of life. Such \_\_\_(8)\_\_\_ expresses itself \_\_\_(9)\_\_\_ various ways in common traditions and \_\_\_(10)\_\_\_ of conduct.

### Question 91

(1)

- A civilization
- B culture
- C idea
- D philosophy

**Answer: B**

### Question 92

(2)

- A at
- B what
- C when
- D as

**Answer: C**

### Question 93

(3)

- A individual
- B nature's
- C society's
- D collective

**Answer: B**



## SSC CGL Tier-2 Previous Papers PDF

Question 94

(4)

- A different
- B difficult
- C other
- D many

Answer: C

Question 95

(5)

- A distinctive
- B unique
- C clear
- D foggy

Answer: A

Question 96

(6)

- A phase
- B existence
- C action
- D thinking

Answer: B

**200 SSC Mocks for just Rs. 249 - Enroll now**

Question 97

(7)

- A develop
- B create
- C follow
- D end

Answer: C

Question 98

(8)

A inconsistency

B uniqueness

C greatness

D continuity

Answer: D

Question 99

(9)

A in

B of

C with

D at

Answer: A

## SSC CGL Important Questions PDF

Question 100

(10)

A rules

B regulations

C norms

D laws

Answer: C

**1500 + Free Must Solved SSC Questions (With Solutions)**

### Quant

#### Instructions

For the following questions answer them individually

Question 101

A hemisphere and a cone have equal bases. If their heights are also equal, the ratio of their curved surfaces will be

A  $1:\sqrt{2}$

B  $\sqrt{2}:1$

C  $1:2$

D 2 : 1

Answer: B

Explanation:

Let the radius of hemisphere and cone be R,  
Height of hemisphere H = R.

So the height of the cone = height of the hemisphere = R

Slant height of the cone =  $\sqrt{R^2 + R^2}$

Hemisphere Curved surface area  $\frac{2\pi R^2}{2}$   
Cone Curved surface area =  $\pi R\sqrt{2}R$

$\sqrt{2} : 1$

## General Science Notes for SSC CGL

Question 102

If  $x = \sqrt{\frac{\sqrt{5}+1}{\sqrt{5}-1}}$ , then the value of  $5x^2 - 5x - 1$  is

A 0

B 3

C 4

D 5

Answer: C

Explanation:

Given :  $x = \sqrt{\frac{\sqrt{5}+1}{\sqrt{5}-1}}$

$\Rightarrow x = \sqrt{\frac{\sqrt{5}+1}{\sqrt{5}-1} \times \frac{\sqrt{5}+1}{\sqrt{5}+1}}$

$\Rightarrow x = \sqrt{\frac{(\sqrt{5}+1)^2}{5-1}}$

$\Rightarrow x = \frac{\sqrt{5}+1}{2}$  -----(i)

Squaring both sides, we get :  $x^2 = \frac{6+2\sqrt{5}}{4}$  -----(ii)

To find :  $5x^2 - 5x - 1$

$= 5(x^2 - x) - 1$

Substituting values from equations (i) and (ii), we get :

$= 5\left[\left(\frac{6+2\sqrt{5}}{4}\right) - \left(\frac{\sqrt{5}+1}{2}\right)\right] - 1$

$= 5 \times \left(\frac{6+2\sqrt{5}-2\sqrt{5}-2}{4}\right) - 1$

$= 5 \times 1 - 1 = 4$

$\Rightarrow$  Ans - (C)

Question 103

When  $2^{33}$  is divided by 10, the remainder will be

A 2

B 3

C 4

D 8

Answer: A

Explanation:

$$2^{23} = 8^{11} = 2^{11 \times 2} = 2^{22}$$

$$10 = > 10 \Rightarrow \frac{1024 \times -2}{10}$$

$$= > \frac{12}{10} \rightarrow \text{remainder } 2$$

Question 104

The value of  $3 + \frac{3^1}{3+3+3}$  is

A  $\frac{40}{11}$

B  $\frac{43}{11}$

C  $\frac{46}{11}$

D  $\frac{41}{11}$

Answer: B

Explanation:

$$3 + \frac{3^1}{3+3+3}$$

$$= 3 + \frac{3^3}{3+10}$$

$$= 3 + \frac{3^3}{10}$$

$$= 3 + \frac{30}{33}$$

$$= \frac{129}{33}$$

$$= \frac{43}{11}$$

so the answer is option B.

Free SSC Study Material (18,000 Solved Questions)

Question 105

Find the unit digit in the product  $(4387)^{245} \times (621)^{72}$ .

A 1

B 2

C 5

D 7

Answer: D

**Explanation:**

we need to find unit digit of  $(4387)^{245} \times (621)^{72}$

unit digit of  $4387^{245} = \text{unit digit of } 7^1 = 7$

unit digit of  $621^{72} = 1$

and hence  $7 \times 1 = 7$  is the unit digit for the given expression

**Question 106**

If  $\sqrt{2} = 1.4142$ , find the value of  $2\sqrt{2} + \sqrt{2} + \frac{1}{2+\sqrt{2}} + \frac{1}{\sqrt{2}+1}$

A 1.4144

B 4.9497

C 28.284

D 2.4142

**Answer: B**

**Explanation:**

Expression :  $2\sqrt{2} + \sqrt{2} + \frac{1}{2+\sqrt{2}} + \frac{1}{\sqrt{2}+1}$

$$= 2\sqrt{2} + \sqrt{2} + \left[ \frac{1}{2+\sqrt{2}} \times \frac{2-\sqrt{2}}{2-\sqrt{2}} \right] + \left[ \frac{1}{\sqrt{2}+1} \times \frac{\sqrt{2}-1}{\sqrt{2}-1} \right]$$

$$= 3\sqrt{2} + \frac{2-\sqrt{2}}{2} + \frac{\sqrt{2}-1}{1}$$

$$= \frac{1}{2} [6\sqrt{2} + 2 - \sqrt{2} + 2\sqrt{2} - 2]$$

$$= \frac{1}{2} [7\sqrt{2}]$$

$$= 3.5 \times 1.4142 = 4.9497$$

=> Ans - (B)

**Question 107**

If  $X*Y = X^2 + Y^2 - XY$  then  $11 * 13$  is

A 117

B 147

C 290

D 433

**Answer: B**

**Explanation:**

it is given that  $X*Y = X^2 + Y^2 - XY$

we need to calculate  $11*13$

$$11*13 = 11^2 + 13^2 - 11 \times 13$$

$$= 147$$

**SSC Exam Free Videos (Youtube)**

Question 108

The value of  $(3.2)^3 - 0.008$   
 $(3.2)^2 + 0.64 + 0.04$  is

- A 0
- B 2.994
- C 3.208
- D 3

Answer: D

Explanation:

we know that  $a^3 - b^3 = (a - b)(a^2 + b^2 + ab)$

$$\frac{(3.2)^3 - 0.008}{(3.2)^2 + 0.64 + 0.04}$$

$$= \frac{(3.2)^3 - (0.2)^3}{(3.2)^2 + 0.2 \times 3.2 + (0.2)^2}$$

$$= 3.2 - 0.2 \text{ (using the above mentioned theorem)}$$

$$= 3$$

Question 109

If  $a^{1/3} = 11$ , then the value of  $a^2 - 331a$  is

- A 1331331
- B 1331000
- C 1334331
- D 1330030

Answer: B

Explanation:

given that  $a^{1/3} = 11$

hence  $a = 1331$

we need to find value of

$$a^2 - 331a = 1331(1331 - 331) = 1331 \times 1000 = 1331000$$

Question 110

If  $\sqrt{1 + \frac{x}{961}} = \frac{32}{31}$ , then the value of  $x$  is

- A 63
- B 61
- C 65
- D 64

Answer: A

Explanation:

we need to find value of  $x$  and it is given to us that  $\sqrt{1 + \frac{x}{961}} = \frac{32}{31}$

$$\frac{32}{31} = \sqrt{\frac{1024}{961}}$$

hence,

$$\sqrt{1 + \frac{x}{961}} = \sqrt{\frac{1024}{961}} = \sqrt{1 + \frac{63}{961}}$$

hence  $x = 63$

## SSC Free Preparation App

### Question 111

If  $a$  and  $b$  are odd numbers, then which of the following is even ?

- A  $a + b + ab$
- B  $a + b - 1$
- C  $a + b + 1$
- D  $a + b + 2ab$

**Answer:** D

#### Explanation:

it is given that  $a$  and  $b$  are odd

sum of two odd numbers are even

$a + b = \text{even}$

if a number is multiplied by 2 it becomes an even number and hence

$2ab = \text{even}$

sum of two even numbers are even

$a + b + 2ab = \text{even}$

### Question 112

$2^{16} - 1$  is divisible by

- A 11
- B 13
- C 17
- D 19

**Answer:** C

#### Explanation:

we can write  $2^{16} - 1$  as  $16^4 - 1^4$

and we know  $a^n - b^n$  is always divisible by  $(a-b)$  and  $(a+b)$  if  $n$  is even hence

$16^4 - 1^4$  will always be divisible by  $(16-1)$  and  $(16+1)$  and hence the answer is 17

### Question 113

The average of five numbers is 34.4. The average of the first and the second number is 46.5. The average of the fourth and the fifth number is 18. What is the third number ?

- A 43

- B 42
- C 45
- D 47

**Answer: A**

**Explanation:**

$$\text{Average} = \frac{\text{total sum of elements}}{\text{number of elements}}$$

$$\text{Average of 5 numbers} = 34.4$$

$$\text{total of 5 numbers} = 34.4 \times 5 = 172$$

$$\text{Similarly total sum of 1st and 2nd number} = 46.5 \times 2 = 93$$

$$\text{Similarly total sum of 4th and 5th number} = 18 \times 2 = 36$$

$$\text{3rd Number} = 172 - (93+36) = 43$$

## Daily Free SSC Practice Set

**Question 114**

What is the least number which, when divided by 5, 6, 7, 8 gives the remainder 3 but is divisible by 9 ?

- A 1463
- B 1573
- C 1683
- D 1793

**Answer: C**

**Explanation:**

we need to find least number which, when divided by 5, 6, 7, 8 gives the remainder 3 but is divisible by 9

let the number be N

$$N = \text{LCM}(5,6,7,8)k + 3$$

$$N = 840k + 3$$

at  $k = 2$

$N = 1683$  hence 1683 is the smallest number which can be divided by 5, 6, 7, 8 and will leave remainder 3 and is also divisible by 9

**Question 115**

Three numbers are in the ratio 3 : 4 : 5. The sum of the largest and the smallest equals the sum of the second and 52. The smallest number is

- A 20
- B 27
- C 39
- D 52

**Answer: C**

**Explanation:**

as the three numbers are in ratio of 3:4:5



let the smallest number be  $3y$

greatest number be  $5y$  and other middle number be  $4y$

it is given that  $3y + 5y = 4y + 52$

$y = 13$

hence smallest number =  $3 \times 13 = 39$

**Question 116**

If the radius of a circle is increased by 50%, its area is increased by

- A 125%
- B 100%
- C 75%
- D 50%

**Answer: A**

**Explanation:**

Area of circle =  $\pi r^2$

After increasing the radius by 50%

New area of circle =  $\pi(1.5r)^2$

Hence, the area increases by 125%

**SSC CGL Free Online Coaching**

**Question 117**

A and B working separately can do a piece of work in 9 and 12 days respectively. If they work for a day alternately with A beginning, the work would be completed in

- A  $10\frac{2}{3}$
- B  $10\frac{1}{2}$
- C  $10\frac{1}{4}$
- D  $10\frac{1}{3}$

**Answer: C**

**Explanation:**

Rate of work by A =  $1/9$

Rate of work by B =  $1/12$

A works on first day and B works on second day. Hence in two days the amount of work done =  $(1/9) + (1/12) = 7/36$

In 10 days the amount of work done =  $35/36$ .

A would start working on the 11th day and needs to finish  $1/36$  th of the work.

Since A completes  $1/9$  th of the total work in a day, it would take him  $1/4$ th of the day to complete  $1/36$  th of the work.

Total time taken is 10 days and  $1/4$  th of the 11 th day.

Hence Option C is the correct answer.

**Question 118**

A and B together can do a work in 10 days. B and C together can do the same work in 6 days. A and C together can do the work in 12 days. Then A, B and C together can do the work in

- A 28 days

B 14 days

C  $\frac{5}{7}$

D  $\frac{2}{87}$

Answer: C

**Explanation:**

A and B together complete  $\frac{1}{10}$  th of work in a day.

$$\left(\frac{1}{A} + \frac{1}{B}\right) = \frac{1}{10} \text{ ----- 1}$$

B and C together complete  $\frac{1}{6}$  th of work in a day.

$$\left(\frac{1}{B} + \frac{1}{C}\right) = \frac{1}{6} \text{ ----- 2}$$

A and C together complete  $\frac{1}{12}$  th of work in a day.

$$\left(\frac{1}{A} + \frac{1}{C}\right) = \frac{1}{12} \text{ ----- 3}$$

Adding 1, 2 and 3

$$2 \times \left(\frac{1}{A} + \frac{1}{B} + \frac{1}{C}\right) = \frac{1}{10} + \frac{1}{6} + \frac{1}{12}$$

Taking LCM we get

$$\frac{1}{10} + \frac{1}{6} + \frac{1}{12} = \frac{6+10+5}{60} = \frac{21}{60}$$

$$\left(\frac{1}{A} + \frac{1}{B} + \frac{1}{C}\right) = \frac{21}{120}$$

A, B and C complete  $\frac{21}{120}$  th of the work in a day.

In 5 days they would complete  $\frac{105}{120}$  th of the work.

At the end of 6th day they would have completed  $\frac{126}{120}$  th of work (Which is greater than 1)

Hence they finish the entire work before the end of 6th day.

Out of the given options Option C suits the best.

Hence Option C is the correct answer.

**Question 119**

A does half as much work as B in three fourth of the time. If together they take 18 days to complete a work, how much time shall B take to do it alone ?

A 30 days

B 35 days

C 40 days

D 45 days

Answer: A

**Explanation:**

Three fourth of the work A is equal to half of what B had done.

$$\text{Work done by A} = \frac{1}{2} \times \frac{3}{4} \text{ Work done by B} = \frac{2}{3} \text{ Work done by B}$$

Work is completed in 18 days when both A and B work together.

$$18 \times (A + B) = 1$$

Replacing A with  $\frac{2}{3}B$

$$18 \times \left(\frac{2}{3}B + B\right) = 1$$

$$18 \times \left(\frac{5}{3}B\right) = 1$$

$$B = 30$$

Hence Option A is the correct answer.

**SSC CHSL Previous Question papers (download pdf)**

**Question 120**

If a wire is bent into the shape of a square, then the area of the square so formed is  $81 \text{ cm}^2$ . When the wire is rebent into a semicircular shape, then the area, (in  $\text{cm}^2$ ) of the semicircle will be

- A 22
- B 44
- C 77
- D 154

**Answer: C**

**Explanation:**

Area of square of side 'a' = 81 i.e. a = 9cm  
 length of this wire will be = 4a = 36cm  
 perimeter of square = perimeter of semi-circle  
 $36 = \pi r + 2r$   
 $r = 7\text{cm}$

Area of semi-circle =  $\frac{1}{2} \pi r^2 = \frac{1}{2} \pi 7^2 = 77$

**Question 121**

Marbles of diameter 1.4 cm are dropped into a cylindrical beaker containing some water and are fully submerged. The diameter of the beaker is 7 cm. Find how many marbles have been dropped in it if the water rises by 5.6 cm.

- A 50
- B 150
- C 250
- D 350

**Answer: B**

**Explanation:**

Volume of 1 marble =  $\frac{4}{3} \pi r^3 = \frac{4}{3} \pi 0.7^3$

Volume of water due to n marbles =  $\pi r^2 h = \pi 3.5^2 5.6$

No. of marbles =  $\frac{\pi 3.5^2 5.6}{\frac{4}{3} \pi 0.7^3}$   
 = 150

**Question 122**

Water is flowing at the rate of 3 km/hr through a circular pipe of 20 cm internal diameter into a circular cistern of diameter 10m and depth 2m. In how much time will the cistern be filled ?

- A 1 hour
- B 1 hour 40 minutes
- C 1 hour 20 minutes
- D 2 hours 40 minutes

**Answer: B**

**Explanation:**

Water is flowing at the rate of 3 km/hr = 3000m/hr

circular pipe's internal radius =  $20/2 \text{ cm} = \frac{1}{10} \text{ m}$

Volume of water that flows out =  $\pi r^2 h = \pi \left(\frac{1}{10}\right)^2 3000 = 30\pi$

Volume of the cylinder tank is =  $\pi r^2 h = \pi \left(\frac{10}{2}\right)^2 2 = 50\pi$

To fill the tank ,  
 Volume of water flowing out in T hrs = volume of tank  
 $30\pi T = 50\pi$   
 $T = 1.66$  hrs

## Free SSC Study Material (18,000 Solved Questions)

### Question 123

A bicycle wheel makes 5000 revolutions in moving 11 km. The diameter of the wheel, in cm, is

- A 35
- B 55
- C 65
- D 70

Answer: D

### Explanation:

The distance of 11km is covered by the perimeter of tyre by 5000 revolutions.  
 Hence,  $11 \times 1000 \times 100 = 5000 \times \pi D$   
 $D = 70$ cm

### Question 124

At each corner of a triangular field of sides 26 m, 28 m and 30 m, a cow is tethered by a rope of, length 7 m. The area (in m<sup>2</sup>) ungrazed by the cows is

- A 336
- B 259
- C 154
- D 77

Answer: B

### Explanation:

Area of the triangular field =  $\sqrt{s(s-a)(s-b)(s-c)}$ , where,  $s = \frac{a+b+c}{2}$   
 $\text{Area} = \sqrt{42(42-26)(42-28)(42-30)}$   
 $= 336$

Here radius of sectors,  $r = 7$  m and let the angle at the corners be  $x, y, z$ .  
 area that can be grazed =  $\frac{x}{360} \pi r^2 + \frac{y}{360} \pi r^2 + \frac{z}{360} \pi r^2$   
 $= \frac{x}{360} \pi r^2 + \frac{y}{360} \pi r^2 + \frac{z}{360} \pi r^2$   
 $= \frac{(x+y+z)}{360} \pi r^2$   
 $= \frac{180}{360} \frac{22}{7} 7^2$

Thus the area of the plot that can be grazed is 77 sq m.

the area that can't be grazed =  $336 - 77 = 259$

### Question 125

A shopkeeper allows 23% commission on his advertised price and still makes a profit of 10%. If he gains 56 on one item, his advertised price of the item is

- A 820

- B 780
- C 790
- D 800



Answer: D

**Explanation:**

Let, Advertised price of the item = ₹ N  
 $\therefore$  Commission on advertised price of the article = ₹  $(N \times 23)/100$   
 Price after commission =  $N - (23N/100) = ₹ 77N/100$   
 $\therefore$  CP of the item =  $[(77N/100) \times 100]/(100 + 10) = 77N/110 = ₹ 7N/10$   
 Profit =  $77N/100 - 7N/10 = ₹ 7N/100$   
 $\Rightarrow 56 = 7N/100$   
 $\therefore N = (56 \times 100)/7 = ₹ 800$

**Latest Job Updates on Telegram - Join here**

**Question 126**

The single discount equal to three consecutive discounts of 10%, 12% and 5% is

- A 26.27%
- B 24.76%
- C 9%
- D 11%

Answer: B

**Explanation:**

Let the cost price be 'X'  
 final selling price =  $X * (1 - 0.1)(1 - 0.12)(1 - 0.05)$   
 $= X * 0.7524$   
 Final discount =  $X - 0.7524X$   
 $= 24.76\%$

**Question 127**

If  $x : y = 5 : 6$ , then  $(3x - 2y) : (y - x)$  is

- A 7 : 6
- B 11 : 3
- C 3 : 1
- D 6 : 7

Answer: C

**Explanation:**

it is given that  $x : y = 5 : 6$   
 we need to find value of  $(3x - 2y) : (y - x)$   
 Now divide  $(3x - 2y)$  by  $y$  and divide  $(y - x)$  by  $y$  also  
 we get,  $\frac{3x/y - 2}{1 - x/y}$   
 use  $x/y = 5/6$

$$(3x - 2y) : (y - x) = 3 : 1$$

**Question 128**

An alloy contains copper, zinc and nickel in the ratio of 5 : 3 : 2. The quantity of nickel in kg that must be added to 100 kg of this alloy to have the new ratio 5 : 3 : 3 is

- A 8
- B 10
- C 12
- D 15

**Answer: B**

**Explanation:**

initial ratio of copper, zinc and nickel is 5 : 3 : 2. let the amount of copper be 5y and zinc be 3y and nickel be 2y

let the amount nickel added be z

new ratio of copper, zinc and nickel is 5 : 3 : 3 and total weight of alloy is (100+z)

as the value of zinc is same in both cases, we can write

$$\frac{5}{11} \times (100+z) = \frac{5}{10} \times 100$$

$$1000 + 10z = 1100$$

$$z = 100/10 = 10 \text{ kg}$$

## SSC CGL Free Mock Test

**Question 129**

The ratio of the ages of Ram and Rahim 10 years ago was 1 : 3. The ratio of their ages five years hence will be 2 : 3. Then the ratio of their present ages is

- A 1 : 2
- B 3 : 5
- C 3 : 4
- D 2 : 5

**Answer: B**

**Explanation:**

Let present ages of Ram and Rahim be  $x$  and  $y$  years respectively.

According to ques, ratio of their ages 10 years ago is :

$$\Rightarrow \frac{x-10}{y-10} = \frac{1}{3}$$

$$\Rightarrow 3x - 30 = y - 10$$

$$\Rightarrow 3x - y = 20 \text{ -----(i)}$$

Also, five years hence,  $\Rightarrow \frac{x+5}{y+5} = \frac{2}{3}$

$$\Rightarrow 3x + 15 = 2y + 10$$

$$\Rightarrow 2y - 3x = 5 \text{ -----(ii)}$$

Adding equation (i) and (ii),

$$\Rightarrow y = 20 + 5 = 25$$

Substituting it in equation (i), we get :

$$\Rightarrow 3x = 20 + 25 = 45$$

$$\Rightarrow x = \frac{45}{3} = 15$$

$$\therefore \text{Ratio of Ram and Rahim's ages} = \frac{15}{25} = \frac{3}{5}$$

$\Rightarrow$  Ans - (B)

### Question 130

The incomes of A, B and C are in the ratio 7 : 9 : 12 and their spendings are in the ratio 8 : 9 : 15. If A saves  $\frac{1}{4}$  th of his income, then the savings of A, B and C are in the ratio of

A 69 : 56 : 48

B 47 : 74 : 99

C 37 : 72 : 49

D 56 : 99 : 69

**Answer: D**

### Explanation:

let the income of A, B, C be  $7a, 9a, 12a$

and expenditure be  $8b, 9b, 15b$  respectively

saving of A =  $7a - 8b$

savings of B =  $9a - 9b$

saving of C =  $12a - 15b$

given that  $7a - 8b = \frac{7}{4}a$

$$28a - 32b = 7a$$

$$21a = 32b$$

$$b = \frac{21}{32}a$$

ratio of saving of A, B, C is :-

$$\frac{7}{4}a : 9a - \frac{9 \times 21}{32}a : 12a - \frac{15 \times 21}{32}a$$

$$56 : 99 : 69$$

### Question 131

Out of 4 numbers, whose average is 60, the first one is one-fourth of the sum of the last three. The first number is

A 15

B 45

C 48

D 60

**Answer: C**

### Explanation:

let the four numbers be  $a, b, c, d$

$$\text{average} = \frac{\text{sum}}{\text{number of elements}}$$

it is given that  $a = \frac{b+c+d}{4}$

$$\text{average} = 60$$

$$60 = \frac{5a}{4}$$

a = 48

## SSC CGL Previous Papers (DOWNLOAD PDF)

### Question 132

The average of 25 observations is 13. It was later found that an observation 73 was wrongly entered as 48. The new average is

- A 12.6
- B 14
- C 15
- D 13.8

**Answer: B**

#### Explanation:

it is given that average of 25 observation = 13

Average =  $\frac{\text{Sum of Observation}}{\text{Number of Observation}}$

13 =  $\frac{\text{Sum}}{25}$

Sum = 325

it is given that 73 is entered as 48 and hence new and corrected sum =  $325 - 48 + 73 = 350$

New and corrected average =  $\frac{350}{25} = 14$

### Question 133

If the cost price of 10 articles is equal to the selling price of 8 articles, then gain per cent is

- A 10%
- B 8%
- C 50%
- D 25%

**Answer: D**

#### Explanation:

Given,  $10CP = 8SP$ . So,  $SP = \frac{10}{8} \times CP$

Gain% =  $\frac{SP - CP}{CP} \times 100$

=  $\frac{\frac{10}{8} \times CP - CP}{CP} \times 100$

= 25%

### Question 134

An article is marked 40% above the cost price and a discount of 30% is allowed. What is the gain or loss percentage ?

- A 10% gain
- B 5% gain
- C 2% loss
- D 12% loss

**Answer: C**

#### Explanation:



Let the cost price be 100.  
so marked price will be 140  
due to 30% discount, selling price is  $(1 - 0.3) \times 140 = 98$   
Hence, change =  $98 - 100 = -2\% = 2\%$  loss

## SSC CGL Tier-2 Previous Papers PDF

### Question 135

A man bought oranges at the rate of 8 for 34 and sold them at the rate of 12 for 57. How many oranges should be sold to earn a net profit of 45 ?

- A 90
- B 100
- C 135
- D 150

Answer: A

#### Explanation:

Let, no. of oranges to be sold =  $x$

$$CP = \frac{34}{8}$$

$$SP = \frac{57}{12}$$

we need a profit of 45rs.

$$45 = x(SP - CP)$$

$$45 = x\left(\frac{34}{8} - \frac{57}{12}\right)$$

$$x = 90$$

### Question 136

A man sells two articles for Rs. 5000 each neither losing nor gaining in the deal. If he sold one of them at a gain of 25%, the other article is sold at a loss of

- A  $15\frac{2}{3}\%$
- B  $16\frac{2}{3}\%$
- C  $17\frac{1}{3}\%$
- D  $18\frac{1}{3}\%$

Answer: B

#### Explanation:

Total S.P. = Rs. 10000 and Total C.P. = Rs. 10000.

S.P. of 1st commodity = Rs. 5000.

Gain on it = 25%. SO, C.P. of 1st commodity =  $\frac{100}{125} \times 5000 = 4000$

CP of 2nd commodity =  $10000 - 4000 = 6000$

SP of 2nd commodity = 5000

%loss =  $(6000 - 5000)/6000$

$$= 16\frac{2}{3}\%$$

### Question 137

By selling an article for 144, a person gained such that the percentage gain equals the cost price of the article. The cost price of the article is

- A 90
- B 80
- C 75
- D 60

**Answer: B**

**Explanation:**

Let x be the cost price. so the profit percent is also x.

Given, %gain = P

$$\frac{(SP-CP)}{CP} \times 100 = CP$$

$$\frac{(144-x)}{x} \times 100 = x$$

$$x^2 + 100x - 14400 = 0$$

$$x = -180 \text{ or } x = 80$$

So, CP = 80.

**200 SSC Mocks for just Rs. 249 - Enroll now**

**Question 138**

Meera had a certain amount, she gave 15% of that amount to Anish, 32% to Rubina and 25% to Sana. 3/4 th of the remaining amount is 8,400. How much did she give Anish?

- A 6600
- B 6700
- C 6000
- D 6200

**Answer: C**

**Explanation:**

Let the total amount with Meera be Rs y

After giving 15% to Anish, 32% to Rubina and 25% to Sana, Meera is left with only 28% of the amount with her.

It is given that 3/4th of this amount is equal to 8400

So,

$$\frac{3}{4} \times \frac{28}{100} \times y = 8400$$

$$y = \text{Rs } 40,000$$

As the total amount with Meera is Rs 40,000 . 15% of y which is given to Anish will amount to  $\frac{15}{100} \times 40000 = 6000$

Hence option A is correct

**Question 139**

A reduction of 20% in the price of an apple enables a man to buy 10 apples more for 54. The reduced price of apples per dozen is

- A 4.32
- B 12.96
- C 10.80
- D 14.40

**Answer: B**

**Explanation:**

let the price per apple be Rs P

and Number of apples be N

$$PN = 54$$

Now reduction in price by 20% , the new price = 0.8 P

and due to reduction a person can buy 10 more apples in same price

$$0.8P(N+10) = 54$$

$$0.8 \times 54 + 8P = 54$$

$$8P = 10.8$$

$$P = \text{Rs } 1.35$$

cost of 12 apples after reduction in price =  $12 \times 1.35 \times 0.8 = \text{Rs } 12.96$

**Question 140**

**Price of a commodity has increased by 60%. By what per cent must a consumer reduce the consumption of the commodity so as not to increase the expenditure ?**

A 37

B 37.5

C 40.5

D 60

**Answer: B**

**Explanation:**

in such questions a consumer should reduce his consumption to  $\frac{100}{100 + R} \times 100$

as price are increased by 60%

new consumption should be =  $\frac{100}{100 + 60} \times 100$  (used + sign as the percentage has been increased) = 62.5%

hence decrease in consumption =  $100 - 62.5 = 37.5\%$

## SSC CGL Important Questions PDF

**Question 141**

**The cost of an apple is twice that of a banana and the cost of a banana is 25% less than that of a guava. If the cost of each type of fruit increases by 10%, then the percentage increase in the cost of 4 bananas, 2 apples and 3 guavas is**

A 10%

B 12%

C 16%

D 18%

**Answer: A**

**Explanation:**

let the cost of a banana be Rs b

and hence cost of an apple = 2b

and guava cost be =  $\frac{4}{3}b$

now cost of every fruit is increased by 10%

and hence

cost of a banana be Rs  $1.1b$

and hence cost of an apple =  $2.2b$

and guava cost be =  $(\frac{4.4}{3})b$

initially , 4 bananas + 2 apples + 3 guavas =  $\frac{13}{3}b$

finally , 4 bananas + 2 apples + 3 guavas =  $\frac{14.3}{3}b$

and hence percentage increment =  $\frac{(14.3-13)}{13} \times 100 = 10\%$

#### Question 142

Walking  $\frac{6}{7}$  th of his usual speed, a man is 12 minutes too late. The usual time taken by him to cover that distance is

- A 1 hour
- B 1 hour 12 minutes
- C 1 hour 15 minutes
- D 1 hour 20 minutes

Answer: B

#### Explanation:

Speed =  $s$

Time =  $t$  mins

Time taken when the man walks at  $\frac{6}{7}$  th of his speed =  $t+12$

Since distance is same the product of speed and time must be same.

$$\frac{6 \times (t+12)}{7} = t$$

$$t = 72 \text{ mins} = 1 \text{ hour and } 12 \text{ minutes}$$

Hence Option B is the correct answer.

#### Question 143

If I walk at 5 km/hour, I miss a train by 7 minutes. If, however, I walk at 6 km/hour, I reach the station 5 minutes before the departure of the train. The distance (in km between my house and the station is

- A 6
- B 5
- C 4
- D 3

Answer: A

#### Explanation:

When speed is 5 km/hour time is  $t + \frac{7}{60}$  hours

When speed is 6 km/hour time is  $t - \frac{5}{60}$  hours

Distance is same. Hence the product of speed and time must be same.

$$5(t + \frac{7}{60}) = 6(t - \frac{5}{60})$$

$$5t + \frac{7}{12} = 6t - \frac{1}{2}$$

$$t = \frac{7}{12} + \frac{1}{2}$$

$$t = \frac{13}{12} \text{ hours}$$

$$\text{Distance} = 5(t + \frac{7}{60})$$

$$= 5t + \frac{7}{12}$$

$$= 5(\frac{13}{12}) + \frac{7}{12} = \frac{72}{12}$$

$$= 6 \text{ kms.}$$

Hence Option A is the correct answer.

## 1500 + Free Must Solved SSC Questions (With Solutions)

### Question 144

800 becomes 956 in 3 years at a certain rate of simple interest. If the rate of interest is increased by 4%, what amount will 1' 800 become in 3 years ?

- A 2020.80
- B 2025
- C 2367
- D 2303

**Answer: C**

#### Explanation:

$$\text{SI for 3 years} = \frac{PRT}{100} = 956 - 800$$

$$\frac{800 \times R \times 3}{100} = 156$$

$$R = 6.5\%$$

now rate is increased by 4% and hence  $R(\text{new}) = 10.5\%$

new principal amount = Rs 1800

time = 3 years

$$\text{SI new} = \frac{1800 \times 10.5 \times 3}{100} = 567$$

$$\text{and hence amount after 3 years} = 1800 + 567 = 2367$$

### Question 145

Simple interest on a certain sum is  $\frac{16}{25}$  of the sum. The rate percent if the rate per cent and time (in years) are equal, is

- A 6%
- B 8%
- C 10%
- D 12%

**Answer: B**

#### Explanation:

it is given that Simple interest on a certain sum is  $\frac{16}{25}$  of the sum and rate of interest = time period

let the principal amount be P and rate of interest be R and time period be T

here  $R = T$

$$\frac{16}{25}P = \frac{P \times R \times T}{100}$$

as  $R = T$

$$R = 8\%$$

### Question 146

If the difference between S.I. and C.I. for 2 years on a sum of money lent at 5% is 6, then the sum is

- A 2200

- B 2600
- C 2400
- D 2000

**Answer: C**

**Explanation:**

let the principal amount be Rs P

it is given that difference between CI and SI for two years = 6

rate of interest (R) = 5%

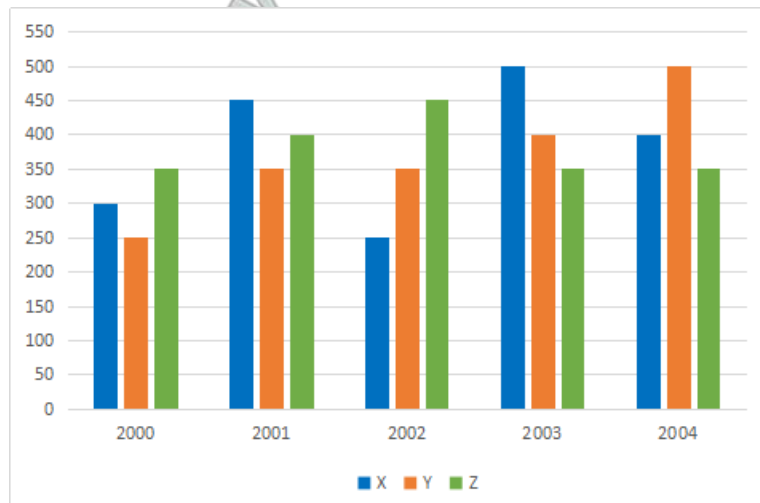
$$\frac{PR^2}{100^2} = 6$$

$$P = 2400$$

## General Science Notes for SSC CGL

**Instructions**

The following graph shows the production of wheat flour (in 1000 tonnes) by three companies X, Y and Z over the years. Study the graph and answer the questions.



**Question 147**

What is the difference between the production of company Z in 2004 and company Y in 2000 (in thousand tonnes) ?

- A 1000
- B 100
- C 10
- D 1

**Answer: B**

**Explanation:**

production of company Z in 2004 = 350 thousand crores

production of company Y in 2000 = 250 thousand crores

difference = 350 - 250 = 100 thousand crores

so the answer is option B.

**Question 148**

What is the ratio of the average production of company X in the period 2002-2004 to the average production of company Y in the same period ?

- A 1 : 1
- B 15 : 17
- C 23 : 25
- D 27 : 29

**Answer:** C

**Explanation:**

average production of company X in the period 2002-2004 =  $\frac{250+500+400}{3}=1150$

average production of company Y in the period 2002-2004 =  $\frac{350+500+400}{3}=1250$

the ratio is  $1150 : 1250 = 23 : 25$

so the answer is option C.

**Question 149**

What is the approx. percentage increase in the production of company Y from 2002 to 2003?

- A 15
- B 20
- C 25
- D 40

**Answer:** A

**Explanation:**

production of company Y in 2002 = 350

production of company Y in 2003 = 400

percentage increase =  $\frac{50}{350} \times 100 = 14.28 \sim 15\%$

so the answer is option A.

**Free SSC Study Material (18,000 Solved Questions)**

**Question 150**

The average production for five years was maximum for which company(s)?

- A X and Z both
- B Y
- C Z
- D X and Y both

**Answer:** A

**Explanation:**

Average production of X for 5yrs =  $\frac{300+450+250+500+400}{5}=380$

Average production of Y for 5yrs =  $\frac{250+350+350+500+400}{5}=370$

Average production of Z for 5yrs =  $\frac{350+400+450+350+350}{5}=380$

so the answer is option A.

## SSC Exam Free Videos (Youtube)

### Reasoning

#### Instructions

For the following questions answer them individually

#### Question 151

Procession : Route :: Earth : ?

- A Space
- B Sun
- C Orbit
- D Highway

Answer: C

#### Explanation:

Procession is moving in orderly fashion on a route, similar to that of rotation of earth is called orbit.

=> Ans - (C)

## SSC Free Preparation App

#### Question 152

FERTILIZER : CROPS :: ?

- A TEACHER: EDUCATION
- B CHLORINE : WATER
- C TONIC : BODY
- D PESTICIDE : RATS

Answer: C

#### Explanation:

A fertilizer is a substance added to increase fertility of crops, similarly a tonic helps for well being of body.

=> Ans - (C)

#### Question 153

LOCKER : KMNPBDJLDFQS :: LEFT : ?

- A KNCDSGSU
- B KMDFEGSU
- C KMDFEGUS
- D KMDEFGUS



**Answer: B**

**Explanation:**

Expression = LOCKER : KMNPBDJLDFQS

The pattern followed is that the two adjacent alphabets according to the English alphabetical series is replaced with the current letters.

Eg = Adjacent alphabets of L are KM, O -> NP, C -> BD and so on.

Similarly, for LEFT :

L -> KM

E -> DF

F -> EG

T -> SU

Thus, LEFT : **KMDFEGSU**

=> Ans - (B)

**Question 154**

**YWUS : BDFH :: WUSQ : ?**

**A** DFHJ

**B** FHJL

**C** JLNP

**D** RTVX

**Answer: A**

**Explanation:**

Expression = YWUS : BDFH :: WUSQ : ?

The words are arranged in reverse alphabetical order, i.e. first alphabet is replaced by last, second by second last and so on.

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z  
↓ ↓ ... ↓ ... ↓  
Z Y X W V U T S R Q P O N M L K J I H G F E D C B A

Similarly, for WUSQ : **DFHJ**

=> Ans - (A)

**Daily Free SSC Practice Set**

**Question 155**

**ADCB : KNML :: EHGf : ?**

**A** DGFE

**B** RUST

**C** QRST

**D** ZYXW

**Answer: A**

**Explanation:**

Expression = ADCB : KNML :: EHGf : ?

The pattern followed is =

A (+3 letters) = D (-1 letter) = C (-1 letter) = B

K (+3 letters) = N (-1 letter) = M (-1 letter) = L

E (+3 letters) = H (-1 letter) = G (-1 letter) = F

Similarly, D (+3 letters) = G (-1 letter) = F (-1 letter) = E

=> Ans - (A)

**Question 156**

**BCDF : GHIK :: LMNP : ?**

**A** QRST

**B** QRTS

**C** QRSU

**D** QRSV

**Answer: C**

**Explanation:**

Expression = BCDF : GHIK

The pattern followed is :

B	C	D	F
(+5)	(+5)	(+5)	(+5)
G	H	I	K

Similarly, for GHIK :

L	M	N	P
(+5)	(+5)	(+5)	(+5)
Q	R	S	U

=> Ans - (C)

**Question 157**

**IC : 6 :: DP : ?**

**A** 14

**B** 10

**C** 12

**D** 16

**Answer: C**

**Explanation:**

Expression = IC : 6 :: DP : ?

The positive difference between the numbers represented by the alphabets in the alphabetical order is given.

Eg = IC = 9 - 3 = 6

Similarly, DP = 16 - 4 = 12

=> Ans - (C)

Question 158

ABCD : WXYZ : EFGH : ?

- A STUV
- B ZYXW
- C VUTS
- D WXYZ

Answer: A

**Explanation:**

Expression = ABCD : WXYZ : EFGH : ?

The code when written in reverse order represents alphabets in reverse alphabetical order.

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z  
 ↓ ↓ ... ↓ ↓  
 Z Y X W V U T S R Q P O N M L K J I H G F E D C B A

Eg = Reverse code of ABCD = ZYXW

Similarly, for EFGH :

- E -> V
- F -> U
- G -> T
- H -> S

Thus, in reverse order EFGH : **STUV**

=> Ans - (A)

Question 159

83 : 25 :: 29 : ?

- A 44
- B 49
- C 40
- D 63

Answer: B

**Explanation:**

Expression = 83 : 25 :: 29 : ?

The second number is the square of the difference of the digits of first number.

Eg :-  $(8-3)^2 = (5)^2 = 25$

Similarly,  $(2-9)^2 = (-7)^2 = 49$

=> Ans - (B)

**Instructions**

In each of the following questions, find the odd number / letters / word from the given alternatives.

Question 160

- A Ladder
- B Staircase

- C Bridge
- D Escalator

**Answer:** C

**Explanation:**

Ladder, staircase and escalator contain stairs, while a bridge is used for vehicles.

=> Ans - (C)

## SSC CHSL Previous Question papers (download pdf)

**Question 161**

- A Travelling
- B Walking
- C Sleeping
- D Running

**Answer:** C

**Explanation:**

Travelling, Walking and running are synonyms which involves covering a certain distance, hence sleeping in the odd one out.

=> Ans - (C)

**Question 162**

- A DWHS
- B BYDW
- C CWFS
- D EVJQ

**Answer:** C

**Explanation:**

Except CWFS in all others first and second letters are opposite to each other and the third and fourth letters are opposite to each other.

ABCDEFGHIJKLMNOPQRSTUVWXYZ  
↓ ↓ ... ↓  
ZYXWVUTSRQPONMLKJIHGFEDCBA

=> Ans - (C)

**Question 163**

- A DHLP
- B TXBF
- C JNRV
- D YBEH

**Answer:** D

**Explanation:**

(A) : D (+4 letters) = H (+4 letters) = L (+4 letters) = P

(B) : T (+4 letters) = X (+4 letters) = B (+4 letters) = F

(C) : J (+4 letters) = N (+4 letters) = R (+4 letters) = V

(D) : Y (+3 letters) = B (+3 letters) = E (+3 letters) = H

=> Ans - (D)

## Free SSC Study Material (18,000 Solved Questions)

### Question 164

A 1

B 65

C 8

D 64

**Answer: B**

#### Explanation:

Except 65, all others are cube numbers, hence it is the odd one out.

=> Ans - (B)

#### Instructions

For the following questions answer them individually

### Question 165

Find the number that does not belong to the group of numbers for lack of common property.

A 945

B 625

C 743

D 853

**Answer: B**

#### Explanation:

Among the given numbers, only 625 is a perfect square, hence it is the odd one out.

=> Ans - (B)

### Question 166

Find out the set of numbers amongst the four sets of numbers given in the alternatives which is most like the set given in the question.

Given Set : (8, 56, 72)

A (7, 56, 63)

B (3, 15, 24)

C (6, 42, 54)

D (5, 30, 35)

**Answer: C**

#### Explanation:

(8, 56, 72)  
follows the pattern  
(8,  $8 \times 7$ ,  $8 \times 9$ )  
So (6, 42, 54) is similar to (8, 56, 72)  
as it follows the pattern  
(6,  $6 \times 7$ ,  $6 \times 9$ )

**Latest Job Updates on Telegram - Join here**

**Question 167**

In the following question, number of letters are skipped in between by a particular rule. Which of the following series observes the rule?

- A AEJOTY
- B AFKPUZ
- C AFKPTY
- D AEINRV

**Answer: B**

**Explanation:**

In option B i.e AFKPUZ  
the second letter is obtained by moving first letter five steps forward  
the third letter is obtained by moving first letter five steps forward  
and so on So option B is correct

**Question 168**

Insert the correct missing number from the choices given below

- A 36
- B 15
- C 51
- D 69

**Answer: B**

**Question 169**

Arrange the following words as per order in the dictionary.

1. Noble
2. Nobffitary
3. Noblesse
4. Nobility
5. Nobble

A 1,4,3,2,5

B 3,4,1,2,5

C 5,2,4,1,3

D 2,4,3,5,1

Answer: C

**Explanation:**

All the word given here start with 'Nob'.

Thus, we will start with the fourth letter of each word i.e. 'l,f,l,i,b'

Arranging them, we get : b < f < i < l,l

Also, noble < noblesse

=> As per order in dictionary : 5,2,4,1,3

Ans - (C)

**SSC CGL Free Mock Test**

**Question 170**

Which one set of letters when sequentially placed at the gaps in the given letter series shall complete it? an\_nn\_anananan\_a

A annan

B aanan

C nanna

D naana

Answer: B

**Instructions**

In each of the following questions a series is given, with one/two term(s) missing. Choose the correct alternative from the given ones that will complete the series.

**Question 171**

MNOABCPQRDEFST? ?

A GK

B UV

C GH

D UG

Answer: D

**Explanation:**

In the given question there are two series

Series 1

MNO,PQR,STU,

Series 2

ABC,DEF,GHI

So missing letters are

UG

**Question 172**

$$5 \ 9 \ ? = 84$$

$$8 \ 6 \ 4 = 56$$

$$7 \ 3 \ 7 = 70$$

A 4

B 7

C 5

D 6

**Answer: D**

**Explanation:**

The Series follows the pattern

$$(7 + 3) \times 7 = 70$$

$$(8 + 6) \times 4 = 56$$

$$\text{Similarly } 14? = 84$$

$$? = 6$$

**SSC CGL Previous Papers (DOWNLOAD PDF)**

**Question 173**

9, 8, 10, 16, 11, ?, 12, 64

A 28

B 36

C 25

D 32

**Answer: D**

**Explanation:**

In the given question there are two series

Series 1

$$8, 8 \times 2 = 16, 16 \times 2 = 32, 32 \times 2 = 64$$

Series 2

9, 10, 11, 12

So option D is correct

**Question 174**

34, 18, 10, ?

A 8

B 5

C 7



D 6

Answer: D

Explanation:

$$34 - 18 = 16$$

$$18 - 10 = 8$$

So next two terms should have a difference of 4 i.e the next term should be  $10 - 4 = 6$

Instructions

For the following questions answer them individually

Question 175

Find the wrong number in the series. 7, 28, 63, 124, 215, 342

A 28

B 63

C 124

D 342

Answer: A

Explanation:

By observing the terms of series it can be deduced that the series must follow the pattern

$$2^3 - 1, 3^3 - 1, 4^3 - 1, 5^3 - 1, 6^3 - 1, 7^3 - 1$$

So option A is correct

## SSC CGL Tier-2 Previous Papers PDF

Question 176

In a class Rajan got the 11th rank and he was 31st from the bottom of the list of boys passed. Three boys did not take the examination and one failed. What is the total strength of the class?

A 32

B 42

C 45

D 46

Answer: C

Explanation:

Rank of Rajan from top = 11th

Rank of Rajan from bottom = 31st

$$\Rightarrow \text{Total number of students who attended exam} = 11 + 31 - 1 = 41$$

It is known that 3 boys did not take the examination and one failed

$$\Rightarrow \text{Total strength of class} = 41 + 3 + 1 = 45$$

Question 177

In a family, mother's age is twice that of daughter's age. Father is 10 years older than mother. Brother is 20 years younger than his mother and 5 years older than his sister. What is the age of the father ?

A 62 years

- B 60 years
- C 58 years
- D 55 years

**Answer: B**

**Explanation:**

Let daughter's age =  $x$  years

=> Mother's age =  $2x$  years

Thus, father's age =  $(2x+10)$  years

=> Brother's age =  $(2x-20)$  years -----(i)

Also, brother's age =  $(x+5)$  years -----(ii)

From equation (i) and (ii),

$$\Rightarrow 2x-20=x+5$$

$$\Rightarrow 2x-x=20+5$$

$$\Rightarrow x=25$$

\therefore Father's age =  $2(25)+10=60$  years

=> Ans - (B)

**Question 178**

Rahul and Robin are brothers. Pramod is Robin's father. Sheela is Pramod's sister. Prema is Pramod's niece. Shubha is Sheela's granddaughter. How is Rahul related to Shubha?

- A Brother
- B Cousin
- C Uncle
- D Nephew

**Answer: C**

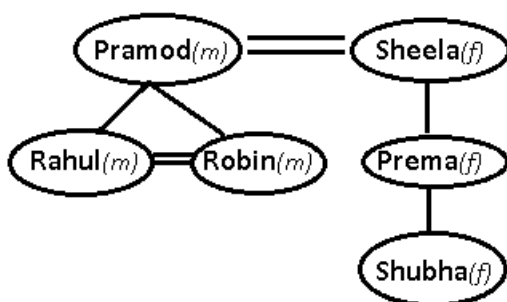
**Explanation:**

Rahul and Robin are brothers and Pramod is Robin's father.

=> Rahul is the son of Pramod.

Also, Sheela is Pramod's sister and Prema is Pramod's niece.

=> Prema is the daughter of Sheela.



Thus, Rahul is the uncle of Shubha.

=> Ans - (C)



## 200 SSC Mocks for just Rs. 249 - Enroll now

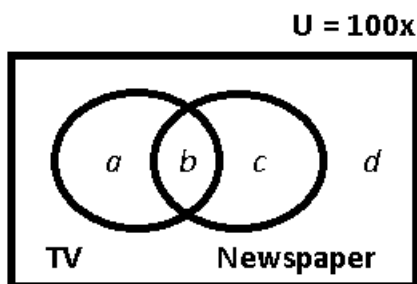
### Question 179

In a survey of a town, it was found that 65% of the people surveyed watch the news on T.V., 40% read a newspaper and 25% read a newspaper and watch the news on T.V. What per cent of the people surveyed neither watch the news on T.V. nor read a newspaper?

- A 5%
- B 10%
- C 20%
- D 15%

Answer: C

Explanation:



Let the total number of people in the town be  $100x$

Now, 65% of the people surveyed watch the news on T.V., 40% read a newspaper and 25% read a newspaper and watch the news on T.V.

$$\Rightarrow a + b = 65x$$

$$b + c = 40x$$

$$b = 25x$$

Solving above equations, we get :

$$\Rightarrow a = 40x \text{ and } c = 15x$$

$$\text{Also, } a + b + c + d = 100x$$

$$\Rightarrow 40x + 25x + 15x + d = 100x$$

$$\Rightarrow d = 20x$$

$\therefore$  20% of the people neither watch news on TV nor read the newspaper.

### Question 180

In the year 1996, the Republic day was celebrated on Friday. On which day was the Independence day celebrated in the year 2000?

- A Tuesday
- B Monday
- C Friday
- D Saturday

Answer: A

Explanation:

Number of days from 26 Jan 1996 to 15 Aug 2000 = 1663

=>  $1663 \div 7 = 4$

Thus, it has 4 odd days.

=> In year 2000, independence day is on = Fri + 4 = Tuesday

**Question 181**

**Mr. and Mrs. Gopal have 3 daughters and each daughter has one brother. How many persons are there in the family?**

A 5

B 6

C 7

D 8

**Answer: B**

**Explanation:**

Since each of the 3 daughters has 1 brother.

=> There is only 1 brother

=> Mr. and Mrs. Gopal have 3 daughters and 1 son

Total family members = 6

## SSC CGL Important Questions PDF

**Question 182**

**In Ravi's clock shop, two clocks were brought for repairs. One clock has the cuckoo coming out every sixteen minutes, while the other one has the cuckoo coming out every eighteen minutes. Both cuckoos come out at 12.00 noon. When will they both come out together again?**

A 2.06 PM

B 2.08 PM

C 2.24 PM

D 2.32 PM

**Answer: C**

**Explanation:**

Time after cuckoo comes in first clock = 16 min

Time after cuckoo comes in second clock = 18 min

=> Time after cuckoo will come together in both = L.C.M. (16,18)

= 144 min = 2 : 24 min

=> They will both come out together again = 12 + 2:24 = 2:24 PM

**Question 183**

**There are three baskets of fruits. First basket has twice the number of fruits in the 2nd basket. Third basket has three-fourth of the fruits in the first. The average of the fruits in all the baskets is 30. What is the number of fruits in the first basket ?**

A 20

B 30

C 35

D 40

Answer: D

Explanation:

Let the number of fruits in first basket =  $4x$

=> Fruits in second basket =  $2x$

=> Fruits in third basket =  $3x$

Acc to ques :

$$\Rightarrow \frac{4x + 2x + 3x}{3} = 30$$

$$\Rightarrow x = \frac{90}{9} = 10$$

$\therefore$  No. of fruits in first basket =  $4 \times 10 = 40$

Question 184

From my house I walked 5 km towards North. I turned right and walked 3 km. Again I went one km to the south. How far am I from my house?

A 7 km

B 6 km

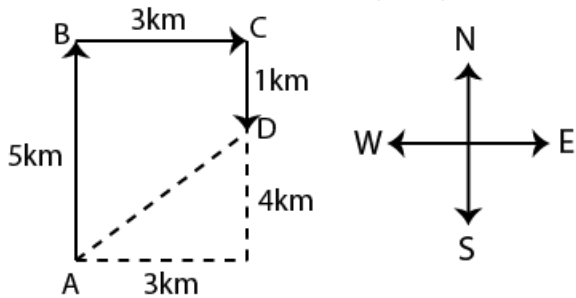
C 4 km

D 5 km

Answer: D

Explanation:

From the given description the path(ABCD) can be traced as:



the total distance from his house is:  $AD = \sqrt{3^2 + 4^2} = 5$  km.

the correct answer is option D.

## 1500 + Free Must Solved SSC Questions (With Solutions)

Question 185

A and B are standing at a distance of 20 km from each other on a straight EastWest road. A and B start walking simultaneously eastwards and westwards respectively and both cover a distance of 5 km. Then A turns to his left and walks 10 km. B turns to his right and walks 10 km at the same speed. Then both turn to their left and cover a distance of 5 km at the same speed. What will be the distance between them ?

A 10 km

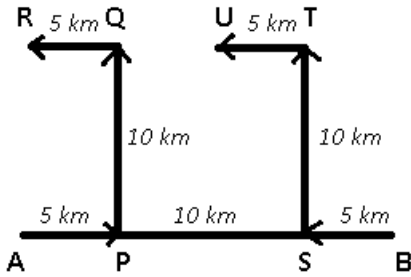
B 30 km

C 20 km

D 25 km

Answer: A

Explanation:



A and B are at a distance of 20 km from each other. A walks towards east and B walks towards west for 5 km each, then A turned left and B turned right and both travelled north for 10 km, and finally A stopped at R and B at point U.

Thus, distance between them  $RU = 5 + 5 = 10$  km

=> Ans - (A)

Question 186

From the given alternative words, select the word which cannot be formed using the letters of the given word : REFORMATION

A REFRAIN

B MOTION

C REFRACT

D FORMAT

Answer: C

Explanation:

From the given alternative words, the only word which cannot be formed using the letters of the given word : REFORMATION is REFRACT as there is no C in REFORMATION . hence the correct answer is option C.

Question 187

From the given alternative words, select the word which can be formed using the letters of the given word. MANUFACTURE

A FRACTURE

B MANNER

C MATTER

D FACE

Answer: D

Explanation:

From the given options FACE is the only word which can be formed using the letters of the given word. MANUFACTURE, all others have some letter(s) that aren't part of the given word MANUFACTURE, therefore the correct answer is option D.

## General Science Notes for SSC CGL

Question 188

If in a certain language, PLAYER is coded as QNDCJX, then how SINGER will be coded in the same language?

- A TKQKJX
- B TKJKQX
- C TKQKXJ
- D TKQXJK

**Answer:** A

**Explanation:**

If in a certain language, PLAYER is coded as QNDCJX, then the pattern that can be identified is that if P is represented by its immediate successor Q, then the next in sequence L will be represented by the letter that comes 2 places after it and A is represented by the letter that comes 3 places after it and so on. Working on similar lines, the letters of the word SINGER can be represented as TKQKJX. which is option A.

**Question 189**

If in a certain code, 95789 is written as EGKPT and 2436 is written as ALUR, then how will 24539 be written in that code?

- A ALEUT
- B ALGTU
- C ALGUT
- D ALGRT

**Answer:** C

**Explanation:**

The codes for each number is given :

- 2 -> A
- 4 -> L
- 5 -> G
- 3 -> U
- 9 -> T

Thus, 24539 : **ALGUT**

=> Ans - (C)

**Question 190**

A statement is given followed by four alternative arguments. Select one which is most appropriate.

Statements: White clothes are worn more often in summer because

- A they are thin and cool
- B they are bad absorbers of heat
- C they can be easily washed
- D they are easily available in summer

**Answer:** B

**Explanation:**

White clothes are worn more often in summer because they are bad absorbers of heat.

=> Ans - (B)

**Instructions**

In each of the following questions, select the missing number from the given responses.

**Question 191**

169	64	81	30
625	?	49	50
1296	576	100	70

- A 324
- B 289
- C 441
- D 361

**Answer:** A

**Explanation:**

Let the number in the first column be 'a', in the second column be 'b', in the third column be 'c' and in the fourth column be 'd'

The pattern followed above is :  $\sqrt{a} + \sqrt{b} + \sqrt{c} = d$

=> Missing number :  $\sqrt{625} + \sqrt{b} + \sqrt{49} = 50$

=>  $\sqrt{b} = 50 - 25 - 7 = 18$

=>  $b = 18^2 = 324$

**Question 192**

1	2	3
4	5	6
7	8	9
27	38	?

- A 49
- B 50
- C 51
- D 52

**Answer:** C

**Explanation:**

Let the number in the first row be 'a', in the second row be 'b', in the third row be 'c' and in the fourth row be 'd'.

The pattern followed is :  $(b \times c - a = d)$

=> Missing number =  $6 \times 9 - 3 = 54 - 3 = 51$

**Instructions**

For the following questions answer them individually



Question 193

The number of road accidents in a city is increasing month by month as given below. Find out the number of accidents in the month of June.

Month	Jan	Feb	March	April	May	June
No. of accidents	4	8	16	28	44	?

- A 64
- B 48
- C 52
- D 40

Answer: A

**Explanation:**

The pattern above followed is :

$$4 + 4 \times 1 = 8$$

$$8 + 4 \times 2 = 16$$

$$16 + 4 \times 3 = 28$$

$$28 + 4 \times 4 = 44$$

=> Following the above pattern, the number of accidents in June :

$$= 44 + 4 \times 5 = 64$$

**SSC Exam Free Videos (Youtube)**

Question 194

If 'x' means 'addition', '-' means 'division', '\$\div\$' means 'subtraction' and '+' means 'multiplication', then which of the following equations is correct ?

- A  $16 + 5 - 10 \times 4 \div 3 = 9$
- B  $16 - 5 \times 10 \div 4 + 3 = 12$
- C  $16 + 5 \div 10 \times 4 - 3 = 9$
- D  $16 \times 5 \div 10 \div 4 - 3 = 19$

Answer: A

**Explanation:**

(A) :  $16 + 5 - 10 \times 4 \div 3 = 9$

$$\equiv 16 \times 5 \div 10 + 4 - 3 = 9$$

$$= \frac{80}{10} + 1$$

$$= 8 + 1 = 9 \text{ R.H.S.}$$

=> Ans - (A)

Question 195

A man starts from a point, walks 8 km towards North, turns right and walks 12 km, turns left and walks 7 km, turns and walks 24 km towards South, turns right and walks 12 km. In which direction is he from the starting point?

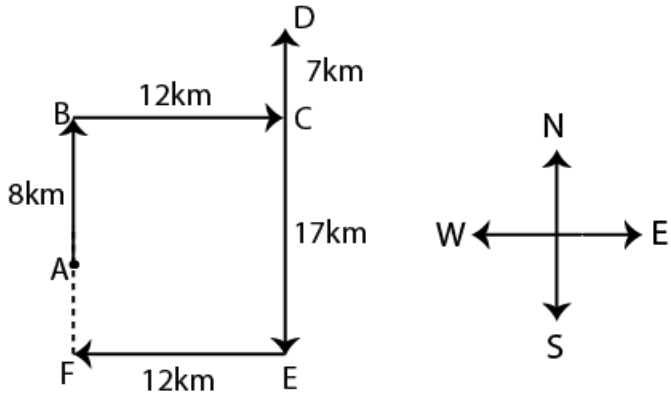
- A North
- B South
- C West
- D East



Answer: B

**Explanation:**

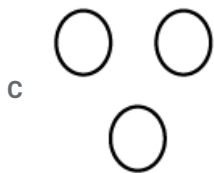
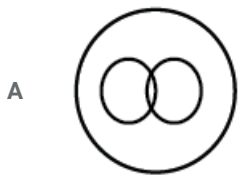
From the above mentioned information, we can trace the path of the man as follows:



It can be clearly seen that he is 9km due south from his starting point. hence the correct answer is option B.

**Question 196**

Which diagram correctly represents the relationship between Human beings, Teachers, Graduates? **DIAGRAM**



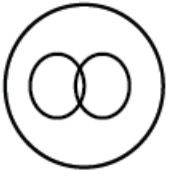
Answer: A

**Explanation:**

Both teachers and graduates are part part of human beings.

Also, some of the graduates can be teachers also and some may be not.

=> The above relation is correctly depicted by :

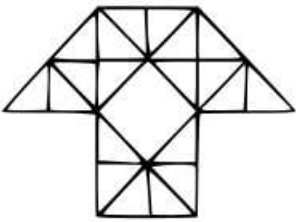


Ans - (A)

### SSC Free Preparation App

Question 197

How many triangles are there in the given figure ?



A 29

B 38

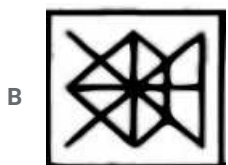
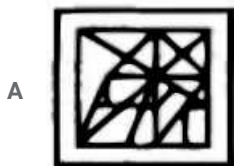
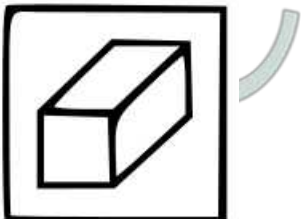
C 40

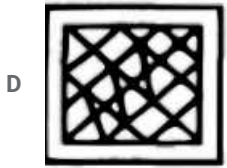
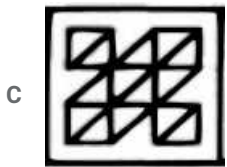
D 35

Answer: C

Question 198

From the given answer figures, select the one in which the question figure is hidden/embedded. Question Figure :





Answer: C

**Explanation:**

The question figure is a cuboid.

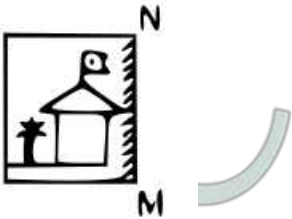
It can be clearly seen in the middle of figure C.

Other options just contains some pairs of lines and not proper cuboid.

Ans - (C)

**Question 199**

If a mirror is placed on the line MN, then which of the answer figures is the correct image of the given Figure? Question Figures :



Answer: C

**Explanation:**

In the question figure, the tree is on the left of the house, => It will appear on the right in the mirror

=> (D) is eliminated.

The flag is facing east in the figure, thus it will face west in mirror.

=> (B) is eliminated.

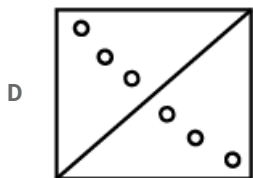
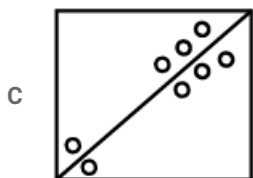
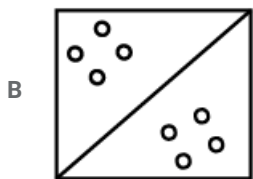
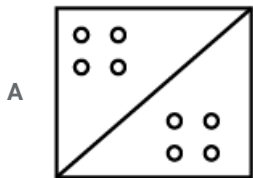
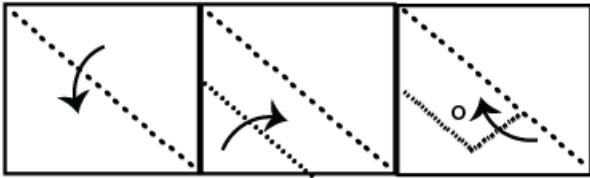
There is a small dot in the middle of the flag which will not change in the mirror, which is present in option (C)

Ans - (C)

## Daily Free SSC Practice Set

### Question 200

A piece of paper is folded and cut as shown below in the question figures. From the given answer figures, indicates how it will appear when opened. Questions Figure :



Answer: B

**SSC CGL Free Online Coaching**

**SSC CGL Free Mock Test**

**SSC CGL Previous Papers (DOWNLOAD PDF)**



**SSC CGL Tier-2 Previous Papers PDF**

**200 SSC Mocks for just Rs. 249 - Enroll now**

**SSC CGL Important Questions PDF**

**1500 + Free Must Solved SSC Questions (With Solutions)**

**General Science Notes for SSC CGL**

**Free SSC Study Material (18,000 Solved Questions)**

**SSC Exam Free Videos (Youtube)**

**SSC Free Preparation App**

**Daily Free SSC Practice Set**

**SSC CGL Free Online Coaching**

**SSC CHSL Previous Question papers (download pdf)**

**Free SSC Study Material (18,000 Solved Questions)**

**Latest Job Updates on Telegram - Join here**