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

Downloaded from cracku.in

SSC MTS 22nd August 2019 Shift-3

English

1. **Select the most appropriate antonym of the word**
   Yell

A Shout

B Whisper

C Scream

D Shriek

Answer: B

2. **Identify the segment in the sentence which contains the grammatical error.**
   Patralekha finished the cake in the blink of a eye.

A of a eye

B in the blink

C Patralekha finished

D the cake

Answer: A

3. **Select the most appropriate antonym of the word**
   Reluctant

A Hesitant

B Uncertain

C Unwilling

D Eager

Answer: D

4. **Select the most appropriate word for the given group of words.**
   One who does not express himself freely

A Extrovert

B Introvert

C Narcissist

D Lunatic

Answer: B

SSC MTS Previous Papers (DOWNLOAD PDF)

Downloaded from cracku.in

5. **Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select No improvement.**
In a recession-hit economy, automobiles is the mostly affected sector.

A is the most

B are the mostly

C No improvement

D are the most

Answer: A

6. **Select the most appropriate synonym of the given word**
Drowsy

A Lively

B Alert

C Sleepy

D Active

Answer: C

7. **Select the most appropriate word to fill in the blank and make a meaningful sentence.**
The Middle-East job market has always been a _____ destination for Indians.

A lucrative

B luxury

C wealthy

D costly

Answer: A

SSC CHSL Prevoius Papers (DOWNLOAD PDF)

8. **Select the most appropriate synonym of the given word**
Enormous

A Puny

B Tiny

C Huge

D Petty

Answer: C

9. **Select the most appropriate meaning of the given idiom.**
Be glad to see the back of

A To avoid someone

Downloaded from cracku.in

B To be happy when a person leaves

C To be happy to receive guests

D To support someone

Answer: B

10. **Select the most appropriate option to fill in the blank and make a grammatically correct sentence.**
There is no information _____ the company's profit in the report.

A about

B along

C among

D with

Answer: A

SSC Stenographer Previous Papers (Download PDF)

11. **Identify the segment in the sentence which contains the grammatical error.**
Kaira has upset with me since the accident.

A the accident

B me since

C upset with

D Kaira has

Answer: D

Instructions [12 - 16]

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Comprehension:

Steamships were first (1)_____ to the United States in 1807. By the 1830's dozens of steam vessels were in (2)_____. They offered the traveller (3)_____ transportation in comfortable facilities-a welcome (4)_____ to stagecoach travel, which at best could be described as (5)_____.

12. **Select the most appropriate option to fill in blank No.1.**

A established

B built

C introduced

D manufactured

Answer: C

13. **Select the most appropriate option to fill in blank No.2.**

A use

Downloaded from cracku.in

B stand

C move

D transit

Answer: A

SSC GD Constable Previous Papers

14. **Select the most appropriate option to fill in blank No.3.**

A light

B slow

C fast

D leisurely

Answer: C

15. **Select the most appropriate option to fill in blank No.4.**

A sign

B signal

C gesture

D alternative

Answer: D

16. **Select the most appropriate option to fill in blank No.5.**

A fortunate

B wretched

C admirable

D worthy

Answer: B

SSC CGL Previous Papers (DOWNLOAD PDF)

17. **Select the most appropriate meaning of the given idiom.**
Once bitten, twice shy

A Someone who doesn't learn from his previous experiences

B An unpleasant experience induces caution

C Someone who is afraid of taking challenges

D To keep something precious safely

Answer: B

Downloaded from cracku.in

18. **Select the correctly spelt word.**

A Newclear

B Nuclere

C Neuclear

D Nuclear

Answer: D

19. **Select the most appropriate word for the given group of words.**
The study of stars and planets

A Archeology

B Astrology

C Anatomy

D Astronomy

Answer: D

SSC CGL Free Mock Test (Latest Pattern)

20. **Select the correctly spelt word.**

A Hijean

B Higiene

C Hygene

D Hygiene

Answer: D

21. **Select the most appropriate word to fill in the blank and make a meaningful sentence.**
The method _____ by the teacher is very tedious.

A regarded

B reminded

C allowed

D suggested

Answer: D

22. **Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select No improvement.**
Every book is wrote by Ruskin Bond is a masterpiece.

A written

B has wrote

Downloaded from cracku.in

C No improvement

D have written

Answer: A

SSC CHSL Free Mock Test (Latest Pattern)

23. **Select the most appropriate option to fill in the blank and make a grammatically correct sentence.**
Planets do not have light _____ their own.

A on

B by

C of

D for

Answer: C

24. **Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select No improvement.**
It is not for nothing that Mumbai is talked about as the most cosmopolitan of Indian cities.

A is talking

B are talked

C No improvement

D was talking

Answer: C

25. **Identify the segment in the sentence which contains the grammatical error.**
It is not possible to discuss anything with her because of her angry.

A possible to discuss

B anything with her

C because of her angry

D It is not

Answer: C

SSC Stenographer Previous Papers (Latest Pattern)

Reasoning

26. **In a certain code language, 'FRAUD' is written as 'KWFZI'. What will be the code for ' GLAIR' in that code language?**

A KRHOX

B KQGMX

Downloaded from cracku.in

C LQFNW

D LRHMX

Answer: C

Explanation:
FRAUD ==> (F+5) (R+5) (A+5) (U+5) (D+5) ==> KWFZI

GLAIR ==> (G+5) (L+5) (A+5) (I+5) (R+5) ==> LQFNW

SSC GD Constable Free Mock Test (Latest Pattern)

27. **Select the option that is related to the third term in the same way as the second term is related to the first term.**
LSX : NUZ :: GKQ : ?

A IMS

B JNP

C JMS

D INP

Answer: A

Explanation:
LSX ==> (L+2) (S+2) (X+2) ==> NUZ

GKQ ==> (G+2) (K+2) (Q+2) ==> IMS

Hence 'IMS' will come in place of the question mark.

28. **In a certain code language, 'GIBECH' is written as '974356'. What will be the code for ' FHCIAD' in that code language?**

A 965726

B 572803

C 794125

D 865732

Answer: D

Explanation:
The place values of each of the letters from the left will be done (+2) and (-2) alternatively within the word.

GIBECH ==> 7 9 2 5 3 8 ==> (7+2) (9-2) (2+2) (5-2) (3+2) (8-2) ==> 974356

FHCIAD ==> 6 8 3 9 1 4 ==> (6+2) (8-2) (3+2) (9-2) (1+2) (4-2) ==> 865732

29. **Pratik, Esha, Rashmi, Sakshi and Trisha are sitting on a bench facing North. Trisha & Esha are sitting together. Trisha & Rashmi are sitting together. Pratik is on the extreme left. Esha is second from the extreme right. Who is sitting between Pratik & Esha?**

A Rashmi and Trisha

B Rashmi and Sakshi

C Esha and Trisha

D Trisha and Sakshi

Answer: A

Downloaded from cracku.in

Explanation:
Pratik is on the extreme left.

Pratik _ _ _ _

Esha is second from the extreme right.

Pratik _ _ Esha _

Trisha & Esha are sitting together. Trisha & Rashmi are sitting together.

Pratik Rashmi Trisha Esha _

Now only 'Sakshi' is remaining which will be placed on the blank space.

Pratik Rashmi Trisha Esha Sakshi

According to the above arrangement, Rashmi and Trisha are sitting between Pratik & Esha.

SSC MTS Free Mock Test (Latest Pattern)

30. **Which two signs need to be interchanged to make the given equation correct?**
$16 + 27 \div 3 - 9 \times 12 = 85$

A $+, \div$

B $-, \times$

C $-, +$

D $\times, \div$

Answer: B

Explanation:
Option (a) $+, \div$

$16 \div 27 + 3 - 9 \times 12 = 85$

In this the values will be in fraction which is not possible as per the given equation. So this will not be the correct answer.

Option (b) $-, \times$

$16 + 27 \div 3 \times 9 - 12 = 85$

$16 + {}^{27}_{3} \times 9 - 12 = 85$

$16 + 27 \times 3 - 12 = 85$

$16 + 81 - 12 = 85$

85 = 85

The given equation is satisfied. So this will be the correct answer.

Option (c) $-, +$

$16 - 27 \div 3 + 9 \times 12 = 85$

$16 - 9 + 108 = 85$

$115 \neq 85$

In this the given equation is not satisfied. So this will not be the correct answer.

Option (d) $\times, \div$

$16 + 27 \times 3 - 9 \div 12 = 85$

In this the values will be in fraction which is not possible as per the given equation. So this will not be the correct answer.

31. **In a certain code language, ' BLANCH' is written as 'YIXKZE'. What will be the code for ' DEFAME' in that code language?**

Downloaded from cracku.in

A CDEJKL

B BCDXJC

C ABCXJB

D ABDXIB

Answer: C

Explanation:
BLANCH ==> (B-3) (L-3) (A-3) (N-3) (C-3) (H-3) ==> YIXKZE

DEFAME ==> (D-3) (E-3) (F-3) (A-3) (M-3) (E-3) ==> ABCXJB

32. **Select the correct option that will complete the series**
7.5, 4.7, 1.9, -0.9, ____

A -2.5

B -3.7

C -1.5

D -1.9

Answer: B

Explanation:
7.5-2.8 = 4.7

4.7-2.8 = 1.9

1.9-2.8 = -0.9

-0.9-2.8 = -3.7

Here -3.7 can complete the given series.

SSC CPO Free Mock Test (Latest Pattern)

33. **Select the option that is related to the third term in the same way as the second term is related to the first term.**
Scientist : Laboratory :: Teacher : ?

A Students

B Knowledge

C Education

D School

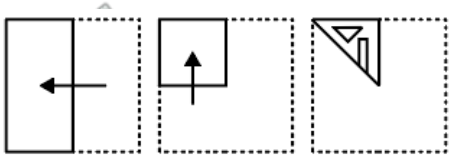
Answer: D

Explanation:
Scientists are working in Laboratory. Similarly, Teachers are working in School.

Hence option (d) is the correct answer.

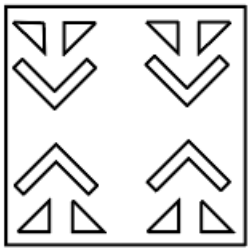
Downloaded from cracku.in

34. **A piece of paper is folded and cut as shown below in the question figures. Select from the given answer figures, how it will appear when unfolded.**

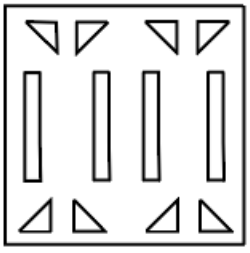


A

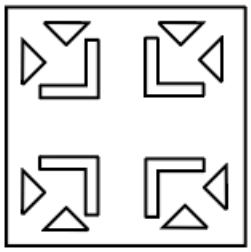
B



C



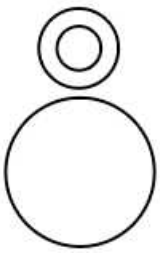
D



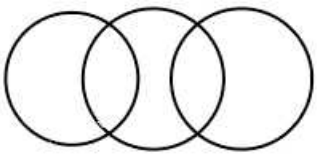
Answer: D

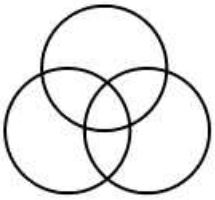
35. **Which of the following Venn diagrams best represents the relationship between Cars, Auto-rickshaws and Diesel vehicles?**

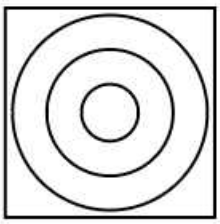
A



Downloaded from cracku.in

B 

C 

D 

Answer: B

SSC MTS Free Preparation App

36. **Select the option that is related to the third term in the same way as the second term is related to the first term.**
841 : 29 :: 484 : ?

A 24

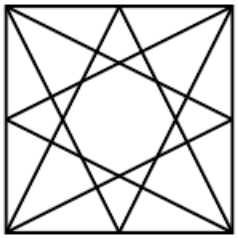
B 22

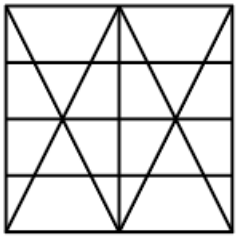
C 28

D 32

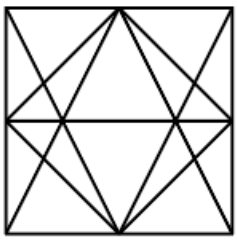
Answer: B

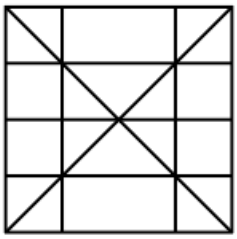
37. **Select the option in which the given figure is embedded. (Rotation is not allowed)**

A 

B 

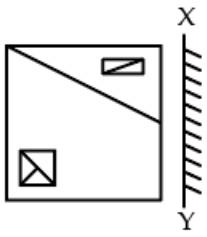
Downloaded from cracku.in

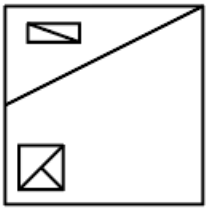
C 

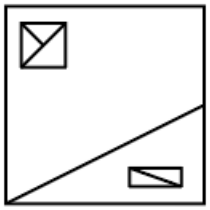
D 

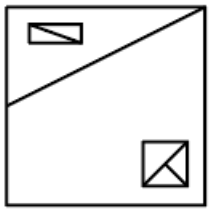
Answer: B

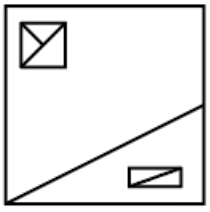
38. **If a mirror is placed on the line XY, then which of the answer figures will be the right mirror image of the given figure?**



A 

B 

C 

D 

Answer: C

Downloaded from cracku.in

39. **Usha, Damini, Amisha, Manju, Lalita and Harshita are sitting around a round table facing the centre. Usha is opposite Damini, who is to the right of Manju, Usha is between Amisha and Harshita, Harshita is not next to Manju. Who is to the right of Lalita?**

A Damini

B Usha

C Harshita

D Manju

Answer: C

40. **In a certain code language, '15-78-25-36' is written as '28-154-48-70'. What will be the code for ' 23-63-42-81' in that code language?**

A 44-124-82-160

B 125-511-152-982

C 65-218-362-542

D 46-126-84-164

Answer: A

Explanation:
Double of each number is subtracted by 2 to obtain the respective number.

15 78 25 36 ==> $(15 \times 2 - 2)(78 \times 2 - 2)(25 \times 2 - 2)\ (36 \times 2 - 2)$ **= (30-2) (156-2) (50-2) (72-2) = 28 154 48 70**

23 63 42 81 ==> $(23 \times 2 - 2)(63 \times 2 - 2)(42 \times 2 - 2)(81 \times 2 - 2)$ **= (46-2) (126-2) (84-2) (162-2) = 44 124 82 160**

So the answer is 44-124-82-160.

41. **Five girls took part in a race. Rajni finished before Mahika but behind Garima. Ashmita finished before Sanchali but behind Mahika. Who came second in the race?**

A Sanchali

B Mahika

C Rajni

D Garima

Answer: C

Explanation:
Rajni finished before Mahika but behind Garima.

Garima>Rajni>Mahika Eq.(i)

Ashmita finished before Sanchali but behind Mahika.

Mahika>Ashmita>Sanchali Eq.(ii)

From Eq.(i) and Eq.(ii).

Garima>Rajni>Mahika>Ashmita>Sanchali

So according to the above arrangement, Rajni came second in the race.

Downloaded from cracku.in

42. **Find the missing number from the below options.**

3	**5**	**7**	**71**
9	**2**	**1**	**29**
6	**4**	**11**	**?**

A 134

B 143

C 123

D 132

Answer: A

43. **Which two numbers need to be interchanged to make the given equation correct?**
$72 \times 9 + 27 \div 3 - 6 = 213$

A 9, 6

B 9, 3

C 72, 27

D 72, 6

Answer: B

Explanation:
Option (a) 9, 6

$72 \times 6 + 27 \div 3 - 9 = 213$

$432 + 9 - 9 = 213$

$432 \neq 213$

The given equation is not satisfied. So this is not the correct answer.

Option (b) 9 ,3

$72 \times 3 + 27 \div 9 - 6 = 213$

$216 + 3 - 6 = 213$

213 = 213

The given equation is satisfied. So this is the correct answer.

Option (c) 72, 27

$27 \times 9 + 72 \div 3 - 6 = 213$

$243 + 24 - 6 = 213$

$261 \neq 213$

The given equation is not satisfied. So this is not the correct answer.

Option (d) 72, 6

$6 \times 9 + 27 \div 3 - 72 = 213$

$54 + 9 - 72 = 213$

The given equation is not satisfied. Because the obtained value is negative. So this is not the correct answer.

Downloaded from cracku.in

44. **Select the correct option that will complete the series**
256, 384, 576, 864, ____

A 1450

B 1054

C 1296

D 1312

Answer: C

Explanation:
Each term is multiplied by 1.5 to obtain the next term.

$256 \times 1.5 = 384$

$384 \times 1.5 = 576$

$576 \times 1.5 = 864$

$864 \times 1.5 = 1296$

So here 1296 will be the next term.

SSC Study Material

45. **Select the option that is related to the third term in the same way as the second term is related to the first term.**
Moo : Cow :: Neigh : ?

A Owl

B Wolf

C Horse

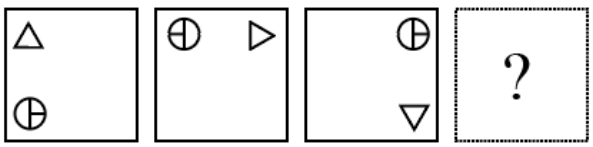
D Bear

Answer: C

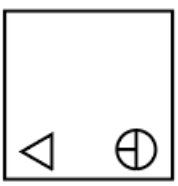
Explanation:
'Moo' sound is made by Cow. Similarly, 'Neigh' sound is made by Horse as per the given options.

Hence option (c) is the correct answer.

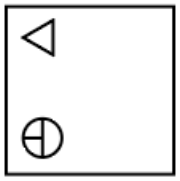
46. **Which of the following answer figure completes the series of the question figure?**

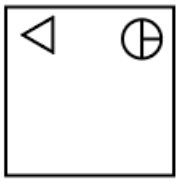


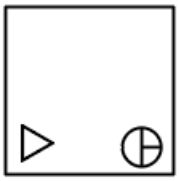
A



Downloaded from cracku.in

B 

C 

D 

Answer: A

47. **Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.**
Statements:
All nieces are sisters.
Some nieces are brothers.
Conclusion:
I : Some brothers are sisters.
II : All sisters are nieces.
III : No brothers are sisters.

A Only conclusion I and III follows

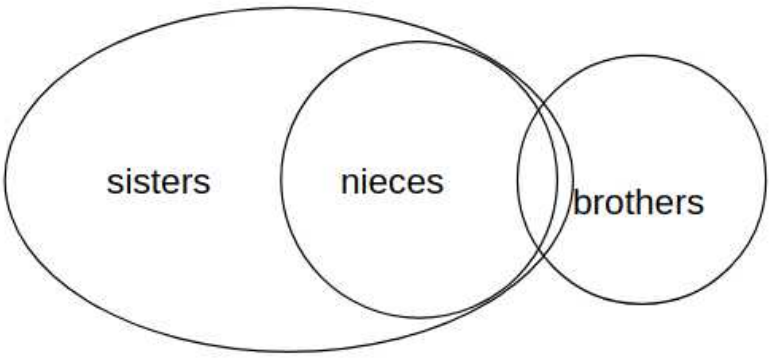
B Only conclusion I follows

C Only conclusion II follows

D All conclusions I, II and III follow

Answer: B

Explanation:



Conclusion: I : Some brothers are sisters.

From the above diagram, we can conclude the given conclusion follows.

Conclusion:II : All sisters are nieces.

From the above diagram, we can conclude that 'some sisters are nieces.'. But we cannot say about 'all'. So the given conclusion does not follow.

Downloaded from cracku.in

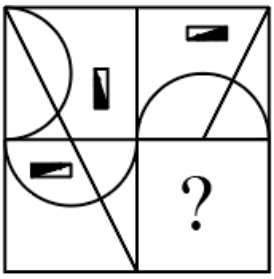
Conclusion: III : No brothers are sisters.

There is not any negative relation given between these entities. So the given conclusion does not follow.

So only conclusion I follow.

SSC Daily Practice Set

48. **Study the given pattern carefully and select the figure that will complete the pattern given in the question figure.**



A

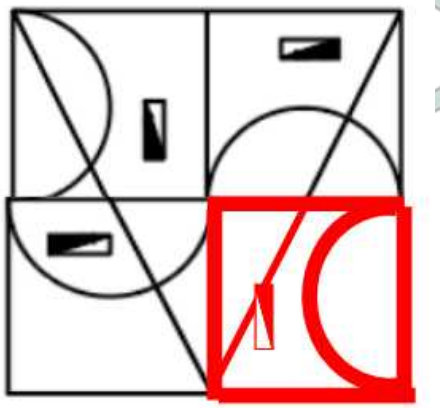
B

C

D

Answer: B

Explanation:
The figure is given in only option (b) can fill the missing part of the question figure correctly. It is highlighted by the red colour and given below.



Another way to get the answer is by options. In only option (b), the pattern of semicircle and slant line is followed by comparing each of the box given in the question. Hence it will be the correct answer.

Downloaded from cracku.in

49. **Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.**
Statements:
Some cats are mice.
All mice are dogs.
Conclusion:
I: No dogs are cats.
II: All cats are dogs.

A Only conclusion I follows

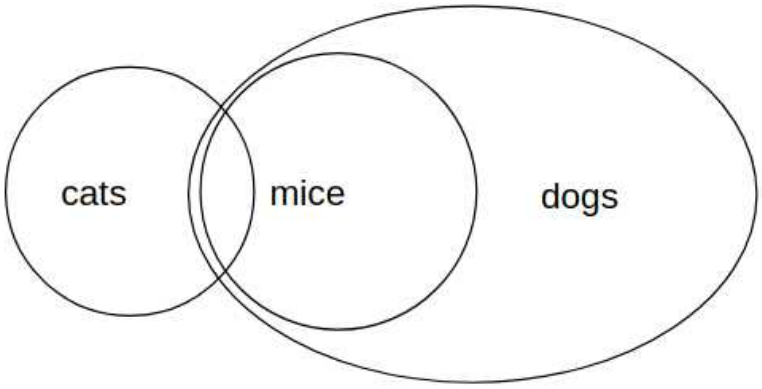
B Both conclusions I and II follow

C Only conclusion II follows

D Neither conclusion I nor II follows

Answer: D

Explanation:



Conclusion: I: No dogs are cats.

There is not any negative relationship given among these entities. So this conclusion does not follow.

Conclusion: II: All cats are dogs.

As per the above given Venn diagram, we can only say that 'some cats are dogs.'. But we cannot say about the relation of 'all'. So this conclusion does not follow.

So Neither conclusion I nor II follows.

50. **Select the term that will come next in the following series.**
HM, EJ, BG, _____

A YD

B SC

C TE

D YC

Answer: A

Explanation:
HM ==> (H-3) (M-3) ==> EJ

EJ ==> (E-3) (J-3) ==> BG

BG ==> (B-3) (G-3) ==> YD

So 'YD' will be the next term of the given series.

Downloaded from cracku.in

SSC GK Free Tests

Quant

51. **x is the greatest number by which, when 2460, 2633 and 2806 are divided, the remainder in each caseis the same. What is the sum of digits of x?**

A 11

B 10

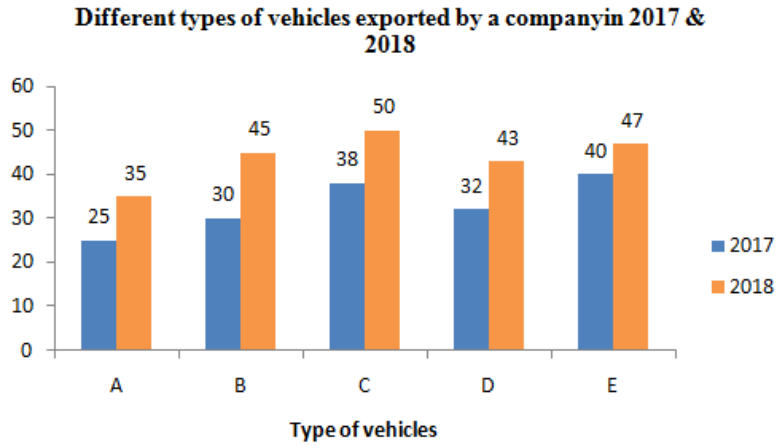
C 13

D 9

Answer: A

SSC GK Questions

52. **The given Bar Graph presents the number of different types of vehicles exported by a company in 2017 and 2018.**



The average export of vehicles in 2018 is what percent more than the export of vehicle A in 2017?

A $46\frac{2}{3}$

B 68

C $37\frac{1}{2}$

D 76

Answer: D

Explanation:

The average export of vehicles in 2018 = $\frac{(35+45+50+43+47)}{5}$

= $\frac{220}{5}$

= 44

The export of vehicle A in 2017 = 25

Percent more = $\frac{(44-25)\times 100}{25}$

= $\frac{(19)\times 100}{25}$

= 76%

Downloaded from cracku.in

53. **If the compound interest in the third year at 8% p.a. on certain sum is ₹3600, then what is the difference between the compound interest in the 4th and 5th year? (nearest to an integer in ₹)**

A ₹304

B ₹335

C ₹288

D ₹311

Answer: D

54. **If the simple interest on a sum of ₹x at 6 % p.a. for two years is double the simple interest on another sum of ₹y at 9% per annum for three years, then which of the following is true?**

A $x = 2y$

B $x = 4.5y$

C $3x = 7y$

D $2x = 5y$

Answer: B

Explanation:
If the simple interest on a sum of ₹x at 6 % p.a. for two years is double the simple interest on another sum of ₹y at 9% per annum for three years.

$\frac{x \times 6 \times 2}{100} = 2 \times \left(\frac{y \times 9 \times 3}{100}\right)$

$\frac{x \times 6 \times 1}{100} = \frac{y \times 9 \times 3}{100}$

6x = 27y

2x = 9y

x = 4.5y

55. **The average of 12 numbers is 18.5. The average of the first six numbers is 16.8 and that of the last seven numbers is 17.4. If the 6th number is excluded, then what is the average (correct to one decimal place) of the remaining 11 numbers?**

A 17.9

B 18.9

C 18.4

D 20.1

Answer: D

Explanation:
The average of 12 numbers is 18.5.

Sum of 12 numbers = 12×18.5 = 222

The average of the first six numbers is 16.8.

Sum of first six numbers = 6×16.8 = 100.8

The average of the last seven numbers is 17.4.

Sum of last seven numbers = 7×17.4 = 121.8

Downloaded from cracku.in

Sixth number = (Sum of first six numbers + Sum of last seven numbers) - Sum of 12 numbers

= (100.8+121.8)-222

= 222.6-222

= 0.6

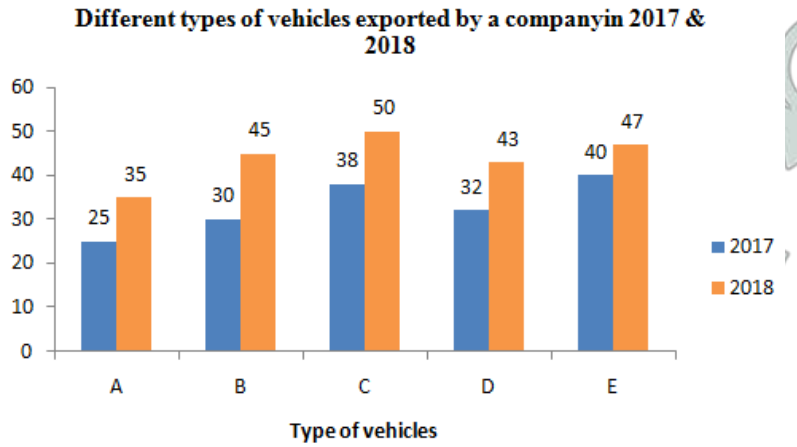
If the 6th number is excluded, then the average (correct to one decimal place) of the remaining 11 numbers = $\frac{(222-0.6)}{11}$

= $\frac{221.4}{11}$

= 20.1272727

= 20.1 (correct to one decimal place)

56. **The given Bar Graph presents the number of different types of vehicles exported by a company in 2017 and 2018.**



What is the ratio of the total number of vehicles exported in 2017 of types B, C and D to that of vehicles exported in 2018 of the types A, D and E?

A 6 : 5

B 7 : 10

C 4 : 5

D 18 : 25

Answer: C

Explanation:

Total number of vehicles exported in 2017 of types B, C, and D = (30+38+32) = 100

Total number of vehicles exported in 2018 of types A, D, and E = (35+43+47) = 125

Ratio ==> 100:125

4:5

57. **Amit bought an article for ₹310 and sold it at a loss of 25 %. With this money, he bought another article and sold it at a gain of 40%. What was his overall gain or loss percent?**

A Loss 2.5%

B Gain 8%

C Loss 4%

D Gain 5%

Answer: D

Explanation:

Downloaded from cracku.in

Amit bought an article for ₹310 and sold it at a loss of 25 %.

The selling price of the first article = 310 of (100-25)%

= 310 of 75%

= 232.5

Loss on the first article = 310-232.5 = 77.5

With this money, he bought another article and sold it at a gain of 40%.

The cost price of the second article = 232.5

The selling price of the second article = 232.5 of 140% = 325.5

Profit on the second article = 325.5-232.5 = 93

overall gain or loss percent = $\frac{(232.5+325.5)-(310+232.5)}{310} \times 100$

= $\frac{(558-542.5)}{310} \times 100$

= $\frac{15.5}{310} \times 100$

= 5% gain

SSC MTS Previous Papers (DOWNLOAD PDF)

58. **To do a certain work, the ratio of efficiencies of A and B is 3 : 7. Working together, they can complete a work in 14 days. B started the work and after working for 8 days, he left and A completed the remaining work. For how many days did A work?**

A 28

B 30

C 24

D 27

Answer: A

Explanation:

To do a certain work, the ratio of efficiencies of A and B is 3 : 7.

Let's assume the efficiencies of A and B are 3y and 7y respectively.

Working together, they can complete a work in 14 days.

Total work = $14 \times (3y + 7y)$ = $14 \times 10y$ = 140y

B started the work and after working for 8 days, he left and A completed the remaining work.

Let's assume the number of days A worked is 'd'.

$7y \times 8 + 3y \times d = 140y$

$7 \times 8 + 3 \times d = 140$

56 + 3d = 140

3d = 140-56 = 84

number of days A worked = d = 28 days

59. **A and B can complete a certain work in 24 days and 42 days respectively. A started the work and after x days, B joined him and the whole work was completed in 20 days. The value of x is:**

A 11

B 13

Downloaded from cracku.in

C 7

D 9

Answer: B

Explanation:
A and B can complete a certain work in 24 days and 42 days respectively.

LCM of 24 and 42 is 168 which can be assumed as the total work.

The efficiency of A = $\frac{168}{24}$ = 7 units/day

The efficiency of B = $\frac{168}{42}$ = 4 units/day

A started the work and after x days, B joined him and the whole work was completed in 20 days.

$7 \times 20 + 4 \times (20 - x) = 168$

$7 \times 5 + (20 - x) = 42$

35 + (20-x) = 42

(20-x) = 42-35

(20-x) = 7

x = 20-7 = 13

60. **A boat goes a distance of 4 km upstream in 2 hours and the same distance downstream in 20 minutes. How long will it take to go $10\frac{1}{2}$ km in still water?**

A $1\frac{1}{2}$ hours

B 48 minutes

C $1\frac{1}{4}$ hours

D 1 hour

Answer: A

Explanation:
Let's assume the speed of the boat in still water is B and the speed of the stream is C.

A boat goes a distance of 4 km upstream in 2 hours and the same distance downstream in 20 minutes.

$\frac{4}{B-C} = 2$

B-C = 2 Eq.(i)

$\frac{4}{B+C} = \frac{20}{60}$

$\frac{4}{B+C} = \frac{1}{3}$

B+C = 12 Eq.(ii)
Add Eq.(i) and Eq.(ii),
B-C+B+C = 2+12
2B =14
B = 7 km/h
Time taken to go $10\frac{1}{2}$ km in still water = $\frac{10.5}{7}$

= 1.5 hours

= $1\frac{1}{2}$ hours

SSC CHSL Prevoius Papers (DOWNLOAD PDF)

Downloaded from cracku.in

61. **The marked price of an article is ₹882. It is sold for ₹806.40. If there is a loss of 4%, then by what percent above the cost was the article marked?**

A 8

B 6

C 4

D 5

Answer: D

Explanation:

The marked price of an article is ₹882.

MRP = ₹882

Let's assume the cost price of the article is ₹y.

It is sold for ₹806.40. If there is a loss of 4%.

y of (100-4)% = 806.40

96% of y = 806.40

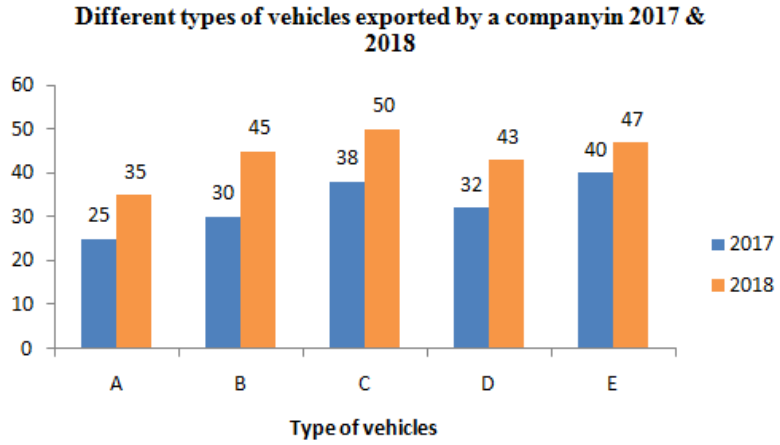
y = 840

Marked up percentage = $\frac{(882-840)\times 100}{840}$

$= \frac{42\times 100}{840}$

= 5%

62. **The given Bar Graph presents the number of different types of vehicles exported by a company in 2017 and 2018.**



The increase in the exports in 2018 as compared to that in 2017 is closest to 32 % in case of vehicles of type:

A B

B A

C C

D D

Answer: C

Explanation:

Percentage Increase in export of vehicle A from 2017 to 2018 = $\frac{(35-25)\times 100}{25}$ = 40%

Percentage Increase in export of vehicle B from 2017 to 2018 = $\frac{(45-30)\times 100}{30}$ = 50%

Downloaded from cracku.in

Percentage Increase in export of vehicle C from 2017 to 2018 = $\frac{(50-38)\times 100}{38}$ = 31.58% (approx.)

PercentageIncrease in export of vehicle D from 2017 to 2018 = $\frac{(43-32)\times 100}{32}$ = 34.37% (approx.)

Percentage Increase in export of vehicle E from 2017 to 2018 = $\frac{(47-40)\times 100}{40}$ = 17.5%

After solving each vehicle's export increase from one year to another one, we can say that vehicle C's export is increased by around 32%.

63. **The diameter of the base of a right circular cone is 10 cm and its height is 12 cm. What is the total surface area (in cm ^{2}) of the cone?**

A 90 π

B 70 π

C 84 π

D 65 π

Answer: A

Explanation:

the total surface area of the cone = $\pi \times radius\,(radius + slant\,height)$ Eq.(i)

The diameter of the base of a right circular cone is 10 cm and its height is 12 cm.

radius of of the base of a right circular cone = half of diameter = $\frac{1}{2} \times 10$ = 5 cm Eq.(ii)

slant height = $\sqrt{(radius)^2 + (height)^2}$

= $\sqrt{(5)^2 + (12)^2}$

= $\sqrt{25 + 144}$

= $\sqrt{169}$

= 13 cm Eq.(iii)

Put Eq.(ii) and Eq.(iii) in Eq.(i),

= $\pi \times 5 \times (5 + 13)$

= $\pi \times 5 \times 18$

= 90π

SSC Stenographer Previous Papers (Download PDF)

64. **A car travels for 6 hours at different speeds. For the first two hours at 60 m/s, for the next 2 hours at 50 m/s and for the remaining time at x m/s. If the average speed for the entire journey is 52 m/s, what is the value of x?**

A 46

B $44\frac{1}{2}$

C 48

D $45\frac{1}{2}$

Answer: A

65. **If (x + 10)% of 200 is $33\frac{1}{3}\%$ more than x% of 180, then 10% of (x + 20) is what percent less than 40% of x?**

Downloaded from cracku.in

A 55

B 60

C 70

D 65

Answer: D

Explanation:

If (x + 10)% of 200 is $33\frac{1}{3}\%$ more than x% of 180.

$(x+10)\ \%\ of\ 200 = \frac{4}{3}\ of\ x\%\ of\ 180$

2(x+10) = 2.4x

(x+10) = 1.2x

0.2x = 10

x = 50

10% of (x + 20) = 10% of (50+ 20) = 7 Eq.(i)

40% of x = 40% of 50 = 20 Eq.(ii)

So Eq.(i) is 13 less than Eq.(ii)

Percent less = $\frac{13 \times 100}{20}$

= 65%

66. **A sum of ₹3200 was to be divided between A, B, C and D in the ratio 4: 6 : 7: 3. But by mistake, it was divided in the ratio 3 : 5 : 6 : 2. As a result, who got $16\frac{2}{3}\%$ less than her due?**

A C

B A

C B

D D

Answer: D

Explanation:

A sum of ₹3200 was to be divided between A, B, C and D in the ratio 4: 6 : 7: 3.

Money got by A = $3200\ of\ \left(\frac{4}{4+6+7+3}\right)$ = $3200\ of\ \left(\frac{4}{20}\right)$ = 640

Money got by B = $3200\ of\ \left(\frac{6}{4+6+7+3}\right)$ = $3200\ of\ \left(\frac{6}{20}\right)$ =960

Money got by C = $3200\ of\ \left(\frac{7}{4+6+7+3}\right)$ = $3200\ of\ \left(\frac{7}{20}\right)$ = 1120

Money got by D = $3200\ of\ \left(\frac{3}{4+6+7+3}\right)$ = $3200\ of\ \left(\frac{3}{20}\right)$ = 480

But by mistake, it was divided in the ratio 3 : 5 : 6 : 2.

Money got by A = $3200\ of\ \left(\frac{3}{3+5+6+2}\right)$ = $3200\ of\ \left(\frac{3}{16}\right)$ = 600

Money got by B = $3200\ of\ \left(\frac{5}{3+5+6+2}\right)$ = $3200\ of\ \left(\frac{5}{16}\right)$ =1000

Money got by C = $3200\ of\ \left(\frac{6}{3+5+6+2}\right)$ = $3200\ of\ \left(\frac{6}{16}\right)$ = 1200

Money got by D = $3200\ of\ \left(\frac{2}{3+5+6+2}\right)$ = $3200\ of\ \left(\frac{2}{16}\right)$ = 400

Downloaded from cracku.in

Here only A and D got less than their initial. But only D got $16\frac{2}{3}\%$ less than from his initial.

SSC GD Constable Previous Papers

67. **The areas of three adjacent faces of a cuboid are 18 cm^2, 20 cm^2 and 40 cm^2. What is the volume(in cm^3) of the cuboid?**

A 144

B 100

C 120

D 125

Answer: C

Explanation:

The areas of three adjacent faces of a cuboid are 18 cm^2, 20 cm^2 and 40 cm^2.

Here L, B, and H are the length, breadth, and height of a cuboid respectively.

LB = 18 Eq.(i)

BH = 20 Eq.(ii)

LH = 40 Eq.(iii)

Volume of the cuboid = LBH

Square on the both of the sides.

$(Volume\ of\ the\ cuboid)^2 = L^2B^2H^2$

Volume of the cuboid = $\sqrt{LB \times BH \times LH}$

= $\sqrt{18 \times 20 \times 40}$

= $\sqrt{14400}$

= 120 cm^3

68. **There are 96 students in a class, out of which the number of girls is 40% more than that of the boys. The average score in mathematics of the boys is 40% more than the average score of girls. If the average score in mathematics of all the students is 63, then what is the average score of the girls in mathematics?**

A 51

B 54

C 55

D 57

Answer: B

Explanation:

There are 96 students in a class, out of which the number of girls is 40% more than that of the boys.

Let's assume the number of boys and girls in the class are B and G respectively.

B+G = 96 Eq.(i)

G = 1.4B Eq.(ii)

Put Eq.(ii) in Eq.(i).

B+1.4B = 96

2.4B = 96

Downloaded from cracku.in

B = 40

Put the value of 'B' in Eq.(i).

40+G = 96

G = 96-40 = 56

The average score in mathematics of the boys is 40% more than the average score of girls.

Let's assume the total score in mathematics of the boys and girls are BT and GT respectively.

$\frac{BT}{40} = \frac{1.4GT}{56}$

$\frac{BT}{40} = \frac{GT}{40}$

BT = GT Eq.(iii)

If the average score in mathematics of all the students is 63.

$\frac{(BT+GT)}{96} = 63$

Put Eq.(iii) in the above equation.

$\frac{2GT}{96} = 63$

$\frac{GT}{48} = 63$

GT = 3024

Average score of the girls in mathematics = $\frac{3024}{56}$

= 54

69. **A person sold an article at a loss of 12 %. Had he sold it for ₹162 more, he would have gained 24 %. If the article is sold for ₹360 then the loss percent is:**

A 18

B 20

C 25

D 15

Answer: B

Explanation:
Let's assume the cost price of the article is ₹100y.

A person sold an article at a loss of 12 %. Had he sold it for ₹162 more, he would have gained 24 %.

100y of (100-12)% + 162 = 100y of (100+24)%

100y of 88% + 162 = 100y of 124%

88y + 162 = 124y

124y - 88y = 162

36y = 162

y = 4.5

100y = 450

If the article is sold for ₹360 then the loss percent = $\frac{(450-360)\times 100}{450}$

= $\frac{90\times 100}{450}$

= 20%

SSC CGL Previous Papers (DOWNLOAD PDF)

Downloaded from cracku.in

70. **What is the sum of the median and mode of the data**

8, 1, 5, 4, 9, 6, 3, 6, 1, 3, 6, 9, 1, 7, 2, 6, 5 ?

A 13

B 11

C 12

D 14

Answer: B

Explanation:
Arrange the given data in ascending order which is given below.

1, 1, 1, 2, 3, 3, 4, 5, 5, 6, 6, 6, 6, 7, 8, 9, 9

Median = middle term of the given data after arranging them in ascending order

Here 17 numbers are given. So the median will be the 9th number from the left end. It's 5.

Mode = maximum number of times a number is occurring in the given data

= 6 (It is coming four times in the given data)

Sum of the median and mode of the data = 5+6

= 11

71. **The ratio of ages of A and B, four years ago, was $7:5$. The ratio of their ages, 6 years from now, will be $19:15$. What is the ratio of the present ages of A and B?**

A $2:1$

B $5:2$

C $4:3$

D $3:2$

Answer: C

Explanation:
Let the ages of A and B four years ago are 7p and 5p respectively

	A	B
4 years ago	7p	5p
Present age	7p+4	5p+4
after 6 years	7p+10	5p+10

Given ratio of their ages after 6 years = 19:15

$$\Rightarrow \frac{7p+10}{5p+10} = \frac{19}{15}$$

$$105p + 150 = 95p + 190$$

$$10p = 40$$

$$p = 4$$

Ratio of present ages of A and B = 7p+4 : 5p+4

= 32 : 24

= 4 : 3

Downloaded from cracku.in

72. **The value of** $\frac{5+2\ of\ 3\div 3\ of 2\times 3}{9+72\div 3-2\times(3-2)+3}$ **is** $\frac{a}{b}$**, where** a **and** b **are natural numbers. The value of** $(b-a)$ **is:**

A 7

B 3

C 5

D 1

Answer: D

SSC CGL Free Mock Test (Latest Pattern)

73. **A wire encloses an area of 616** cm^2 **when it is bent in the form of a circle. If the wire is bent in the form of a square, then its area (in** cm^2**) is very nearly equal to: (Take** $\pi = \frac{22}{7}$**)**

A 400

B 576

C 441

D 484

Answer: D

74. **What is the ratio of the mean proportional between 4.5 and 0.5, and the third proportional to 4.5 and 9.0?**

A $3:8$

B $2:9$

C $1:6$

D $1:12$

Answer: D

Explanation:

The mean is proportional between 4.5 and 0.5.

Mean proportion = $\sqrt{4.5\times\ 0.5}$

= $\sqrt{2.25}$

= 1.5 Eq.(i)

Third proportional to 4.5 and 9.0.

Let's assume the third proportion is 't'.

4.5 : 9 :: 9 : t

$4.5t = 9\times 9$

$t = 2\times 9$

t = 18 Eq.(ii)

Ratio ==> Eq.(i) : Eq.(ii)

1.5 : 18

Downloaded from cracku.in

15 : 180

1 : 12

75. **The value of** $\left(5\frac{1}{4} \div \frac{3}{7} \text{ of } \frac{1}{2}\right) \times \left(5\frac{1}{4} \times \frac{3}{7} \div \frac{1}{2}\right) \div \left(5\frac{1}{4} \div \frac{3}{7} \times \frac{1}{2}\right)$ **is**

A $\frac{9}{8}$

B $\frac{1}{18}$

C 18

D $\frac{8}{9}$

Answer: C

Explanation:

$= \left(\frac{21}{4} \div \frac{3}{14}\right) \times \left(\frac{21}{4} \times \frac{3}{7} \times 2\right) \div \left(\frac{21}{4} \times \frac{7}{3} \times \frac{1}{2}\right)$

$= \left(\frac{21}{4} \times \frac{14}{3}\right) \times \left(\frac{9}{2}\right) \div \left(\frac{49}{8}\right)$

$= \left(\frac{7}{2} \times \frac{7}{1}\right) \times \left(\frac{9}{2}\right) \div \left(\frac{49}{8}\right)$

$= \left(\frac{49}{2}\right) \times \left(\left(\frac{9}{2}\right) \times \left(\frac{8}{49}\right)\right)$

$= 9 \times 2$

= 18

SSC CHSL Free Mock Test (Latest Pattern)

General knowledge

76. **Who appoints Judges of Supreme Court and High Court in India?**

A Chief Justice of India

B President

C Prime Minister

D Law Minister

Answer: B

SSC Stenographer Previous Papers (Latest Pattern)

77. **Current Account of Balance of payments does NOT include which of the following?**

A Investments

B Transfer Payments

C Trade in Goods

D Trade in Services

Answer: A

78. **Jallikattu-Bull fight takes place in _____.**

Downloaded from cracku.in

A Maharashtra

B Kerala

C Tamil Nadu

D Andhra Pradesh

Answer: C

79. **Which plant tissue is responsible for transport of water and minerals from roots to the leaves ?**

A Phloem

B Xylem

C Stomata

D Pith

Answer: B

SSC GD Constable Free Mock Test (Latest Pattern)

80. **The Kaveri river basin falls in how many states of India?**

A 2

B 5

C 4

D 3

Answer: D

81. **Lomas Rishi Cave, constructed for Buddhist monks is located in which state?**

A Madhya Pradesh

B Chhattisgarh

C Jharkhand

D Bihar

Answer: D

82. **Battle of Plassey was fought between _____.**

A Alivardi Khan and British Amry

B Sirajuddaulah and British Army

C Mir Qasim and British Army

D Marathas and British Army

Answer: B

Downloaded from cracku.in

SSC MTS Free Mock Test (Latest Pattern)

83. **Which of the following sportsperson is NOT associated to Hockey?**

A Harmanpreet Kaur

B P. A. Raphel

C Sardar Singh

D S. V. Sunil

Answer: A

84. **Who among the following has been selected for the Vyas Samman 2018 award by the KK Birla Foundation ?**

A Leeladhar Jagudi

B Mohan Rana

C Ashok Vajpayi

D Kunwar Narayan

Answer: A

85. **Which of the following is NOT a Cricket tournament ?**

A Indian Premier League

B Syed Mushtaq Ali Trophy

C Indian Super League

D Vijaya Hazare Trophy

Answer: C

SSC CPO Free Mock Test (Latest Pattern)

86. **Natyanjali Dance Festival pays tribute to which deity?**

A Lord Brahma

B Lord Vishnu

C Lord Ganesh

D Lord Shiva

Answer: D

87. **Which Book won Golden Man Booker Prize 2018?**

A Five Point Someone

B Sacred Hunger

Downloaded from cracku.in

C The English Patient

D Moon Tiger

Answer: C

88. **Noble gases belong to which of the following groups of the periodic table?**

A 16

B 18

C 13

D 15

Answer: B

SSC MTS Free Preparation App

89. **At which temperature are Fahrenheit and Celsius equal?**

A -30

B -40

C -10

D -20

Answer: B

90. **Military Commanders during the Rule of Akbar were known as _____.**

A Kotwal

B Faujdars

C Bakhshi

D Sadr

Answer: B

91. **What is the reason behind food chains generally having 3-4 Trophic Levels?**

A Decreasing Organisms at each level

B Increasing Number of Organism at each level

C Decreasing Energy at each level

D Similar Energy at each level

Answer: C

285 SSC Mocks - Just RS. 249

92. **The President of India has same powers and functions as _____.**

Downloaded from cracku.in

A President of USA

B President of China

C President Of Turkey

D Queen of Britain

Answer: D

93. **Which of the following newspaper was NOT launched by Lala Lajpat Rai?**

A The People

B Young India

C Regenerator of Aryavarta

D The Panjabee

Answer: B

94. **Who among the following does NOT take part in the election of the President of India?**

A Elected Member of State Assembly

B Elected Member of Lok Sabha

C Elected Member of Rajya Sabha

D Nominated Member of Parliament

Answer: D

SSC Exam Free Videos (Youtube)

95. **_____ carries oxygenated blood from lungs to heart.**

A Aorta

B Renal artery

C Pulmonary veins

D Vena Cava

Answer: C

Explanation:
Pulmonary circulation refers to the circulation of **blood** in which deoxygenated **blood** is pumped from the **heart** to the **lungs** and **oxygenated blood** is returned to back to the **heart**.

The pulmonary veins carry oxygenated blood from the lungs to the **left atrium** of the heart.

96. **Which of the following relations is true?**

A GNP $\equiv$ GDP $\times$ Net factor income from abroad

B GNP $\equiv$ GDP $-$ Net factor income from abroad

Downloaded from cracku.in

C GNP ≡ GDP + Net factor income from abroad

D GNP ≡ GDP / Net factor income from abroad

Answer: C

97. **Black Soil is NOT found in which State of India?**

A Madhya Pradesh

B Punjab

C Andhra Pradesh

D Maharashtra

Answer: B

SSC Study Material

98. **Under which Governor General did Britishers adopt "Policy of Paramountcy"?**

A Lord Dalhousie

B Lord Clive

C Lord Cornwallis

D Lord Hastings

Answer: D

99. **The difference between the value of exports and value of imports of goods of a country in a given period of time is known as _____.**

A Balance of Trade

B Balance of payment

C Balance of currency

D Balance of invisibles

Answer: A

100. **Which hills are located at the junction of Eastern and Western Ghats?**

A Nilgiri

B Palconda

C Satpura

D Vindhyas

Answer: A

SSC Daily Practice Set

Downloaded from cracku.in

SSC MTS Previous Papers (DOWNLOAD PDF)

SSC CHSL Prevoius Papers (DOWNLOAD PDF)

SSC Stenographer Previous Papers (Download PDF)

SSC GD Constable Previous Papers

SSC CGL Previous Papers (DOWNLOAD PDF)

SSC CGL Free Mock Test (Latest Pattern)

SSC CHSL Free Mock Test (Latest Pattern)

SSC Stenographer Previous Papers (Latest Pattern)

SSC GD Constable Free Mock Test (Latest Pattern)

SSC MTS Free Mock Test (Latest Pattern)

SSC CPO Free Mock Test (Latest Pattern)

SSC MTS Free Preparation App

285 SSC Mocks - Just RS. 249

SSC Exam Free Videos (Youtube)

SSC Study Material

SSC Daily Practice Set

SSC GK Free Tests

SSC GK Questions

Downloaded from cracku.in