

Examination for Selection Posts Phase VIII 2020 09th Nov 2020 S1

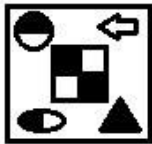
Roll Number	
Candidate Name	
Venue Name	
Exam Date	09/11/2020
Exam Time	10:00 AM - 11:00 AM
Subject	Examination for Selection Posts Phase VIII 2020 Higher Secondary level

Q.1 Select the correct mirror image of the given figure when a vertical mirror is placed to the right of the figure.

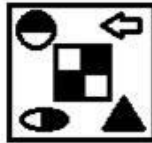


Ans

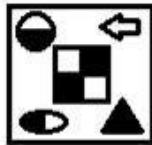
✗ 1.



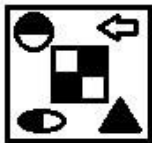
✗ 2.



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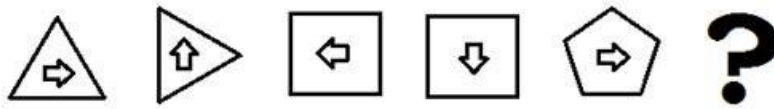


✓ 4.



Question ID : 8161614838

Q.2 Which figure will replace the question mark (?) in the following series?



Ans

- ☒ 1.
- ☒ 2.
- ☒ 3.
- ☒ 4.

Question ID : 8161614835

Q.3 In a code language, if RAIN is written as 149118, then how will SHIP be written in the same language?

- Ans
- ☒ 1. 198916
 - ☒ 2. 169819
 - ☒ 3. 169198
 - ☒ 4. 168919

Question ID : 8161614823

Q.4 In a code language, if SOIL is written as 91519021, then how will ROCK be written in the same language?

- Ans
- ☒ 1. 81510311
 - ☒ 2. 81511301
 - ☒ 3. 81513311
 - ☒ 4. 81513011

Question ID : 8161614824

Q.5 Peter is the brother of Mary, who is the sister of John. If Jessica is married to Donald's only son, who is the father of John, then how is Jessica related to the father of Mary?

- Ans
- ☒ 1. Daughter-in-law
 - ☒ 2. Wife
 - ☒ 3. Daughter
 - ☒ 4. Mother

Question ID : 8161614828

Q.6 Select the option that is related to the third letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster.

SUN : QUSWLP :: JAM : ?

- Ans
- ☒ 1. HLYCOK
 - ☒ 2. HLCYKO
 - ☒ 3. LHCYOK
 - ☒ 4. HLYCKO

Question ID : 8161614814

Q.7 'Library' is related to 'Books' in the same way as 'Aquarium' is related to '_____ '.

- Ans
- ☒ 1. Fishes
 - ☒ 2. Decoration
 - ☒ 3. Birds
 - ☒ 4. Artefacts

Question ID : 8161614818

Q.8 Samar is the son of Ganga, who is the daughter-in-law of Dinesh. If Jamna is the mother of Shyam, who is the only son of Dinesh, then how is Samar related to Jamna?

- Ans
- ☒ 1. Nephew
 - ☒ 2. Grandson
 - ☒ 3. Son-in-law
 - ☒ 4. Son

Question ID : 8161614829

Q.9 Which number will replace the question mark (?) in the following series?

31, 50, 67, ?, 91, 98, 103, 106, 108

- Ans
- ☒ 1. 82
 - ☒ 2. 76
 - ☒ 3. 80
 - ☒ 4. 78

Question ID : 8161614832

Q.10 In a code language, STAPLE is written as TSBOMD. How will ERASER be written in that language?

- Ans
- ☒ 1. FQBPFQ
 - ☒ 2. FQBRFQ
 - ☒ 3. FOBRFO
 - ☒ 4. FQBRDQ

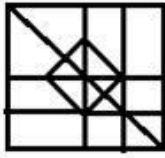
Question ID : 8161614820

Q.11 Select the option figure in which the given figure is embedded (rotation is NOT allowed).

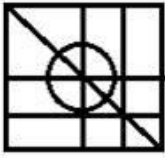


Ans

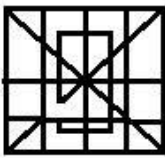
✓ 1.



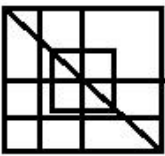
✗ 2.



✗ 3.



✗ 4.



Question ID : 8161614837

Q.12 In a code language, TEACHER is written as UIEDIIS. How will PLUMBER be written in that language?

Ans ✗ 1. QMANCFS

✗ 2. QMVNCFS

✓ 3. QMANCIS

✗ 4. QMVNCIS

Question ID : 8161614821

Q.13 Two statements are given, followed by three conclusions numbered I, II and III. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements:

Some books are novels.

No novel is a diary.

Conclusions:

I. No book is a diary.

II. All diaries are books.

III. No diary is a novel.

Ans ✗ 1. Only conclusion II follows

✗ 2. Only conclusion I follows

✗ 3. Either conclusion I or II follows

✓ 4. Only conclusion III follows

Question ID : 8161614831

Q.14 Which two signs should be interchanged to make the given equation correct?

$$51 + 18 - 5 \times 12 \div 3 = 137$$

- Ans
- ☐ 1. + and $\times$
 - ☒ 2. $\times$ and -
 - ☐ 3. $\div$ and $\times$
 - ☐ 4. - and $\div$

Question ID : 8161614834

Q.15 Select the correct option that indicates the arrangement of the following words in a logical and meaningful order.

1. Tercet
2. Sestet
3. Octave
4. Couplet
5. Quintet

- Ans
- ☐ 1. 3-4-1-5-2
 - ☒ 2. 4-1-5-2-3
 - ☐ 3. 3-4-1-2-5
 - ☐ 4. 4-1-5-3-2

Question ID : 8161614817

Q.16 In a code language, MATERIAL is written as NDYLTMTG. How will PURCHASE be written in that language?

- Ans
- ☐ 1. QWUGICVI
 - ☐ 2. QXWJIDXL
 - ☒ 3. QXWJJEYM
 - ☐ 4. QWUGJDWJ

Question ID : 8161614822

Q.17 Which letter will replace the question mark (?) in the following series?

W, V, S, N, ?, X, M

- Ans
- ☐ 1. H
 - ☒ 2. G
 - ☐ 3. I
 - ☐ 4. F

Question ID : 8161614827

Q.18 Two statements are given, followed by three conclusions numbered I, II and III. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically and definitely follow(s) from the statements.

Statements:

All donkeys are horses.
No cow is a horse.

Conclusions:

- I. Some cows are donkeys.
- II. Some horses are donkeys.
- III. No donkey is a cow.

- Ans**
- 1. Only conclusion III follows
 - ☒ 2. Either conclusion II or III follows
 - ☒ 3. Both conclusions II and III follow
 - 4. Only conclusion II follows

Question ID : 8161614830

Q.19 Select the correct option that indicates the arrangement of the following words in a logical and meaningful order.

- 1. Trapezium
- 2. Hexagon
- 3. Triangle
- 4. Heptagon
- 5. Pentagon

- Ans**
- ☒ 1. 3-1-5-4-2
 - ☒ 2. 3-5-4-2-1
 - ☒ 3. 3-1-5-2-4
 - ☒ 4. 3-1-2-4-5

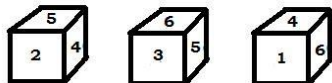
Question ID : 8161614816

Q.20 In a code language, if SAILOR is written as 21414192631, then how will MARBLE be written in the same language?

- Ans**
- ☒ 1. 1542392322
 - ☒ 2. 1542392116
 - ☒ 3. 1542382522
 - ☒ 4. 1542392318

Question ID : 8161614825

Q.21 Three different positions of the same non-standard dice are shown. Which number will be on the face opposite to the face with number 2?



- Ans**
- ☒ 1. 4
 - ☒ 2. 3
 - ☒ 3. 6
 - ☒ 4. 1

Question ID : 8161614836

Q.22 Select the option that is related to the third number in the same way as the second number is related to the first number.

3978 : 72 :: 5172 : ?

- Ans
- ☒ 1. 98
 - ☒ 2. 51
 - ☒ 3. 66
 - ☒ 4. 27

Question ID : 8161614833

Q.23 Select the option that is related to the third letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster.

JOKER : IKIUJLAIQS :: CLOWN : ?

- Ans
- ☒ 1. BDKMNPVXMO
 - ☒ 2. BDKNIUVXMO
 - ☒ 3. BDKMIUXYMO
 - ☒ 4. BDKMIUVXMO

Question ID : 8161614815

Q.24 'Theatre' is related to 'Actor' in the same way as 'Circus' is related to '_____'.

- Ans
- ☒ 1. King
 - ☒ 2. Clown
 - ☒ 3. Referee
 - ☒ 4. Monitor

Question ID : 8161614819

Q.25 Which letter will replace the question mark (?) in the following series?

D, E, G, J, ?, S, Y

- Ans
- ☒ 1. L
 - ☒ 2. M
 - ☒ 3. N
 - ☒ 4. O

Question ID : 8161614826

Q.1 Select the most appropriate synonym of the given word.

ROUGH

- Ans
- ☒ 1. soft
 - ☒ 2. foul
 - ☒ 3. feathery
 - ☒ 4. coarse

Question ID : 8161614847

Given below are four sentences which are jumbled. Pick the option that gives the correct order.

- A. Notify your card issuer that your card is missing and that it should be blocked.
- B. Lastly, don't forget to check your account for any unauthorised withdrawals.
- C. A lost or stolen debit card can cause a lot of anxiety.
- D. So, the first thing you need to do is to contact your bank.

- Ans
- ☒ 1. CABD
 - ☒ 2. ADCB
 - ☒ 3. ACBD
 - ☒ 4. CDAB

Question ID : 8161614846

Q.3 Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'no substitution'.

I needs someone very strong to lift this heavy bag.

- Ans
- ☒ 1. am need
 - ☒ 2. no substitution
 - ☒ 3. am in need
 - ☒ 4. need

Question ID : 8161614844

Q.4 Select the most appropriate one-word substitution for the given words.

A speech made without preparation

- Ans
- ☒ 1. Extempore
 - ☒ 2. Speech
 - ☒ 3. Statement
 - ☒ 4. Debate

Question ID : 8161614851

Q.5 Select the correct indirect form of the given sentence.

The manager said to the staff, "Please work with dedication. You will be paid overtime whenever you work late."

- Ans
- ☒ 1. The manager begged the staff to work with dedication. He said you will be paid overtime whenever you work late.
 - ☒ 2. The manager said to the staff they will please work with dedication and will be paid overtime whenever they work late.
 - ☒ 3. The manager requests the staff to work with dedication and ensures them that they would be paid overtime whenever they work late.
 - ☒ 4. The manager requested the staff to work with dedication and ensured them that they would be paid overtime whenever they worked late.

Question ID : 8161614843

Q.6 Select the most appropriate meaning of the following idiom.

Make both ends meet

- Ans  1. Manage to reach two solutions
-  2. Manage expenses with just enough funds
-  3. Be able to travel to two places
-  4. Make two people patch up

Question ID : 8161614849

Q.7 Select the most appropriate option to fill in the blank in the given sentence.

The girl _____ stood first in the class is a close friend.

- Ans  1. whom
-  2. which
-  3. whose
-  4. who

Question ID : 8161614845

Q.8 Select the most appropriate meaning of the following idiom.

Be in the eye of a storm

- Ans  1. Be in conflict with many people
-  2. Be in the middle of a difficult situation
-  3. Be very worried due to something
-  4. Be caught in heavy rain

Question ID : 8161614850

Q.9 Identify the word that is misspelt.

- Ans  1. Irrelevant
-  2. Inosense
-  3. Special
-  4. Immediate

Question ID : 8161614853

Q.10 Identify the segment in the sentence which contains the grammatical error.

Nobody is allowed to entered the colony during the lockdown.

- Ans  1. Nobody
-  2. is allowed
-  3. to entered
-  4. during the lockdown

Question ID : 8161614839

Q.11 Select the correct passive form of the given sentence.

The volunteers ensured that no one was hurt.

- Ans ☒ 1. It was ensured by the volunteers that no one was hurt.
- ☐ 2. It had been ensured by the volunteers that no one was hurt.
- ☐ 3. It was being ensured by the volunteers that no one was hurt.
- ☐ 4. It was to be ensured by the volunteers that no one was hurt.

Question ID : 8161614841

Q.12 Select the most appropriate antonym of the given word.

WORSEN

- Ans ☐ 1. command
- ☐ 2. leave
- ☒ 3. improve
- ☐ 4. disappear

Question ID : 8161614848

Q.13 Select the correct indirect form of the given sentence.

The children said, "We are bored of sitting at home."

- Ans ☒ 1. The children said that they were bored of sitting at home.
- ☐ 2. The children are saying that they are bored of sitting at home.
- ☐ 3. The children said they were getting bored of sitting at home.
- ☐ 4. The children say that they are bored of sitting at home.

Question ID : 8161614842

Q.14 Select the most appropriate one-word substitution for the given words.

A quiet person who prefers to spend time alone

- Ans ☐ 1. Braggart
- ☒ 2. Introvert
- ☐ 3. Extrovert
- ☐ 4. Narcissist

Question ID : 8161614852

Q.15 Select the correct passive form of the given sentence.

I have completed the project.

- Ans ☒ 1. The project has been completed by me.
- ☐ 2. The project is being completed by me.
- ☐ 3. The project was completed by me.
- ☐ 4. The project is completed by me.

Question ID : 8161614840

Comprehension:

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 number.

The next period they had was History. The boys looked forward to it (1) _____. It was taught by Mr. Pillai who (2) _____ a name in the school for his kindness and (3) _____ humour. He was reputed to have never frowned at the boys at (4) _____ time. The music period was (5) _____ last in the morning. It was not such a dull hour after all.

SubQuestion No : 16

Q.16 Select the most appropriate word to fill in blank no. 1.

- Ans
- ☒ 1. promptly
 - ☒ 2. heavily
 - ☒ 3. evenly
 - ☒ 4. eagerly

Question ID : 8161614855

Comprehension:

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 number.

The next period they had was History. The boys looked forward to it (1) _____. It was taught by Mr. Pillai who (2) _____ a name in the school for his kindness and (3) _____ humour. He was reputed to have never frowned at the boys at (4) _____ time. The music period was (5) _____ last in the morning. It was not such a dull hour after all.

SubQuestion No : 17

Q.17 Select the most appropriate word to fill in blank no. 2.

- Ans
- ☒ 1. was earned
 - ☒ 2. had earned
 - ☒ 3. can earn
 - ☒ 4. has earned

Question ID : 8161614856

Comprehension:

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 number.

The next period they had was History. The boys looked forward to it (1) _____. It was taught by Mr. Pillai who (2) _____ a name in the school for his kindness and (3) _____ humour. He was reputed to have never frowned at the boys at (4) _____ time. The music period was (5) _____ last in the morning. It was not such a dull hour after all.

SubQuestion No : 18

Q.18 Select the most appropriate word to fill in blank no. 3.

- Ans
- ☒ 1. good
 - ☒ 2. better
 - ☒ 3. smiling
 - ☒ 4. best

Question ID : 8161614857

Comprehension:

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 number.

The next period they had was History. The boys looked forward to it (1) _____. It was taught by Mr. Pillai who (2) _____ a name in the school for his kindness and (3) _____ humour. He was reputed to have never frowned at the boys at (4) _____ time. The music period was (5) _____ last in the morning. It was not such a dull hour after all.

SubQuestion No : 19

Q.19 Select the most appropriate word to fill in blank no. 4.

- Ans  1. this
 2. any
 3. that
 4. some

Question ID : 8161614858

Comprehension:

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 number.

The next period they had was History. The boys looked forward to it (1) _____. It was taught by Mr. Pillai who (2) _____ a name in the school for his kindness and (3) _____ humour. He was reputed to have never frowned at the boys at (4) _____ time. The music period was (5) _____ last in the morning. It was not such a dull hour after all.

SubQuestion No : 20

Q.20 Select the most appropriate word to fill in blank no. 5.

- Ans  1. the
 2. a
 3. for
 4. to

Question ID : 8161614859

Comprehension:

Read the given passage and answer the questions that follow.

The room in which the boys were fed, was a large stone hall, with a copper vessel at one end, out of which the master ladled the gruel at mealtimes. Of this festive composition each boy had one bowl, and no more — except on occasions of great public rejoicing, when he had two ounces and a quarter of bread besides.

The bowls never wanted washing. The boys polished them with their spoons till they shone again; and when they had performed this operation, they would sit staring at the copper vessel with eager eyes employing themselves, meanwhile, in sucking their fingers.

Oliver Twist and his companions suffered the tortures of slow starvation for three months; at last they got so voracious and wild with hunger, that one boy, who was tall for his age, hinted darkly to his companions, that unless he had another basin of gruel, he was afraid he might some night happen to eat the boy who slept next to him. He had a wild, hungry eye; and they implicitly believed him. A council was held; lots were cast about who should walk up to the master after supper that evening, and ask for more; and it fell to Oliver Twist.

The evening arrived; the boys took their places.

The gruel was served. The boys whispered to each other, and winked at Oliver; while his next neighbors nudged him.

Oliver rose from the table; and advancing to the master, basin and spoon in hand, said, "Please, sir, I want some more."

The master aimed a blow at Oliver's head and shrieked aloud.

SubQuestion No : 21

Q.21 The writer says that 'the bowls never wanted washing' because:

Ans



1. the boys ate up every little bit in the bowls



2. they were left to be cleaned by the assistants



3. the boys cleaned them nicely with their hands



4. there was a lot of gruel still left in them

Question ID : 8161614861

Comprehension:

Read the given passage and answer the questions that follow.

The room in which the boys were fed, was a large stone hall, with a copper vessel at one end, out of which the master ladled the gruel at mealtimes. Of this festive composition each boy had one bowl, and no more — except on occasions of great public rejoicing, when he had two ounces and a quarter of bread besides.

The bowls never wanted washing. The boys polished them with their spoons till they shone again; and when they had performed this operation, they would sit staring at the copper vessel with eager eyes employing themselves, meanwhile, in sucking their fingers.

Oliver Twist and his companions suffered the tortures of slow starvation for three months; at last they got so voracious and wild with hunger, that one boy, who was tall for his age, hinted darkly to his companions, that unless he had another basin of gruel, he was afraid he might some night happen to eat the boy who slept next to him. He had a wild, hungry eye; and they implicitly believed him. A council was held; lots were cast about who should walk up to the master after supper that evening, and ask for more; and it fell to Oliver Twist.

The evening arrived; the boys took their places.

The gruel was served. The boys whispered to each other, and winked at Oliver; while his next neighbors nudged him.

Oliver rose from the table; and advancing to the master, basin and spoon in hand, said, "Please, sir, I want some more."

The master aimed a blow at Oliver's head and shrieked aloud.

SubQuestion No : 22

Q.22 When Oliver Twist asked for more gruel:

Ans



1. the other boys supported him



2. the other boys laughed at him



3. the master threw the gruel at him



4. the master screamed loudly

Question ID : 8161614864

Comprehension:

Read the given passage and answer the questions that follow.

The room in which the boys were fed, was a large stone hall, with a copper vessel at one end, out of which the master ladled the gruel at mealtimes. Of this festive composition each boy had one bowl, and no more — except on occasions of great public rejoicing, when he had two ounces and a quarter of bread besides.

The bowls never wanted washing. The boys polished them with their spoons till they shone again; and when they had performed this operation, they would sit staring at the copper vessel with eager eyes employing themselves, meanwhile, in sucking their fingers.

Oliver Twist and his companions suffered the tortures of slow starvation for three months; at last they got so voracious and wild with hunger, that one boy, who was tall for his age, hinted darkly to his companions, that unless he had another basin of gruel, he was afraid he might some night happen to eat the boy who slept next to him. He had a wild, hungry eye; and they implicitly believed him. A council was held; lots were cast about who should walk up to the master after supper that evening, and ask for more; and it fell to Oliver Twist.

The evening arrived; the boys took their places.

The gruel was served. The boys whispered to each other, and winked at Oliver; while his next neighbors nudged him.

Oliver rose from the table; and advancing to the master, basin and spoon in hand, said, "Please, sir, I want some more."

The master aimed a blow at Oliver's head and shrieked aloud.

SubQuestion No : 23

Q.23 The boys held a meeting in order to decide:

Ans

- ☒ 1. who would tell the master they wanted more food
- ☐ 2. who would steal the food from the kitchen
- ☐ 3. who would help the master in the hall
- ☐ 4. who would beat the tall boy for his wildness

Question ID : 8161614863

Comprehension:

Read the given passage and answer the questions that follow.

The room in which the boys were fed, was a large stone hall, with a copper vessel at one end, out of which the master ladled the gruel at mealtimes. Of this festive composition each boy had one bowl, and no more — except on occasions of great public rejoicing, when he had two ounces and a quarter of bread besides.

The bowls never wanted washing. The boys polished them with their spoons till they shone again; and when they had performed this operation, they would sit staring at the copper vessel with eager eyes employing themselves, meanwhile, in sucking their fingers.

Oliver Twist and his companions suffered the tortures of slow starvation for three months; at last they got so voracious and wild with hunger, that one boy, who was tall for his age, hinted darkly to his companions, that unless he had another basin of gruel, he was afraid he might some night happen to eat the boy who slept next to him. He had a wild, hungry eye; and they implicitly believed him. A council was held; lots were cast about who should walk up to the master after supper that evening, and ask for more; and it fell to Oliver Twist.

The evening arrived; the boys took their places.

The gruel was served. The boys whispered to each other, and winked at Oliver; while his next neighbors nudged him.

Oliver rose from the table; and advancing to the master, basin and spoon in hand, said, "Please, sir, I want some more."

The master aimed a blow at Oliver's head and shrieked aloud.

SubQuestion No : 24

Q.24 Which of the following is NOT an indication of the boys being poorly fed?

Ans

- ☐ 1. One tall boy said he might eat someone
- ☐ 2. The boys starved for three months
- ☐ 3. They would sit staring at the copper, with eager eyes
- ☒ 4. The boys whispered to each other

Question ID : 8161614862

Comprehension:

Read the given passage and answer the questions that follow.

The room in which the boys were fed, was a large stone hall, with a copper vessel at one end, out of which the master ladled the gruel at mealtimes. Of this festive composition each boy had one bowl, and no more — except on occasions of great public rejoicing, when he had two ounces and a quarter of bread besides.

The bowls never wanted washing. The boys polished them with their spoons till they shone again; and when they had performed this operation, they would sit staring at the copper vessel with eager eyes employing themselves, meanwhile, in sucking their fingers.

Oliver Twist and his companions suffered the tortures of slow starvation for three months; at last they got so voracious and wild with hunger, that one boy, who was tall for his age, hinted darkly to his companions, that unless he had another basin of gruel, he was afraid he might some night happen to eat the boy who slept next to him. He had a wild, hungry eye; and they implicitly believed him. A council was held; lots were cast about who should walk up to the master after supper that evening, and ask for more; and it fell to Oliver Twist.

The evening arrived; the boys took their places.

The gruel was served. The boys whispered to each other, and winked at Oliver; while his next neighbors nudged him.

Oliver rose from the table; and advancing to the master, basin and spoon in hand, said, "Please, sir, I want some more."

The master aimed a blow at Oliver's head and shrieked aloud.

SubQuestion No : 25

Q.25 The passage throws light on:

- Ans
- ☒ 1. the kindness of people who looked after the boys
 - ☒ 2. the starvation faced by boys living in a home for the poor
 - ☒ 3. playful and mischievous behaviour of the boys
 - ☒ 4. how Oliver and other boys were well cared for in school

Question ID : 8161614865

Q.1 A shopkeeper announced a 30% discount on the marked price of an item. A person bought the item from the shop for ₹21,000 after getting the discount, and sold the item to a customer in such a way that he earned a profit of 32% on the marked price. What is the profit (in ₹) the person earned by selling the item?

- Ans
- ☒ 1. 18,600
 - ☒ 2. 9,600
 - ☒ 3. 21,600
 - ☒ 4. 10,000

Question ID : 8161614873

Q.2 A train covers a certain distance in 45 minutes. If its speed is reduced by 5 km/h, it takes 5 minutes more to cover the same distance. The distance (in km) is:

- Ans
- ☒ 1. 35
 - ☒ 2. 32.5
 - ☒ 3. 40
 - ☒ 4. 37.5

Question ID : 8161614880

Q.3 Working for 9 hours a day, X can finish a task in 3 days, Y can finish three times of the same task in 8 days, and Z can finish five times of the same task in 12 days. Working together, in how many hours will they complete the task?

- Ans
- ☒ 1. 9
 - ☒ 2. 10
 - ☒ 3. 12
 - ☒ 4. 8

Question ID : 8161614879

Q.4 When a certain number is divided by 52, the remainder is 49. When the same number is divided by 13, the remainder is x . What is the value of $\sqrt{5x-1}$?

- Ans
- ☒ 1. 6
 - ☒ 2. 7
 - ☒ 3. 8
 - ☒ 4. 11

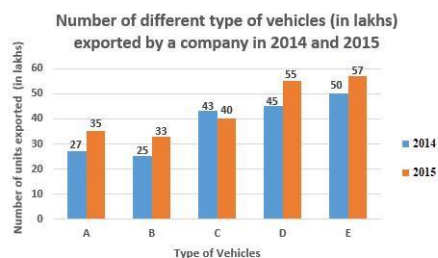
Question ID : 8161614867

Q.5 A can finish a task in 45 days and B can finish the same task in 30 days. They work together for 3 days and then A leaves. In how many days will B finish the remaining task?

- Ans
- ☒ 1. 20
 - ☒ 2. 5
 - ☒ 3. 18
 - ☒ 4. 25

Question ID : 8161614878

Q.6 Study the given graph and answer the question that follows.



The total number of vehicles of types B, C and E exported in 2014 is what percentage of the total number of vehicles of types A, B, C, D and E exported in 2015 (correct to one decimal place)?

- Ans
- ☒ 1. 53.6%
 - ☒ 2. 61.6%
 - ☒ 3. 63.8%
 - ☒ 4. 62.4%

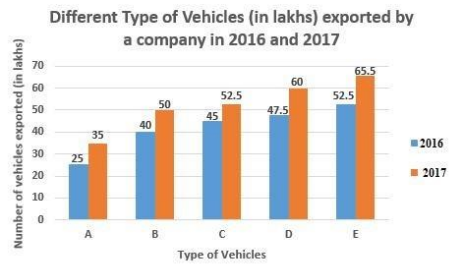
Question ID : 8161614890

Q.7 If $2\cos^2\theta = 3\sin\theta$, $0^\circ < \theta < 90^\circ$, then the value of $\left(\frac{1}{2}\operatorname{cosec}^2\theta - \cot^2\theta\right)$ is:

- Ans
- ☒ 1. -1
 - ☒ 2. 0
 - ☒ 3. $\frac{1}{4}$
 - ☒ 4. $\frac{1}{2}$

Question ID : 8161614887

Q.8 Study the given graph and answer the question that follows:



The total number of vehicles of types C and D exported by the company in 2017 is by what percentage more than the total number of vehicles of types A, B and C exported in 2016 (correct to one decimal place)?

- Ans**
- ☒ 1. 2.3%
 - ☐ 2. 3.5%
 - ☐ 3. 2.1%
 - ☐ 4. 1.9%

Question ID : 8161614889

Q.9 When 200 is divided by a positive integer x , the remainder is 12. How many values of x are possible?

- Ans**
- ☒ 1. 3
 - ☐ 2. 6
 - ☐ 3. 2
 - ☐ 4. 8

Question ID : 8161614866

Q.10 If $(2x + 3y + 4)(2x + 3y - 5)$ is equal to $(ax^2 + by^2 + 2hxy + 2gx + 2fy + c)$, then what is the value of $\{3(g - f - c)/ab\}$?

- Ans**
- ☐ 1. $\frac{31}{24}$
 - ☒ 2. $\frac{41}{24}$
 - ☐ 3. $\frac{25}{24}$
 - ☐ 4. 1

Question ID : 8161614884

Q.11 A vendor marked the price of an item 25% above the cost. If he offers a discount of 15% on the marked price, then what is his gain/loss percentage?

- Ans**
- ☐ 1. No gain no loss
 - ☒ 2. Gain: 6.25%
 - ☐ 3. Gain: 5%
 - ☐ 4. Loss: 5%

Question ID : 8161614870

Q.12 $\triangle ABC \sim \triangle QRP$. If the ratio of the area of $\triangle ABC$ to the area of $\triangle PQR$ is $576 : 169$, $AB = 10$ cm, $AC = 12$ cm and $BC = 13$ cm, then the length of PR (in cm) is equal to:

Ans

- ☒ 1. $\frac{169}{10}$
- ☒ 2. $\frac{169}{11}$
- ☒ 3. $\frac{169}{24}$
- ☒ 4. $\frac{169}{12}$

Question ID : 8161614886

Q.13 A sum of ₹4,360 was to be divided among A, B, C and D in the ratio of $3 : 4 : 5 : 8$, but it was divided in the ratio $\frac{1}{3} : \frac{1}{4} : \frac{1}{5} : \frac{1}{8}$ by mistake. Which of the following statements will hold true as a result?

Ans

- ☒ 1. C received ₹130 less
- ☒ 2. D received ₹1,144 more
- ☒ 3. B received ₹318 less
- ☒ 4. A received ₹956

Question ID : 8161614876

Q.14 The length of a rectangle is increased by 10% and the breadth is increased by 25%. What is the percentage change in its area?

Ans

- ☒ 1. Decrease of 25%
- ☒ 2. Decrease of 37.5%
- ☒ 3. Increase of 37.5%
- ☒ 4. Increase of 25%

Question ID : 8161614871

Q.15 The area of a field in the shape of a hexagon is $3750\sqrt{3}\text{m}^2$. What will be the cost (in ₹) of putting fence around it at ₹29 per metre?

Ans

- ☒ 1. 7,250
- ☒ 2. 9,425
- ☒ 3. 10,150
- ☒ 4. 8,700

Question ID : 8161614882

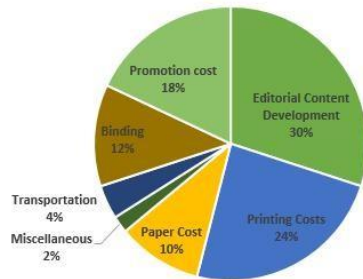
Q.16 A spends 80% of her income. When her income is increased by 30%, she increases her expenditure by 30%. By what percentage are her savings increased or decreased?

Ans

- ☒ 1. Increase of 30%
- ☒ 2. Decrease of 30%
- ☒ 3. Decrease of 50%
- ☒ 4. Increase of 50%

Question ID : 8161614872

Q.17 The following pie chart represents the expenditure incurred in printing a magazine:



If the editorial content development cost of the magazine is ₹48,000, then the cost (in ₹) of binding is:

- Ans
- ☒ 1. 18,000
 - ☒ 2. 38,400
 - ☒ 3. 19,200
 - ☒ 4. 36,000

Question ID : 8161614888

Q.18 A man travels the first part of his journey at 80 km/h and the second part at 120 km/h, and covers a total distance of 3840 km to his destination in 40 hours. How long did the first part of his journey last?

- Ans
- ☒ 1. 36 hours
 - ☒ 2. 24 hours
 - ☒ 3. 12 hours
 - ☒ 4. 18 hours

Question ID : 8161614881

Q.19 Three merchants, A, B and C, sell sewing machines at the same list price. Merchant A allows two successive discounts of 30% and 16%; merchant B allows two successive discounts of 20% and 26%, and merchant C allows two successive discounts of 25% and 20%. Which merchant should a customer choose to get the maximum discount?

- Ans
- ☒ 1. Merchant A
 - ☒ 2. Merchant B
 - ☒ 3. Merchant C
 - ☒ 4. Either merchant B or merchant C

Question ID : 8161614874

Q.20 Five years ago, the average of the ages of 4 persons was 40 years. If a new person joins the group now, then the average of the ages all five persons is 46 years. The age of the fifth person (in years) is:

- Ans
- ☒ 1. 47
 - ☒ 2. 50
 - ☒ 3. 55
 - ☒ 4. 48

Question ID : 8161614868

Q.21 In $\triangle ABC$, D is a point on BC such that $\angle BAD = \frac{1}{2} \angle ADC$, $\angle BAC = 84^\circ$ and $\angle C = 42^\circ$. What is the measure of $\angle ADB$?

- Ans
- ☒ 1. 68°
 - ☒ 2. 72°
 - ☒ 3. 94°
 - ☒ 4. 102°

Question ID : 8161614885

Q.22 The average of the weights of boys in a class is 69.3 kg and that of girls in the same class is 59.4 kg. If the average of the weights of all the boys and girls in the class is 63.8 kg, then the percentage of the number of girls in the class is:

- Ans
- ☒ 1. $45\frac{5}{9}\%$
 - ☒ 2. $54\frac{5}{9}\%$
 - ☒ 3. $44\frac{5}{9}\%$
 - ☒ 4. $55\frac{5}{9}\%$

Question ID : 8161614869

Q.23 The compound interest (in ₹) on a sum of ₹12,000 at 10% per annum for 1.5 years, interest compounded half-yearly, is:

- Ans
- ☒ 1. 1,900
 - ☒ 2. 1,750
 - ☒ 3. 1,821.50
 - ☒ 4. 1,891.50

Question ID : 8161614877

Q.24 A mixture contains acid and water in the ratio of 6 : 1. On adding 12 litres of water to the mixture, the ratio of acid to water becomes 3 : 2. The quantity of water (in litres) in the original mixture was:

- Ans
- ☒ 1. 5
 - ☒ 2. 3.5
 - ☒ 3. 6
 - ☒ 4. 4

Question ID : 8161614875

Q.25 If $x + y = 7$ and $xy = 12$, then the value of $\left(\frac{1}{x^3} + \frac{1}{y^3}\right)$ is:

- Ans
- ☒ 1. 1
 - ☒ 2. $\frac{191}{1728}$
 - ☒ 3. $\frac{97}{1728}$
 - ☒ 4. $\frac{91}{1728}$

Question ID : 8161614883

Q.1 In Nagaland, a 'Veer Smriti' memorial has been set up, which is dedicated to the 357 Army and Assam Rifles personnel killed while fighting insurgency. This memorial is situated in:

- Ans
- ☐ 1. Dimapur
 - ☒ 2. Mokokchung
 - ☐ 3. Kohima
 - ☐ 4. Wokha

Question ID : 8161614893

Q.2 In January 2020, the Indian Navy launched 'Operation Vanilla' to provide assistance to the cyclone-affected population of:

- Ans
- ☐ 1. Fiji
 - ☐ 2. Maldives
 - ☒ 3. Madagascar
 - ☐ 4. Indonesia

Question ID : 8161614895

Q.3 Which of the following instruments is used for measuring radiation?

- Ans
- ☐ 1. Carburettor
 - ☒ 2. Bolometer
 - ☐ 3. Calliper
 - ☐ 4. Galvanometer

Question ID : 8161614900

Q.4 The famous 'chauri'-bearer statue found at Didarganj, Bihar, is classified as belonging to the _____ period.

- Ans
- ☒ 1. Mauryan
 - ☐ 2. Mughal
 - ☐ 3. Gupta
 - ☐ 4. Rashtrakuta

Question ID : 8161614892

Q.5 In January 2020, who among the following was conferred the Ayurveda Ratan Award at the European Parliament?

- Ans
- ☐ 1. Pankaj Naram
 - ☒ 2. Pratap Chauhan
 - ☐ 3. Acharya Balkrishan
 - ☐ 4. Baba Ramdev

Question ID : 8161614910

Q.6 An initiative by the Union Government for encouraging farmers to set up solar power generation capacity on their fallow/barren lands and sell it to the grid is called:

- Ans
- ☒ 1. PM-KUSUM
 - ☐ 2. PM-CARES
 - ☐ 3. PM-UDAN
 - ☐ 4. PM-SAMMAN

Question ID : 8161614913

Q.7 In January 2020, which of the following companies appointed Arvind Krishna as its Chief Executive Officer (CEO)?

- Ans ☒ 1. IBM
☐ 2. General Motors
☐ 3. PhonePe
☐ 4. Apple

Question ID : 8161614911

Q.8 Which of the following is the hottest planet of our solar system?Ans

- ☐ 1. Jupiter
☐ 2. Mars
☐ 3. Mercury
☒ 4. Venus

Question ID : 8161614897

Q.9 Who among the following is the editor and translator of the book titled 'The Diary of Manu Gandhi (1943-44)'?

- Ans ☐ 1. Basudev Chatterjee
☐ 2. Ramchandra Guha
☒ 3. Tridip Suhrud
☐ 4. Pratap Bhanu Mehta

Question ID : 8161614909

Q.10 In which of the following states is the Umiam Lake, popularly known as the Barapani Lake, located?

- Ans ☒ 1. Meghalaya
☐ 2. Arunachal Pradesh
☐ 3. Nagaland
☐ 4. Sikkim

Question ID : 8161614903

Q.11 In the beginning of every year, the first session of the Parliament of India starts with a joint sitting of both the houses. Who among the following addresses it to inform about the causes of its summons?

- Ans ☐ 1. Prime Minister
☒ 2. President
☐ 3. Speaker
☐ 4. Vice President

Question ID : 8161614912

Q.12 Noted artist Jaswant Singh Kanwal, who passed away in February 2020, was a famous:Ans

- ☐ 1. musician
☐ 2. singer
☐ 3. dancer
☒ 4. writer

Question ID : 8161614891

Q.13 As per the Union Budget 2020, by when does India aim to achieve the eradication of tuberculosis?

- Ans
- ☒ 1. 2024
 - ☒ 2. 2026
 - ☒ 3. 2025
 - ☒ 4. 2023

Question ID : 8161614894

Q.14 In which of the following states is the Azhikkal seaport situated? Ans

- ☒ 1. Kerala
- ☒ 2. Andhra Pradesh
- ☒ 3. Maharashtra
- ☒ 4. Odisha

Question ID : 8161614902

Q.15 Which of the following rivers is NOT a tributary of Yamuna river?

- Ans
- ☒ 1. Hindan
 - ☒ 2. Betwa
 - ☒ 3. Son
 - ☒ 4. Chambal

Question ID : 8161614901

Q.16 The metals that produce a sound on striking a hard surface are called:

- Ans
- ☒ 1. ferrous
 - ☒ 2. sonorous
 - ☒ 3. porous
 - ☒ 4. igneous

Question ID : 8161614899

Q.17 In which of the following Indian states are the Mishmi Hills mainly spread?

- Ans
- ☒ 1. Meghalaya
 - ☒ 2. Uttarakhand
 - ☒ 3. Sikkim
 - ☒ 4. Arunachal Pradesh

Question ID : 8161614904

Q.18 To which of the following countries does tennis star Kristina Mladenovic belong? Ans

- ☒ 1. France
- ☒ 2. Germany
- ☒ 3. USA
- ☒ 4. Japan

Question ID : 8161614915

Q.19 In the context of Mughal administration, the term ‘polaj’ stood for a:

- Ans
- ☒ 1. type of weapon
 - ☒ 2. type of land for revenue assessment
 - ☒ 3. land granted to religious personalities
 - ☒ 4. soldier

Question ID : 8161614906

Q.20 Who among the following Indians set up the ‘Phoenix Institute’ in an African country?

- Ans
- ☒ 1. Devendranath Tagore
 - ☒ 2. Mahatma Gandhi
 - ☒ 3. Dadabhai Noroji
 - ☒ 4. Lala Lajpat Rai

Question ID : 8161614908

Q.21 In which of the following places was the Hindustan Socialist Republican Association (HSRA) founded in 1928?

- Ans
- ☒ 1. Delhi
 - ☒ 2. Amritsar
 - ☒ 3. Karachi
 - ☒ 4. Lahore

Question ID : 8161614905

Q.22 Which of the following is the oldest paramilitary force in India?

- Ans
- ☒ 1. Assam Rifles
 - ☒ 2. Central Reserve Police Force
 - ☒ 3. Central Industrial Security Force
 - ☒ 4. Indo-Tibetan Border Police

Question ID : 8161614914

Q.23 King Kharavela, the ancient Indian king whose biography is found in the famous Hathigumpha inscription, ruled from:

- Ans
- ☒ 1. Kuntala
 - ☒ 2. Gauda
 - ☒ 3. Kalinga
 - ☒ 4. Andhra

Question ID : 8161614907

Q.24 As per the Economic Survey 2019-20, India aspires to be a 5 trillion dollar economy by which year?

- Ans
- ☒ 1. 2025
 - ☒ 2. 2026
 - ☒ 3. 2023
 - ☒ 4. 2030

Question ID : 8161614896

Q.25 Which of the following fibres is an example of a semi-synthetic polymer? ^{Ans}



1. Nylon



2. Carbon fibre



3. Rayon



4. Polyester

Question ID : 8161614898