## Previous Year Paper

 Matric Level(14 Oct 2019 Shift 1)

## Examination for Selection Posts Phase VII 2019

| Roll No. |  |
| :--- | :--- |
| Registration No. |  |
| Name |  |
| Test Venue | iON Digital Zone iDZ Hooghly |
| Test Time | 1:00 PM $-2: 00$ PM |
| Test Date | 14/10/2019 |
| Subject | Selection Post Matriculation Level |

Section: General Intelligence
Q. 1 Which of the option figure will replace the question mark (?) to continue the figure series given below?


Ans

$\times 2$

Q. 2 'Egypt' is related to 'Africa' in the same way as 'Singapore' is related to ' $\qquad$ '.
Ans
X 1 . Europe
X 2. Canada

- 3 . Asia

X 4. Yerusalam
Q. 3 In a code language, 'FOAG' is written as 'PGHB'. How will 'LAMB' be written as in that language?
Ans

1. BMCN
2. CNCM
Q. 4 In a code language, if 'FAST' is coded as '3628', 'CLOSE' is coded as '14927' then how will 'LEAF' be coded in the same language?
Ans
3. 4763
< 2.1789
× 3.3784
X 4.2863
Q. 5 Which option represents the correct order of the given words as they would appear in English dictionary?
4. Party
5. Parcel
6. Pardon
7. Parking
8. Pattern

Ans
X $1.5,2,3,4,1$

- $2.2,3,4,1,5$

X 3, 2, 4, 3, 1, 5
>4.3,2,4,1,5
Q. 6 Select the combination of letters that when sequentially placed in the gaps of the given letter series will complete the series.
_ UK_D_KZD_KZ
Ans

- 1.DZUU

X ${ }^{2}$. UZDU
X3. DuZz
X4. DZUZ
Q. 7 Select the correct alternative to indicate the arrangement of the following words in a logical and meaningful order.

1. Dough
2. Wheat
3. Grinding
4. Flour
5. Cooking

Ans
< 1.3,4,2,5,1
< 2.2,3,1,5,4
3. $2,3,4,1,5$
Q. 8 In a code language, 'FACTORY' is written as 'ACFORTY'. How will ‘CONFIRM’ be written as in that language?
Ans
X 1. CIFMNOR
X 2. FICNMRO
X 3. CFINORM

* 4. CFIMNOR
Q. 9 Select the option that is related to the third number in the same way as the second number is related to the first number.

Ans
-1. 255
X 2.277
X 3.248
X4. 263
Q. 10 Two statements are given followed by two conclusions numbered I and II. 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:
All gardens are play-grounds.
No play-ground is house.
Conclusions:
I. Some gardens are houses.
II. Some play-grounds are gardens.

Ans

1. Both conclusion I and II follow.
2. Only Conclusion I follows. -
3. Neither Conclusion I nor II follows.

- 4. Only Conclusion II follows.
Q. 11 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 prizes are papers.
All papers are certificates.

## Conclusions:

I. Some certificates are papers.
II. Some certificates are prizes.
III. Some papers are prizes.

Ans
X 1. Only Conclusion I and III follow.
X 2. Only Conclusion II and III follow.
*
3. All conclusions follow.

X
4. Only Conclusion I and II follow.
Q. 12 If ' $P+Q$ ' means ' $P$ is father of $Q$ ', and ' $P \div Q$ ' means ' $P$ is mother of $Q$ ', then what is the meaning of the expression ' $A+B \div C^{\prime}$ ?
Ans

1. B is brother of C .

X 2. B is son of $A$.

- 3. A is maternal grandfather of C .
- 4. A is father of $C$.
Q. 13 Which letter cluster will replace the question mark (?) to complete the given series?

TPD, URG, ?, WVM
Ans
X1.VTM
> 2 . UTJ

- $3 . \mathrm{VT}$
>4. VUJ
Q. 14 In a code language, if 'NEST' is coded as '132287' then how will 'RAMP' be coded in the same language?
Ans
- 1.9261411

X 2.8261312
X 3.9241211
×4.9251411
Q. 15 Which two signs and two numbers should be interchanged to make the given equation correct?
$64-4 \times 2 \div 8+7=19$
Ans
-1.4 and $8, \div$ and -
X 2.64 and $8, \div$ and -
X 3.4 and $8,+$ and $\div$
X 4.7 and $8,+$ and $\times$
Q. 16 Ankit is brother of Vishal. Kartik is son of Arpit. Malini is mother of Oshi who is sister of Vishal. Ankit's father is the only son of Arpit. How is Malini related to Kartik?
Ans

- 1. Wife

2. Paternal granddaughter

X 3 . Sister
X4. Daughter
Q. 17 In a code language, if 'FOR' is coded as '78' then how will 'TUB' be coded in the same language?
Ans
Х1.90

- 2.86

X 3.92
>4.88
Q. 18 In a code language, 'SAINT' is written as 'UCKPV'. How will 'WASTE' be written as in that language?
Ans

1. YCUVG
>2. ZBTVG
X3.YCUUG
X $4 . \mathrm{ZCUVH}$
Q. 19 Which letter cluster will replace the question mark (?) to complete the given series?

BLACK, BLACL, BLADL, BLBDL, ?, CMBDL
Ans
X1. BLBEL

- 2. BMBDL

X3. BNBDL
X4. BMBDM
Q. 20 Select the combination of letters that when sequentially placed in the gaps of the given letter series will complete the series.
$\mathbf{M}_{-} \mathbf{Q}_{-} \mathbf{D M C} \mathbf{Z}_{\mathbf{-}} \mathbf{M C}_{-} \mathrm{YD}$
Ans
X1.CYQQD
X 2. CYDDQ

- 3. CYQDQ

X4.CQYQD
Q. 21 In a code language, 'TEMPER' is written as 'ETPMRE'. How will 'CHROME’ be written as in that language?
Ans
>1. CHEOMR
< 2. RHCEMO
< 3. HCROEM
4. HCOREM
Q. 22 Which number will replace the question mark (?) in the following series?

64, 65, 69, 78, 94, ?
Ans
X 1.122
X2. 2121

* 3.119
>4.120
Q. 23 Select the correct mirror image of the given number cluster when the mirror is placed to the right side of the cluster.

459872
Ans


×: S 86 G

- S「8eटA
Q. 24 Select the option that is related to the third word in the same way as the second word is related to the first word.

Realistic: Fictional : : Appreciation : ?
Ans
Х 1. Valuable
Х 2 . Unrealistic3. Criticism
(4. Praise
Q. 25 In a code language, if 'BEAUTY' is coded as '251212025' then how will 'FRIDGE' be
coded in the same language?
Ans
X 1.6178475
X 2.6784722

- 3.6189475

X4.5289385

Section : English Language Basic Knowledge
Q. 1 Identify the word that is misspelt.

Ans
X1. reality
Х 2. multiple
3. speciality

- 4 . acomodate

Comprehension:
Read the passage and answer the questions given below it.
We are all aware of the danger posed to our lives by pollution. The evidence on pollution's dangers is powerful. It is linked not just to breathing problems but also to increased rates of heart attacks, strokes, cancer, dementia, premature birth and much more. Those who live with polluted air are more likely to die prematurely.
It is especially important to protect those most vulnerable to dirty air's effects — children, older people and those with heart or lung conditions.
Here are some things we can do to help protect ourselves and our family.
One can begin by choosing one's route wisely. There are variations in pollution levels, within the same city - even the same neighborhood. It has been found that individuals take in different amounts of toxic air, depending on exactly where they live, and where their routines take them.
This insight can help us to limit the pollution we are exposed to. When walking, running or biking, "the things you can vary are, where do you go and when do you go," said Darby Jack, Associate Professor of Environmental Health at Columbia University. By doing these two
things we can bring about a reduction in exposure to pollution. Limiting exposure is particularly important during exercise, when we take in more air.

Thus staying clear of the busiest roads, even just by choosing a parallel route a block away, can halve the pollution one breathes in.
Route choice is as important for drivers as for pedestrians, since exhaust fumes can become even more concentrated inside a car.
Being careful about the time of day one travels can also be very helpful in protecting oneself against pollution. It has been found that travelling at less polluted times helps greatly because rush hours, as we all know, generally bring pollution peaks.
"It's basically about awareness," said Frank Kelly, director of the Environmental Research
Group at King's College, London. "You need to understand where you're being exposed the most, and then you need to be able to take measures to avoid that."

SubQuestion No: 2
Q. 2 Select the correct option.

## Air pollution is especially dangerous for

Ans

1. pedestrians, cyclists and bus drivers

* 2. elderly, children and people with lung problems

3. men and women above fifty
4. doctors who deal with respiratory diseases

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SubQuestion No: 3
Q. 3 Select the correct option.

If we select our route carefully we can
Ans

1. interact with our neighbours
2. halve the pollution we breathe in
3. get a free ride to work
4. find out about new car pools easily

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SubQuestion No: 4
Q. 4 Select the correct option.

Choosing the timing of our daily routine is important because one can
Ans

1. relax and use the mobile
2. get very good bargains
3. enjoy driving on empty roads4. avoid peak hour pollution

## Comprehension:

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We are all aware of the danger posed to our lives by pollution. The evidence on pollution's dangers is powerful. It is linked not just to breathing problems but also to increased rates of heart attacks, strokes, cancer, dementia, premature birth and much more. Those who live with polluted air are more likely to die prematurely.
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Group at King's College, London. "You need to understand where you're being exposed the most, and then you need to be able to take measures to avoid that."

## SubQuestion No: 5

Q. 5 Select the option that is incorrect.

Ans

1. There is nothing we can do to limit our exposure to pollution.
2. Becoming more aware about pollution can help fight pollution.

X 3. The route and timing of everyday travel can make a difference.
4. One must limit exposure to pollution especially while exercising.

## Comprehension:

Read the passage and answer the questions given below it.
We are all aware of the danger posed to our lives by pollution. The evidence on pollution's dangers is powerful. It is linked not just to breathing problems but also to increased rates of heart attacks, strokes, cancer, dementia, premature birth and much more. Those who live with polluted air are more likely to die prematurely.
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Group at King's College, London. "You need to understand where you're being exposed the most, and then you need to be able to take measures to avoid that."

SubQuestion No: 6
Q. 6 Select the correct option.

It is not safe to be inside an air-conditioned car because
Ans

1. we get exposed to other people's infections

Х 2. the congestion can trigger a heart attack
3. the car can overheat and explode

* 4 . it can be more toxic than outside
Q. 7 Select the most appropriate meaning of the underlined idiom in the given sentence.

Let's discuss what happened. Don't beat about the bush.
Ans

1. be very secretive and hide things

- 2. avoid talking about what is important

3. talk rudely and loudly

X4. confide about one's feelings
Q. 8 Select the most appropriate meaning of the underlined idiom in the given sentence.

My leaving the job with an NGO proved a blessing in disguise as I got a better job.
Ans

1. something that seems bad turns out to be good
2. something that seems good turns out to be bad

X 3. disguises can be blessings
X4. Sometimes blessings are not good
Q. 9 Identify the word that is misspelt.

Ans
X1. whisper
2 2. breathe

- 3. seperate
>4. reveal

My foreign guests really $\qquad$ the Indian food we served last night.
Ans $\times$ 1. was enjoying
X 2. enjoying

- 3. enjoyed

4. were enjoyed
Q. 11 Select the correct Passive Voice form of the sentence.

Bhula served delicious food to the guests.
Ans

1. Bhula has been serving delicious food to the guests.
2. Delicious food was being served by Bhula to the guests.
3. Bhula had served delicious food to the guests.

- 4. Delicious food was served to the guests by Bhula.
Q. 12 Select the correct Indirect form of the sentence.

Ravi said, "Juhi has gone to the ATM to withdraw money."
Ans

1. Ravi says that Juhi has gone to the ATM to withdraw money.
2. Ravi said, Juhi is gone to the ATM to withdraw money
3. Ravi says Juhi will have gone to the ATM to withdraw money.

- 4. Ravi said that Juhi had gone to the ATM to withdraw money.
Q. 13 Identify the word that is spelt correctly.

Ans
Х 1. quietely
X 2. famly

- 3. immediately

X4. homly
Q. 14 Select the most appropriate antonym of the given word.

DEVELOPED
Ans
X 1. artistic

- 2. backward

3 3. progressive
X4. modern
Q. 15 Select the most appropriate synonym of the given word.

AGITATED
Ans $\times$ 1.sure
X ${ }^{2}$. lazy
X 3. confident

* 4. upset
Q. 16 Select the word which means the same as the group of words given.

Far away from other places
Ans
X 1. crowded
> 2. scenic
X 3. wonderful

* 4. isolated
Q. 17 Select the word which means the same as the group of words given.

Suggesting that something unpleasant is likely to happen
Ans

1. promising
2. ominous

X 3. auspicious
X4. providential
Q. 18 Select the most appropriate synonym of the given word.

ELIMINATE
Ans
>1. offer
> 2 . grow

- 3. remove
(4. refuse
Q. 19 Select the correct option to fill in the blank.

At what time $\qquad$ you return from office last night?
Ans Х1. does
v 2 . did
X 3 . do
>4. were
Q. 20 Select the most appropriate antonym of the given word.

NORMAL
Ans
X 1. boring

- 2. strange

X 3. natural
X4. average

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 blank.

WanderTrust is a unique travel company that (1) $\qquad$ domestic and international trips. These personalised 'blind' trips, (2) $\qquad$ the destination and itinerary a secret (3) the customer till a day before (4) $\qquad$ journey. The pressure of planning (5) $\qquad$ off the shoulder of the client.

SubQuestion No : 21
Q. 21 Select the correct option to fill in the blank no. 1

Ans

- 1 . offers

1 2. offering
> 3. offered
X4. offer

## 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 blank.

WanderTrust is a unique travel company that (1) domestic and international trips.
These personalised 'blind' trips, (2) $\qquad$ the destination and itinerary a secret (3)
the customer till a day before (4) $\qquad$ journey. The pressure of planning (5) $\qquad$ off the shoulder of the client.

SubQuestion No: 22
Q. 22 Select the correct option to fill in the blank no. 2

Ans
X 1. make
X 2. start

- 3. keep
-4 .remain


## 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 blank.

WanderTrust is a unique travel company that (1) $\qquad$ domestic and international trips
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the customer till a day before (4) $\qquad$ journey. The pressure of planning (5) $\qquad$ off the
shoulder of the client.

SubQuestion No : 23
Q. 23 Select the correct option to fill in the blank no. 3

Ans
X 1. till
> ${ }^{2}$. with

- 3 . from
$\times 4$.to


## 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 blank.

WanderTrust is a unique travel company that (1) $\qquad$ domestic and international trips. These personalised 'blind' trips, (2) $\qquad$ the destination and itinerary a secret (3) the customer till a day before (4) $\qquad$ journey. The pressure of planning (5) $\qquad$ off the shoulder of the client.

SubQuestion No: 24
Q. 24 Select the correct option to fill in the blank no. 4

Ans
X 1.many
v 2 . the
>3.an
X 4.some

## 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 blank.

WanderTrust is a unique travel company that (1)__ domestic and international trips.
These personalised 'blind' trips, (2) $\qquad$ the destination and itinerary a secret (3)
the customer till a day before (4) $\qquad$ journey. The pressure of planning (5) $\qquad$ off the
shoulder of the client.
SubQuestion No: 25
Q. 25 Select the correct option to fill in the blank no. 5

Ans
Х 1. was completely
Х 2. will be complete
v 3 . is completely
4. had completed

## Section : Quantitative Aptitude Basic Arithmetic Skill

Q. 1 The average of 7 consecutive numbers is 20 . The largest of these numbers is:

Ans
X1. 25
X 2.20
X 3.21

- 4.23
Q. 2 If a nine-digit number $785 x 3678 y$ is divisible by 72 , then the value of $(7 x-5 y)$ is:

Ans
-1. 22
$\times 2.20$
$\times 3.14$
X4. 25
Q. 3 A trader marks his goods at $35 \%$ above the cost price. He sells $80 \%$ the goods at the marked price and rest, he sells by allowing $35 \%$ discount on the marked price. His profit percent is:
Ans
X 1.27 .55
2. 25.55

X 3. 20
$\times 4.35$

| Question ID: | $\mathbf{3 6 8 9 0 7 1 6 1}$ |
| ---: | :--- |
| Status:Not Attempted and <br> Marked For Review |  |
| Chosen Option: -- |  |

Q. 4 A sum of ₹ 12,500 is distributed among A, B, C and D such that A gets $₹ 800$ more than what B gets, C gets twice of what $B$ gets and $D$ gets $₹ 900$ more than what $A$ gets. The ratio in which $D, C, B$ and $A$ receive the sums is:

Ans
X 1. $28: 40: 20: 37$
X 2. $28: 20: 40: 37$
X 3. $37: 20: 40: 28$

- $4.37: 40: 20: 28$
Q. 5 If the seven digit number 5 x 634 y 2 is divisible by 88 such that $x \neq y$, then what is the value of $(2 y-3 x)$ ?

Ans
1.13
$\times 1.8$
$\times 2.8$
X 3.15

- 4.6
Q. 6 A shopkeeper earns a profit of $15 \%$ on selling a book at $15 \%$ discount on the printed price. The ratio of the cost price and the printed price of the book is:
Ans
X 1. $20: 23$
X 2. 23:20
X 3. $23: 17$
- $4.17: 23$
Q. 7 A can finish a work in 15 days and B can do the same work in twice the time taken by A. then, working together, what part of the same work they can finish in five days?
Ans
- $1.1 / 2$

X2. $4 / 5$
X ${ }^{3.1 / 3}$
X $4.1 / 5$
Q. 8 A student covers a distance by cycle at $6 \mathrm{~km} / \mathrm{h}$. He returns to the starting point in a bus at a speed of $42 \mathrm{~km} / \mathrm{h}$. The average speed (in $\mathrm{km} / \mathrm{h}$ ) for the entire journey is:
Ans
X1. 12.75
X 2. 24
X 3. 10.25

- 4.10 .5
Q. 9 The three numbers $\mathrm{A}, \mathrm{B}, \mathrm{C}$ are in the ratio $1 / 2: 2 / 3: 3 / 4$. The difference between greatest and smallest numbers is 21 . The three numbers $\mathrm{A}, \mathrm{B}$ and C respectively are:
Ans
>1. $56,42,63$
>2. $63,56,42$
Х $3.42,63,56$
ง 4. $42,56,63$
Q.10 A sum of $₹ 825$ is lent in the beginning of a year at a certain rate of interest. After 8 months, a sum of $₹ 412.50$ more is lent but at the rate twice the former. At the end of the year, ₹ 35.75 is earned as interest from both the loans. What was the original rate of interest?
Ans
X 1. 3\%
- 2. $3.25 \%$

X 3. $3.50 \%$
X 4.3.15\%
Q. 11 If 7 men and 4 women working together, can do five times as much work per hour as one man and one woman together, then the ratio of the work done by a man and that of a woman for a given time is:
Ans
Х1.2:3
$\times 2.3: 2$
>3.2:1
Q. 12 There are 1550 boys and girls in a school. The number of girls exceeds the number of boys by 500 . What is the percentage (to nearest integer) of girls in the school?
Ans
X 1. $67 \%$

- $2.66 \%$

X $3.64 \%$
X4. $65 \%$
Q. 13 The average of six numbers is 36 . If one number is excluded, the average becomes 37 . What is the excluded number?

Ans
$\times 1.37$
$X \quad 36$
$\times \quad 3$.
$\times 3.35 .5$

- 4.31
Q. 14 If a person sells a pen drive for ₹ 3192 , making a profit of $33 \%$, then the cost price (in ₹) of the pen drive is:

Ans

- 1. 2400

X 2. 2800
$\times 3.2750$
$\times 4.3000$
Q. 15 A train X running at $72 \mathrm{~km} / \mathrm{h}$ crosses another train Y running at $54 \mathrm{~km} / \mathrm{h}$ in opposite direction in 15 seconds. If the length of Y is two-fifth that of X , then what is the length (in meter) of X ?
Ans
-1. 375
$\times 2.150$
$\times 3.300$
X4.225
Q. 16 What is the area $\left(\right.$ in $\mathrm{cm}^{2}$ ) of a sector of a circle, with central angle $75^{\circ}$, when the diameter of the circle is 9 cm ?

Ans
X1. $185 \pi / 32$
$\times 2.135 \pi / 16$
X $3.185 \pi / 16$

- $435 \pi / 32$
Q. 17 If $3.4 \%$ of $600 \times 2.5 \%$ of $x=382.5$, then the value of $x$ is:

Ans
X 1.800
X 2. 775
$\times 3.825$

- 4.750
Q. 18 If $a+b+c=7$, and $a^{2}+b^{2}+c^{2}=33$, then what is the value of $a^{3}+b^{3}+c^{3}-3 a b c$ ?

Ans
X1. 257
$X$
$\times 2.287$
X 3.343

- 4.175
Q. 19 A shopkeeper sold an article for $₹ 540$ at some profit. Had he sold it for $₹ 470$, then there would have been a loss equal to one-sixth of the initial profit. What was the cost price (in ₹) of the article?

Ans
X 1.525

- 2. 480
$\times 3.505$
X4. 540
Q. 20 If $x-x^{-1}=6$, then the value of $x^{4}+x^{-4}$ is:

Ans
X 1.1158
$\times 2.1154$
X 3.1440

- 4.1442
Q. 21 The average of fourteen numbers is 46 . The average of first five is 43 and that of last six numbers is 49.5. The sixth and seventh numbers are respectively 4 and 8 greater than the eighth number. What is the average of sixth and seventh numbers?
Ans

1. 46
2. 48


## Section : General Awareness

Q. 1 Blood in urine or stool can be caused by the deficiency of which of the following vitamin?

Q. 5 Which of following Indian has won the Oscar twice?

Ans $>$ 1. Satyajit Ray
Х 2. Bhanu Athaiya
X3. Aamir Khan

* 4. A. R. Rahman
Q. 6 Tsunami is a type of

Ans
X 1. Cyclone
2. Thunder storm

X 3. Avalanche

- 4. Earth quake


## Q. 7 Which aspect of Indian constitution has been influenced from South Africa?

Ans

1. Imposition of Emergency
2. Removal of temporary provisions in any article

X 3. Fundamental rights

- 4. Election of members of Rajya Sabha
Q. 8 What was the first element discovered by Marie and Pierre Curie?

Ans

1. Polonium

X 2. Francium
X 3. Radium
X4. Uranium

## Q. 9 Which of the following match is correct?

Ans

1. Tabla - Zakir Hussain

Х 2. Santoor - Hariprasad Churasia
X 3. Shehnai - Allah Rakha

- 4. Sarod - Bismillah Khan
Q. 10 Which of following is NOT an Indian Classical Dance form?

Ans
X1. Mohiniattam
X 2. Manipuri
X 3. Odissi

* 4. Bhangra
Q. 11 lodine solution is used in milk testing to find the adulteration of $\qquad$ -

Ans
Х 1. Cellolose
X 2. Dextrose
3. Protein
v 4 . Starch


Q. 22 Who first time designed the current tricolour flag of Government of India?

Ans $\times$ 1. Hardyal Pandey
X 2. Bankim Chandra


