Adda247

SSC Selection Post Previous Year Papers 10 Nov 2020 shift 3 Graduation Post

Section : **General Intelligence**

Q.1 'East' is related to 'West' in the same way as 'North-east' is related to '_____'.

Ans
✗ 1. South-east
✔ 2. South-west
✗ 3. North
✗ 4. South

Question ID : **8161614615**
Status : **Answered**
Chosen Option : **2**

Q.2 In a code language, if CHAIR is written as 25 and BOTTLE is written as 36, then how will CAUTION be written in the same language?

Ans
✗ 1. 64
✔ 2. 49
✗ 3. 69
✗ 4. 81

Question ID : **8161614620**
Status : **Not Answered**
Chosen Option : **--**

Q.3 Select the correct option that indicates the arrangement of the following words/phrases in a logical and meaningful order.
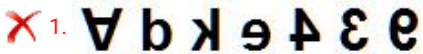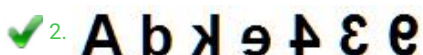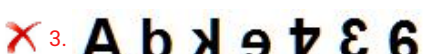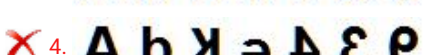
1. Police investigation
2. Punishment
3. Court hearing
4. Crime

Ans
✗ 1. 3, 1, 4, 2
✔ 2. 4, 1, 3, 2
✗ 3. 4, 3, 2, 1
✗ 4. 4, 1, 2, 3

Question ID : **8161614613**
Status : **Answered**
Chosen Option : **2**

Q.4 Select the correct mirror image of the given combination when the mirror is placed to its right side.

9 3 4 e k d A

Ans

✗ 1. Ɐ b ʞ ɘ 4 Ɛ 9

✓ 2. A b d ʞ ɘ 4 Ɛ 9

✗ 3. A b ʞ ɘ 4 Ɛ 9 6

✗ 4. A b ʞ ɘ 4 Ɛ 9

Q.5 Select the option that is related to the third number in the same way as the second number is related to the first number.

5 : 375 : : 9 : ?

Ans

✗ 1. 1985

✓ 2. 2187

✗ 3. 727

✗ 4. 465

Q.6 In a code language, FACIAL is written as CAFLAI. How will PARDON be written in that language?

Ans

✗ 1. RPANDO

✗ 2. RPANOD

✗ 3. RAPDNO

✓ 4. RAPNOD

Q.7 Which number will replace the question mark (?) in the following series?

21, 43, 45, 91, 93, ?

Ans

✗ 1. 99

✗ 2. 185

✗ 3. 95

✓ 4. 187

Q.8 Raj is married to Urmi, who is the daughter of Kanti. Dixit is the son of Kanti's only child. Gagan is Raj's son. How is Gagan related to Dixit's mother?
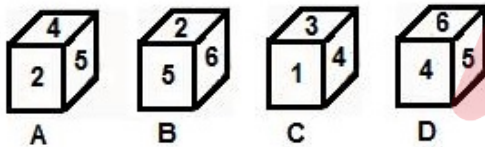
Ans ✔ 1. Son

✘ 2. Brother

✘ 3. Nephew

✘ 4. Uncle

Q.9 Select the dices that can be formed by folding the given sheet.

Ans ✔ 1. Only A and D

✘ 2. Only B and C

✘ 3. Only A, C and D

✘ 4. Only A and C

Q.10 Select the option that represents the letters that, when placed from left to right in the blanks below, will complete the letter series.

c _ _ r n _ c f _ r n p _ f x _ n p

Ans
✗ 1. x f p x n r

✗ 2. f p c x r c

✗ 3. f x r n c p

✔ 4. f x p x c r

Q.11 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 dustbins are plastics.
All geysers are plastics.

Conclusions:
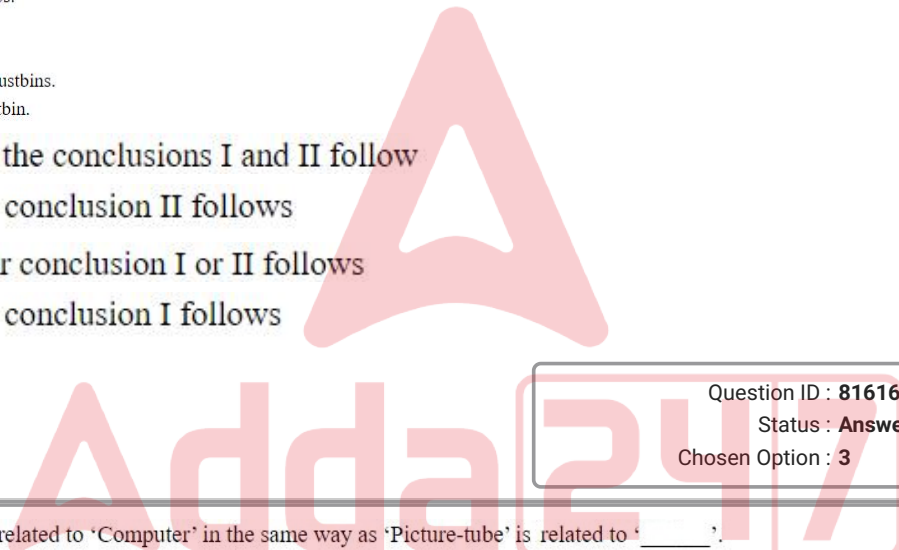I. Some geysers are dustbins.
II. No geyser is a dustbin.

Ans
✗ 1. Both the conclusions I and II follow

✗ 2. Only conclusion II follows

✔ 3. Either conclusion I or II follows

✗ 4. Only conclusion I follows

Q.12 'Motherboard' is related to 'Computer' in the same way as 'Picture-tube' is related to '_____'.

Ans
✗ 1. Machine

✔ 2. Televisions

✗ 3. Electricity

✗ 4. Images

Q.13 In a code language, if MOTHER is written as 2630408518, then how will GAMING be written in the same language?

Ans
✗ 1. 162269137
✗ 2. 72269147
✔ 3. 142269147
✗ 4. 1422681414

Q.14 Select the letter-cluster that is related to the third letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster.

DORMA : DPURG : : CASTO : ?

Ans
✔ 1. RWVDF
✗ 2. RVVDG
✗ 3. FDPWZ
✗ 4. TVWEF

Q.15 In a code language, if TARGET is written as 17 and SILK is written as 15, then how will FROST be written in the same language?

Ans
✗ 1. 55
✔ 2. 87
✗ 3. 111
✗ 4. 77

Q.16 Select the option that represents the correct order of the given words as they would appear in an English dictionary.

1. Predator
2. Prejudice
3. Prevalent
4. Prepare
5. Precaution

Ans
✗ 1. 4, 1, 2, 5, 3
✗ 2. 5, 2, 1, 4, 3
✗ 3. 5, 1, 2, 3, 4
✔ 4. 5, 1, 2, 4, 3

Q.17 In a code language, MAGIC is written as QBKJG. How will FIEST be written in that language?

Ans

✗ 1. JMIWX

✗ 2. ILHVW

✔ 3. JJFWX

✗ 4. GJFTU

Q.18 Three 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:
Each tissue is a bone.
All ligaments are bones.
All bones are muscles.

Conclusions:
I. Some muscles are ligaments.
II. All tissues are muscles.
III. No bone is a ligament.

Ans

✗ 1. Only conclusions II and III follow

✗ 2. Only conclusions I and III follow

✔ 3. Only conclusions I and II follow

✗ 4. All conclusions follow
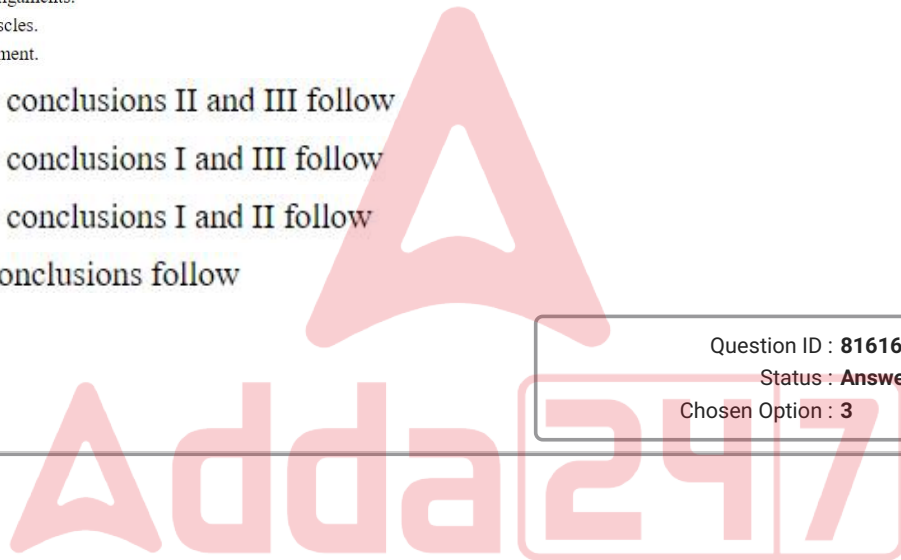
Q.19 Select the figure that will come next in the following figure series.

Ans

✗ 1.

✔ 2.

✗ 3.

✗ 4.

Q.20 Select the letter-cluster that is related to the third letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster.

SDYM : UBAK : : THNG : ?

Ans ✗ 1. WFRE

✗ 2. VGPD

✔ 3. VFPE

✗ 4. VEPD

Q.21 Select the option that represents the letters that, when placed from left to right in the blanks below, will complete the letter series.

G _ R _ M _ K R C _ G K _ C M

Ans
✗ 1. RCGRG
✔ 2. KCGMR
✗ 3. KGGRM
✗ 4. KCCMG

Q.22 'A @ B' means 'A is the brother of B'.
'A % B' means 'A is the daughter of B'.
'A # B' means 'A is the sister of B'.
'A & B' means 'A is the father of B'.

If J & R & K @ U % S # T & M, then which of the following statements is NOT correct?

Ans
✗ 1. S is the wife of R.
✗ 2. J is the paternal grandfather of K.
✔ 3. T is the paternal uncle of K.
✗ 4. U is the daughter of R.

Q.23 In a code language, CREATION is written as TRONIECA. How will FEBRUARY be written in that language?

Ans
✗ 1. AURREFBY
✔ 2. YURRFEBA
✗ 3. YRURFEBA
✗ 4. YURFFEBA

Q.24 Select the interchanges in numbers and signs that will make the given equation correct.

$17 \times 34 - 2 + 68 \div 66 = 2$

Ans ✗ 1. 17 and 66, ÷ and ×

✓ 2. 17 and 66, × and −

✗ 3. 34 and 66, + and −

✗ 4. 68 and 66, + and ×

Question ID : **8161614630**
Status : **Not Answered**
Chosen Option : **--**

Q.25 Select the option in which the given figure is embedded (rotation is NOT allowed).

Ans

✗ 1.

✓ 2.

✗ 3.

✗ 4.

Question ID : **8161614633**
Status : **Answered**
Chosen Option : **2**

Section : **English Language**

Q.1 Identify the segment in the sentence which contains the grammatical error.

Every boy and every girl in this class pursue at least one hobby.

Ans ✗ 1. Every boy

✓ 2. in this class pursue

✗ 3. and every girl

✗ 4. at least one hobby

Question ID : **8161614635**
Status : **Answered**
Chosen Option : **3**

Q.2 Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select option 'No substitution'.

Those <u>whom wants to play</u> the game may join the group.

Ans ✔ 1. who want to play

✘ 2. whom wanted to play

✘ 3. No substitution

✘ 4. who is wanting to play

Question ID : **8161614640**
Status : **Answered**
Chosen Option : **1**

Q.3 Select the correct direct form of the given sentence.

I asked him where he had gone in his car the previous day.

Ans ✘ 1. I said to him, "Where have you gone in your car the previous day?"

✘ 2. I said to him, "Where were you going in your car yesterday?"

✘ 3. I said to him, "Where you went in your car yesterday?"

✔ 4. I said to him, "Where did you go in your car yesterday?"

Question ID : **8161614639**
Status : **Answered**
Chosen Option : **3**

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

Work for which no salary is paid

Ans ✘ 1. Optional

✘ 2. Bonus

✔ 3. Honorary

✘ 4. Mandatory

Question ID : **8161614648**
Status : **Answered**
Chosen Option : **3**

Q.5 Select the most appropriate option to fill in the blank.

The doctors hope that the soldier's wounds will soon _____.

Ans ✔ 1. heal

✘ 2. mend

✘ 3. restore

✘ 4. recover

Question ID : **8161614642**
Status : **Answered**
Chosen Option : **1**

(11)

Q.6 Given below are four sentences in jumbled order. Pick the option that gives their correct order.

A. She understood my signs, and I could make her do as I wished.
B. My constant companion was Martha, our cook's daughter.
C. We even helped in feeding the hens which crowded around the kitchen steps.
D. This pleased me greatly and we spent a lot of time together.

Ans ✔ 1. BADC

✘ 2. CBDA

✘ 3. DCAB

✘ 4. ADCB

Question ID : **8161614644**
Status : **Answered**
Chosen Option : **1**

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

The family made _____ enquiries about his background.

Ans ✘ 1. disputed

✔ 2. discreet

✘ 3. discarded

✘ 4. disastrous

Question ID : **8161614643**
Status : **Answered**
Chosen Option : **2**

Q.8 Select the most appropriate meaning of the underlined idiom in the given sentence.

<u>On the face of it</u> , nothing seems to be fishy about the matter.

Ans ✘ 1. From facial expressions

✘ 2. In comparison

✘ 3. On deeper scrutiny

✔ 4. What appears on the surface

Question ID : **8161614647**
Status : **Answered**
Chosen Option : **4**

Q.9 Select the correct active form of the given sentence.

Perfection is sought by him in everything he does.

Ans ✘ 1. He is seeking perfection in everything he does.

✘ 2. He has sought perfection in everything he does.

✘ 3. He sought perfection in everything he did.

✔ 4. He seeks perfection in everything he does.

Question ID : **8161614637**
Status : **Answered**
Chosen Option : **4**

(12)

Q.10 Select the most appropriate synonym of the given word.

DISCONTENT

Ans ✗ 1. disconnect

✔ 2. dissatisfaction

✗ 3. disobedience

✗ 4. dismissal

Question ID : **8161614645**
Status : **Not Answered**
Chosen Option : **--**

Q.11 Select the misspelt word.

Ans ✗ 1. Credulous

✗ 2. Contagious

✔ 3. Contemptous

✗ 4. Consensus

Question ID : **8161614649**
Status : **Not Answered**
Chosen Option : **--**

Q.12 Select the correct indirect form of the given sentence.

The captain said, "The winds are turning unfavourable."

Ans ✗ 1. The captain said that the winds are going to turn unfavourable.

✔ 2. The captain said that the winds were turning unfavourable.

✗ 3. The captain said that the winds had turned unfavourable.

✗ 4. The captain said that the winds will be turning unfavourable.

Question ID : **8161614638**
Status : **Answered**
Chosen Option : **2**

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

Follow all the steps accurately.

Ans ✗ 1. Let all the steps be follow accurately.

✗ 2. All the steps should be follow accurately.

✗ 3. All the steps should be following accurately.

✔ 4. Let all the steps be followed accurately.

Question ID : **8161614636**
Status : **Answered**
Chosen Option : **4**

(13)

Q.14 **Select the most appropriate antonym of the given word.**

FORLORN

Ans ✔️ 1. elated

❌ 2. desperate

❌ 3. solitary

❌ 4. bereft

Question ID : **8161614646**
Status : **Not Answered**
Chosen Option : **--**

Q.15 **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'.**

The lockdown prevented people to go out from their homes.

Ans ❌ 1. to go outside from

❌ 2. No substitution

✔️ 3. from going out of

❌ 4. of going out from

Question ID : **8161614641**
Status : **Answered**
Chosen Option : **3**

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 judge asked the prisoner if he had anything to say.
The (1)_____ replied that he had said all he wanted. If he were (2)_____, God would punish his accusers for their great (3)_____. The judge could do what he wanted. He had a clear (4)_____ and was not afraid of anything. His faith in God was (5)_____.

SubQuestion No : 16

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

Ans ❌ 1. judge

❌ 2. God

❌ 3. accuser

✔️ 4. prisoner

Question ID : **8161614651**
Status : **Answered**
Chosen Option : **4**

(14)

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 judge asked the prisoner if he had anything to say.
The (1)_____ replied that he had said all he wanted. If he were (2)_____, God would punish his accusers for their great (3)_____. The judge could do what he wanted. He had a clear (4)_____ and was not afraid of anything. His faith in God was (5)_____.

SubQuestion No : 17

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

Ans ✔️ 1. convicted

❌ 2. concealed

❌ 3. controlled

❌ 4. continued

Question ID : **8161614652**
Status : **Answered**
Chosen Option : **1**

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 judge asked the prisoner if he had anything to say.
The (1)_____ replied that he had said all he wanted. If he were (2)_____, God would punish his accusers for their great (3)_____. The judge could do what he wanted. He had a clear (4)_____ and was not afraid of anything. His faith in God was (5)_____.

SubQuestion No : 18

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

Ans ✔️ 1. injustice

❌ 2. ingenuity

❌ 3. incantation

❌ 4. inability

Question ID : **8161614653**
Status : **Answered**
Chosen Option : **1**

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 judge asked the prisoner if he had anything to say.
The (1)_____ replied that he had said all he wanted. If he were (2)_____, God would punish his accusers for their great (3)_____. The judge could do what he wanted. He had a clear (4)_____ and was not afraid of anything. His faith in God was (5)_____.

SubQuestion No : 19

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

Ans ✅ 1. conscience

❌ 2. collusion

❌ 3. collision

❌ 4. conscious

Question ID : **8161614654**
Status : **Answered**
Chosen Option : **1**

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 judge asked the prisoner if he had anything to say.
The (1)_____ replied that he had said all he wanted. If he were (2)_____, God would punish his accusers for their great (3)_____. The judge could do what he wanted. He had a clear (4)_____ and was not afraid of anything. His faith in God was (5)_____.

SubQuestion No : 20

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

Ans ❌ 1. obstinate

✅ 2. resolute

❌ 3. complacent

❌ 4. stalwart

Question ID : **8161614655**
Status : **Answered**
Chosen Option : **2**

(16)

Comprehension:

Read the passage and answer the questions.

The therapeutic value and healing powers of plants were demonstrated to me when I was a boy of about ten. I had developed an acute persistent abdominal pain that did not respond readily to hospital medication. My mother had taken me to the city's central hospital on several occasions, where different drugs were tried on me. In total desperation, she took me to Egya Mensa, a well-known herbalist in my home town in the western province of Ghana. This man was no stranger to the medical doctors at the hospital. He had earned the reputation of offering excellent help when they were confronted with difficult cases where Western medicine had failed to cure.

After a brief interview, he left us waiting in his consulting room while he went out to the field. He returned with several leaves and the bark of a tree. One of his attendants quickly prepared a decoction and handed me a glass of this preparation. It was extremely bitter but within an hour or so, I began to feel relieved. The rest of the decoction was put in two large bottles so that I could take doses periodically. Within three days, the frequent abdominal pains stopped and I recall gaining a good appetite. I have appreciated the healing powers of medicinal plants ever since.

My experience may sound unusual to those who come from urban areas of the developed world, but for those in less affluent nations such experiences are common. Studies by WHO indicate that for 75 to 90 per cent of the rural population of the world, the herbalist is the only person who handles their medical problems.

In African culture, traditional medical practitioners are always considered to be influential spiritual leaders as well, using magic and religion along with medicines. Illness is handled with the individual's hidden spiritual powers and with application of plants containing healing properties.

SubQuestion No : 21

Q.21 **Who was Egya Mensa?**

Ans ✔️ 1. A herbal doctor

❌ 2. A medical doctor

❌ 3. A spiritual healer

❌ 4. The narrator

Comprehension:

Read the passage and answer the questions.

The therapeutic value and healing powers of plants were demonstrated to me when I was a boy of about ten. I had developed an acute persistent abdominal pain that did not respond readily to hospital medication. My mother had taken me to the city's central hospital on several occasions, where different drugs were tried on me. In total desperation, she took me to Egya Mensa, a well-known herbalist in my home town in the western province of Ghana. This man was no stranger to the medical doctors at the hospital. He had earned the reputation of offering excellent help when they were confronted with difficult cases where Western medicine had failed to cure.

After a brief interview, he left us waiting in his consulting room while he went out to the field. He returned with several leaves and the bark of a tree. One of his attendants quickly prepared a decoction and handed me a glass of this preparation. It was extremely bitter but within an hour or so, I began to feel relieved. The rest of the decoction was put in two large bottles so that I could take doses periodically. Within three days, the frequent abdominal pains stopped and I recall gaining a good appetite. I have appreciated the healing powers of medicinal plants ever since.

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In African culture, traditional medical practitioners are always considered to be influential spiritual leaders as well, using magic and religion along with medicines. Illness is handled with the individual's hidden spiritual powers and with application of plants containing healing properties.

SubQuestion No : 22

Q.22 **Egya Mensa was reputed to:**

Ans   ✗ 1. cure all patients in the central hospital

   ✔ 2. help where Western medicines failed

   ✗ 3. handle 75 per cent of rural population

   ✗ 4. heal people by magic and religion

Comprehension:

Read the passage and answer the questions.

The therapeutic value and healing powers of plants were demonstrated to me when I was a boy of about ten. I had developed an acute persistent abdominal pain that did not respond readily to hospital medication. My mother had taken me to the city's central hospital on several occasions, where different drugs were tried on me. In total desperation, she took me to Egya Mensa, a well-known herbalist in my home town in the western province of Ghana. This man was no stranger to the medical doctors at the hospital. He had earned the reputation of offering excellent help when they were confronted with difficult cases where Western medicine had failed to cure.

After a brief interview, he left us waiting in his consulting room while he went out to the field. He returned with several leaves and the bark of a tree. One of his attendants quickly prepared a decoction and handed me a glass of this preparation. It was extremely bitter but within an hour or so, I began to feel relieved. The rest of the decoction was put in two large bottles so that I could take doses periodically. Within three days, the frequent abdominal pains stopped and I recall gaining a good appetite. I have appreciated the healing powers of medicinal plants ever since.

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In African culture, traditional medical practitioners are always considered to be influential spiritual leaders as well, using magic and religion along with medicines. Illness is handled with the individual's hidden spiritual powers and with application of plants containing healing properties.

SubQuestion No : 23

Q.23 Which of the following statements is NOT true?

Ans   ✗ 1. The narrator was asked to take periodic doses of the decoction.

✗ 2. The narrator complained of frequent abdominal pains.

✔ 3. The narrator is sceptic about the healing powers of plants.

✗ 4. The narrator paid several visits to the city's central hospital.

Question ID : **8161614661**
Status : **Answered**
Chosen Option : **3**

Comprehension:

Read the passage and answer the questions.

The therapeutic value and healing powers of plants were demonstrated to me when I was a boy of about ten. I had developed an acute persistent abdominal pain that did not respond readily to hospital medication. My mother had taken me to the city's central hospital on several occasions, where different drugs were tried on me. In total desperation, she took me to Egya Mensa, a well-known herbalist in my home town in the western province of Ghana. This man was no stranger to the medical doctors at the hospital. He had earned the reputation of offering excellent help when they were confronted with difficult cases where Western medicine had failed to cure.

After a brief interview, he left us waiting in his consulting room while he went out to the field. He returned with several leaves and the bark of a tree. One of his attendants quickly prepared a decoction and handed me a glass of this preparation. It was extremely bitter but within an hour or so, I began to feel relieved. The rest of the decoction was put in two large bottles so that I could take doses periodically. Within three days, the frequent abdominal pains stopped and I recall gaining a good appetite. I have appreciated the healing powers of medicinal plants ever since.

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In African culture, traditional medical practitioners are always considered to be influential spiritual leaders as well, using magic and religion along with medicines. Illness is handled with the individual's hidden spiritual powers and with application of plants containing healing properties.

SubQuestion No : 24

Q.24 **The decoction given to the narrator was:**

Ans ✔️ 1. bitter but effective

   ❌ 2. made from fresh fruits

   ❌ 3. made from roots and herbs

   ❌ 4. tasty but useless

Question ID : **8161614659**
Status : **Answered**
Chosen Option : **1**

Comprehension:

Read the passage and answer the questions.

The therapeutic value and healing powers of plants were demonstrated to me when I was a boy of about ten. I had developed an acute persistent abdominal pain that did not respond readily to hospital medication. My mother had taken me to the city's central hospital on several occasions, where different drugs were tried on me. In total desperation, she took me to Egya Mensa, a well-known herbalist in my home town in the western province of Ghana. This man was no stranger to the medical doctors at the hospital. He had earned the reputation of offering excellent help when they were confronted with difficult cases where Western medicine had failed to cure.

After a brief interview, he left us waiting in his consulting room while he went out to the field. He returned with several leaves and the bark of a tree. One of his attendants quickly prepared a decoction and handed me a glass of this preparation. It was extremely bitter but within an hour or so, I began to feel relieved. The rest of the decoction was put in two large bottles so that I could take doses periodically. Within three days, the frequent abdominal pains stopped and I recall gaining a good appetite. I have appreciated the healing powers of medicinal plants ever since.

My experience may sound unusual to those who come from urban areas of the developed world, but for those in less affluent nations such experiences are common. Studies by WHO indicate that for 75 to 90 per cent of the rural population of the world, the herbalist is the only person who handles their medical problems.

In African culture, traditional medical practitioners are always considered to be influential spiritual leaders as well, using magic and religion along with medicines. Illness is handled with the individual's hidden spiritual powers and with application of plants containing healing properties.

SubQuestion No : 25

Q.25 The traditional medical practitioners are found:

Ans   ✗ 1. in WHO

     ✗ 2. in Ghana

     ✗ 3. in African culture

     ✓ 4. around the world

Question ID : **8161614660**
Status : **Answered**
Chosen Option : **3**

Section : **Quantitative Aptitude**

Q.1 There are 3 students in a group. If the weight of any student is added to the average weight of the other two, the sums received are 48 kg, 52 kg and 59 kg. The average weight (in kg) of the three students is:

Ans   ✗ 1. 27

     ✓ 2. 26.5

     ✗ 3. 27.5

     ✗ 4. 28

Question ID : **8161614665**
Status : **Answered**
Chosen Option : **2**

Q.2 Thirty persons working 6 hours a day can complete a work in 28 days. How many days will 28 persons take to complete another work which is two times the present work, if they work 9 hours a day?

Ans
  ✗ 1. 36
  ✗ 2. 45
  ✗ 3. 42
  ✔ 4. 40

Question ID : **8161614674**
Status : **Not Answered**
Chosen Option : **--**

Q.3 In Δ ABC, D is the midpoint of AC, F is a point on AB such that CF bisects BD at E. If AF = 18 cm, then the length of BF is:

Ans
  ✗ 1. 12 cm
  ✗ 2. 8 cm
  ✗ 3. 6 cm
  ✔ 4. 9 cm

Question ID : **8161614680**
Status : **Answered**
Chosen Option : **4**

Q.4 If $8x^6 - 6\sqrt{6}y^6 = (2x^2 + Ay^2)(4x^4 + Bx^2y^2 + Cy^4)$, then what is the value of $(A^2 - B^2 + C^2)$?

Ans
  ✔ 1. 18
  ✗ 2. 30
  ✗ 3. 36
  ✗ 4. 42

Question ID : **8161614679**
Status : **Not Answered**
Chosen Option : **--**

Q.5 The compound interest on a certain sum at a certain rate percentage p.a. for the second year and third year are ₹3,960 and ₹4,356 respectively. What sum is the amount of the same sum at the same rate in $2\frac{1}{2}$ years, interest compounded annually?

Ans
  ✗ 1. ₹43,560
  ✗ 2. ₹43,650
  ✗ 3. ₹45,837
  ✔ 4. ₹45,738

Question ID : **8161614673**
Status : **Not Answered**
Chosen Option : **--**

Q.6 If the 5-digit number $457xy$ is divisible by 3, 7 and 11, then what is the value of $(2x + 5y)$?

Ans
✗ 1. 48

✗ 2. 21

✗ 3. 17

✔ 4. 46

Question ID : **8161614663**
Status : **Not Answered**
Chosen Option : **--**

Q.7 The cost prices of articles A and B are the same. A is sold at 20% profit, whereas B is sold for ₹54.60 more than the selling price of A. If the overall profit earned on selling A and B is 28%, then what is the cost price of each article?

Ans
✗ 1. ₹348

✗ 2. ₹345

✔ 3. ₹341.25

✗ 4. ₹342.75

Question ID : **8161614669**
Status : **Not Answered**
Chosen Option : **--**

Q.8 If $a^3 + b^3 + c^3 - 3abc = 250$ and $a + b + c = 10$, then what is the value of $ab + bc + ca$?

Ans
✗ 1. 20

✔ 2. 25

✗ 3. 24

✗ 4. 15

Question ID : **8161614678**
Status : **Answered**
Chosen Option : **2**

Q.9 The average age of all the employees in an office is 42 years. 60% of the employees are males and the rest are females. The ratio of the average age of males to that of females is 6 : 5. What is the average age (in years) of male employees?

Ans
✔ 1. 45

✗ 2. 40

✗ 3. 42.5

✗ 4. 37.5

Question ID : **8161614664**
Status : **Answered**
Chosen Option : **4**

Q.10 A is 48% more than B. C is 60% more than twice the difference between A and B. By what percent is C more than A (correct to one decimal place)?

Ans

✔ 1. 3.8%

✘ 2. 4.6%

✘ 3. 5.2%

✘ 4. 4.1%

Question ID : **8161614668**

Status : **Not Answered**

Chosen Option : **--**

Q.11 When a person sells an article for ₹1,200, he earns a profit that is equal to twice the amount of loss he would incur on selling the article for ₹750. If he sells the article for ₹925.20, then there is a:

Ans

✘ 1. gain of 3%

✘ 2. loss of 2.8%

✔ 3. gain of 2.8%

✘ 4. loss of 2.6%

Question ID : **8161614670**

Status : **Not Answered**

Chosen Option : **--**

Q.12 Study the given table and answer the following question:

Annual consumption (in hundred tonnes) of tea in five states (A, B, C, D and E) across 6 years (2014 to 2019):

State / Year	A	B	C	D	E
2014	112	130	136	105	117
2015	122	138	150	140	120
2016	124	134	142	144	132
2017	132	154	198	149	133
2018	135	148	187	151	145
2019	153	136	198	150	187

The ratio of the total consumption of tea in states B, D and E in 2018, 2014 and 2019 respectively to the total consumption of tea in states A and C in 2017 and 2019 respectively is:

Ans

✔ 1. 4 : 3

✘ 2. 30 : 23

✘ 3. 17 : 18

✘ 4. 3 : 2

Question ID : **8161614684**

Status : **Not Answered**

Chosen Option : **--**

Q.13 A dealer sells an article by allowing a 15% discount on its marked price and gains 12%. If the cost price of the article is increased by 10%, how much discount percentage should he allow now on the same marked price so as to earn the same percentage of profit as before?

Ans
  ✘ 1. 7%

  ✔ 2. 6.5%

  ✘ 3. 7.5%

  ✘ 4. 6%

Question ID : **8161614666**
Status : **Not Answered**
Chosen Option : **--**

Q.14 Suman saves $33\frac{1}{3}\%$ of her income. If her income increases by $x\%$ and expenditure increases by 10%, then her savings increase by 22%. What is the value of x?

Ans
  ✘ 1. 10

  ✔ 2. 14

  ✘ 3. 15

  ✘ 4. 12

Question ID : **8161614667**
Status : **Not Answered**
Chosen Option : **--**

Q.15 If $x^2 - 3\sqrt{2}x + 1 = 0$, then the value of $x^3 + \dfrac{1}{x^3}$ is:

Ans
  ✔ 1. $45\sqrt{2}$

  ✘ 2. $54\sqrt{2}$

  ✘ 3. $24\sqrt{6}$

  ✘ 4. $36\sqrt{6}$

Question ID : **8161614677**
Status : **Answered**
Chosen Option : **3**

Q.16 A sum of ₹x is divided between A, B, C and D such that the ratio of the shares of A and B is 2 : 3, that of B and C is 8 : 9 and that of C and D is 3 : 4. If C's share is ₹4,347, then the value of x is:

Ans
  ✔ 1. 16,583

  ✘ 2. 16,788

  ✘ 3. 16,686

  ✘ 4. 16,422

Question ID : **8161614672**
Status : **Not Answered**
Chosen Option : **--**

(25)

Q.17 The volume of a cylinder of height 32 cm and base diameter 36 cm is equal to the volume of a cone of height 24 cm. The curved surface area (in cm²) of the cone is:

Ans

✗ 1. $288\sqrt{13}\,\pi$

✔ 2. $432\sqrt{13}\,\pi$

✗ 3. $240\sqrt{15}\,\pi$

✗ 4. $360\sqrt{15}\,\pi$

Q.18 In Δ ABC, $\angle B = 90°$, AC = 29 cm and BC = 20 cm. Then $\dfrac{1 - sinA + cosA}{1 + sinA + cosA}$ is equal to:

Ans

✗ 1. $\dfrac{3}{8}$

✔ 2. $\dfrac{3}{7}$

✗ 3. $\dfrac{1}{2}$

✗ 4. $\dfrac{1}{4}$

Q.19 The side BC of Δ ABC is produced to D. The bisectors of $\angle$ABC and $\angle$ACD meet at E. If AB = AC and $\angle$BEC = 24°, then the measure of $\angle$ABC is:

Ans

✗ 1. 60°

✗ 2. 72°

✗ 3. 48°

✔ 4. 66°

Q.20 Study the given table and answer the following question:

Annual consumption (in hundred tonnes) of tea in five states (A, B, C, D and E) across 6 years (2014 to 2019):

State / Year	A	B	C	D	E
2014	112	130	136	105	117
2015	122	138	150	140	120
2016	124	134	142	144	132
2017	132	154	198	149	133
2018	135	148	187	151	145
2019	153	136	198	150	187

The total consumption of tea in state C in 2015 to 2017 is by what percentage more than the total consumption of tea in states A, B and D in 2015?

Ans
✗ 1. 18.4%
✔ 2. 22.5%
✗ 3. 20.6%
✗ 4. 23.8%

Question ID : **8161614686**
Status : **Not Answered**
Chosen Option : **--**

Q.21 The ratio of the sum, difference and product of two numbers is 11 : 1 : 120. What is the sum of their squares?

Ans
✗ 1. 549
✗ 2. 808
✗ 3. 656
✔ 4. 976

Question ID : **8161614671**
Status : **Not Answered**
Chosen Option : **--**

Q.22 The speed of a boat downstream is 2.5 times its speed upstream. If the total time taken by the boat for going 15 km downstream and the same distance upstream is $4\frac{2}{3}$ hours, then what is the speed (in km/h) of the boat downstream?

Ans
✗ 1. $11\frac{1}{2}$
✔ 2. $11\frac{1}{4}$
✗ 3. $10\frac{5}{8}$
✗ 4. 10

Question ID : **8161614675**
Status : **Not Answered**
Chosen Option : **--**

Q.23 If $(cos^2\theta - 1)(2sec^2\theta) + sec^2\theta + 2tan^2\theta = 2$, $0° < \theta < 90°$, then $\frac{(cosec\theta + cos\theta)}{(cosec\theta - cos\theta)}$ is equal to:

Ans
 ✗ 1. 1
 ✗ 2. $4\sqrt{2}$
 ✗ 3. $2\sqrt{2}$
 ✔ 4. 3

Q.24 How many distinct natural numbers are the divisors of $(30)^4$?

Ans
 ✔ 1. 125
 ✗ 2. 123
 ✗ 3. 122
 ✗ 4. 124

Q.25 Study the given table and answer the following question:

Annual consumption (in hundred tonnes) of tea in five states (A, B, C, D and E) across 6 years (2014 to 2019):

State Year	A	B	C	D	E
2014	112	130	136	105	117
2015	122	138	150	140	120
2016	124	134	142	144	132
2017	132	154	198	149	133
2018	135	148	187	151	145
2019	153	136	198	150	187

The consumption of tea in which state and year is closest to 1.1 times the average consumption of tea in state E over 6 years?

Ans
 ✗ 1. D in 2018
 ✗ 2. C in 2015
 ✗ 3. B in 2017
 ✔ 4. A in 2019

Section : **General Awareness**

Q.1 World Health Day 2020 was celebrated on _____ with the theme of supporting nurses and midwives.

Ans
  ✖ 1. March 7

  ✔ 2. April 7

  ✖ 3. March 9

  ✖ 4. April 9

Question ID : **8161614690**
Status : **Not Answered**
Chosen Option : **--**

Q.2 Raja Rammohan Roy is most remembered for helping _____ to declare the practice of Sati a punishable offence in 1829.

Ans
  ✖ 1. Lord Lytton

  ✖ 2. Lord Ripon

  ✔ 3. Lord Bentinck

  ✖ 4. Lord Curzon

Question ID : **8161614701**
Status : **Answered**
Chosen Option : **2**

Q.3 The first passenger train between Bori Bunder and Thane ran in the year _____.

Ans
  ✔ 1. 1853

  ✖ 2. 1849

  ✖ 3. 1863

  ✖ 4. 1877

Question ID : **8161614702**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.4 Kumar Manish Arvind has been awarded the Sahitya Akademi Award 2019 for his works of poetry in the _____ language.

Ans
  ✖ 1. Sanskrit

  ✖ 2. Hindi

  ✔ 3. Maithili

  ✖ 4. Bodo

Question ID : **8161614705**
Status : **Not Answered**
Chosen Option : **--**

Q.5 On which river is the Singur Dam built?

Ans ✗ 1. Indus

✔ 2. Manjeera

✗ 3. Brahmaputra

✗ 4. Periyar

Question ID : **8161614699**

Status : **Not Answered**

Chosen Option : **--**

Q.6 The Centre for Cultural Resources and Training (CCRT) was setup in _____ as an autonomous organisation by the Government of India.

Ans ✗ 1. 1999

✗ 2. 1969

✔ 3. 1979

✗ 4. 1989

Question ID : **8161614688**

Status : **Not Answered**

Chosen Option : **--**

Q.7 The Ryotwari System covered about _____ per cent of the area under British rule comprising part of the Bombay and Madras Presidencies, Assam and certain other parts of British India.

Ans ✗ 1. 61

✗ 2. 41

✔ 3. 51

✗ 4. 31

Question ID : **8161614704**

Status : **Marked For Review**

Chosen Option : **3**

Q.8 Which of the following hill stations is also known as 'Satpura Ki Rani'?

Ans ✗ 1. Kufri

✗ 2. Chail

✗ 3. Ranipuram

✔ 4. Pachmarhi

Question ID : **8161614700**

Status : **Not Answered**

Chosen Option : **--**

Q.9 Wimbledon 2020 was cancelled due to the Coronavirus (COVID-19) outbreak across the world. This is the _____ time since World War II that the oldest Grand Slam tennis tournament will not be played.

Ans
✗ 1. second

✗ 2. third

✔ 3. first

✗ 4. fourth

Question ID : **8161614711**
Status : **Answered**
Chosen Option : **1**

Q.10 _____ is one of the hormones made by the thyroid gland, by using iodine.

Ans
✗ 1. Cortistatin

✗ 2. Thromboxane

✔ 3. Thyroxin

✗ 4. Cortisol

Question ID : **8161614694**
Status : **Answered**
Chosen Option : **3**

Q.11 Identify the state with which Telangana does NOT share its boundary.

Ans
✗ 1. Chhattisgarh

✔ 2. Odisha

✗ 3. Karnataka

✗ 4. Maharashtra

Question ID : **8161614698**
Status : **Not Answered**
Chosen Option : **--**

Q.12 River Brahmaputra is known as_____in Tibet and as Jamuna in Bangladesh.

Ans
✔ 1. Tsang Po

✗ 2. Mekong

✗ 3. Yangtse

✗ 4. Gyalmo Ngulchu

Question ID : **8161614697**
Status : **Not Answered**
Chosen Option : **--**

Q.13 The 'Sheesh Mahal' or the 'Palace of Mirrors' is situated in which state?

Ans ✗ 1. Rajasthan

✗ 2. Gujarat

✗ 3. Bihar

✓ 4. Punjab

Question ID : **8161614689**
Status : **Answered**
Chosen Option : **1**

Q.14 The Modern Periodic Table has 18 vertical columns known as 'groups' and _____ horizontal rows known as 'periods'.

Ans ✓ 1. 7

✗ 2. 5

✗ 3. 9

✗ 4. 11

Question ID : **8161614693**
Status : **Answered**
Chosen Option : **3**

Q.15 Who among the following created a record for the longest single spaceflight by a woman when she returned to Earth in February 2020?

Ans ✗ 1. Peggy Whitson

✓ 2. Christina Koch

✗ 3. Sally Ride

✗ 4. Valentina Tereshkova

Question ID : **8161614707**
Status : **Not Answered**
Chosen Option : **--**

Q.16 Who among the following from Canada was awarded the Padma Shri 2020 for contribution to trade and industry?

Ans ✗ 1. Trinity Saioo

✗ 2. Prasanta Kumar Pattanaik

✗ 3. Javed Ahmad Tak

✓ 4. Prem Watsa

Question ID : **8161614691**
Status : **Not Answered**
Chosen Option : **--**

Q.17 As of May 2020, Om Birla is the speaker of the:

Ans   ✗ 1. Sixteenth Lok Sabha

   ✗ 2. Fourteenth Lok Sabha

   ✔ 3. Seventeenth Lok Sabha

   ✗ 4. Fifteenth Lok Sabha

Question ID : **8161614710**
Status : **Answered**
Chosen Option : **3**

Q.18 Who among the following formed Bahishkrit Hitkarini Sabha for the welfare of the downtrodden?

Ans   ✗ 1. Jyotirao Phule

   ✗ 2. Narayana Guru

   ✗ 3. Periyar EVR

   ✔ 4. BR Ambedkar

Question ID : **8161614703**
Status : **Not Answered**
Chosen Option : **--**

Q.19 Who among the following participated at the Parliament of Religions held in Chicago (USA) in September 1893?

Ans   ✗ 1. Periyar EV Ramaswamy

   ✔ 2. Swami Vivekananda

   ✗ 3. Ramakrishna Paramahansa

   ✗ 4. Swami Dayanand

Question ID : **8161614687**
Status : **Not Answered**
Chosen Option : **--**

Q.20 Who among the following was one of the three Indian teachers shortlisted in the top 50 for the Varkey Foundation Global Teacher Prize 2020, held in partnership with UNESCO?

Ans   ✗ 1. Anil Pradhan

   ✔ 2. Shuvajit Payne

   ✗ 3. Omprakash Mishra

   ✗ 4. Kiran Bir Sethi

Question ID : **8161614692**
Status : **Not Answered**
Chosen Option : **--**

Q.21 As on March 2020, India comprises twenty-eight states and _____ union territories.

Ans ✗ 1. nine

  ✗ 2. seven

  ✔ 3. eight

  ✗ 4. ten

Question ID : **8161614708**
Status : **Answered**
Chosen Option : **1**

Q.22 One-third of the members of the Vidhan Parishad (Legislative Council) retire after every:

Ans ✗ 1. 5 years

  ✗ 2. 1 year

  ✔ 3. 2 years

  ✗ 4. 6 years

Question ID : **8161614709**
Status : **Answered**
Chosen Option : **3**

Q.23 Who among the following has developed Madhuban Gajar, a biofortified carrot variety with high β-carotene and iron content?

Ans ✔ 1. Vallabhhai Vasrambhai Marvaniya

  ✗ 2. MS Swaminathan

  ✗ 3. Swapan Kumar Datta

  ✗ 4. Hari Krishan Jain

Question ID : **8161614706**
Status : **Not Answered**
Chosen Option : **--**

Q.24 _____ are the only birds that can fly backwards.

Ans ✗ 1. Common cranes

  ✗ 2. Mallards

  ✗ 3. Whooper swans

  ✔ 4. Hummingbirds

Question ID : **8161614696**
Status : **Answered**
Chosen Option : **4**

Q.25 The National Science Day (NSD) 2020 was celebrated on February 28, with _____ as the focal theme of the programme.

Ans ✖ 1. 'research in healthcare'

✔ 2. 'women in science'

✖ 3. 'immunisation for influenza'

✖ 4. 'collaboration with nature'