



- ★ Latest Govt Job updates
- ★ Private Job updates
- ★ Free Mock tests available

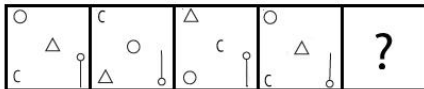
Visit - [teachingninja.in](https://teachingninja.in)

## Selection Post Phase IX 2021 Graduate level

Roll Number	
Candidate Name	
Venue Name	
Exam Date	14/03/2022
Exam Time	3:00 PM - 4:00 PM
Subject	Selection Post Graduate Level

### Section : General Intelligence

**Q.1** Select the figure from among the given options that can replace the question mark (?) in the following series.



Ans

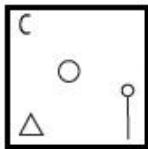
✗ 1.



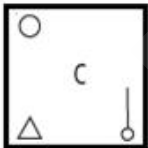
✗ 2.



✓ 3.

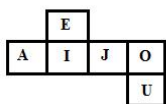


✗ 4.



Question ID : 65497840614  
Status : Answered  
Chosen Option : 3

**Q.2** A cube is made by folding the given sheet. In the cube so formed, which of the following pairs of letters will be on opposite sides?



Ans

✗ 1. J and U

✗ 2. I and U

✗ 3. E and J

✓ 4. I and O

Question ID : 65497840513  
Status : Answered  
Chosen Option : 4

Q.3 In a certain code language, 'SPIRIT' is coded as '65' and 'DENSE' is coded as '83'. How will 'LOGICAL' be coded in that language?

- Ans
- 1. 132
  - 2. 123
  - 3. 231
  - 4. 213

Question ID : 65497840706  
Status : Not Answered  
Chosen Option : --

Q.4 In a certain code language, 'GLOBE' is written as 'HYRIJ', and 'CODES' is written as 'VBGLF'. How will 'SMART' be written in that language?

- Ans
- 1. WODJV
  - 2. VDKWO
  - 3. VKDOW
  - 4. WDOVJ

Question ID : 65497840498  
Status : Answered  
Chosen Option : 1

Q.5 'D  $\equiv$  G' means 'D is the sister of G'.  
'D  $\Delta$  G' means 'D is the husband of G'.  
'D  $\nabla$  G' means 'D is the daughter of G'.  
'D  $\exists$  G' means 'D is the mother of G'.  
'D  $\infty$  G' means 'D is the brother of G'.

Which of the following expressions denotes that 'S is the husband of M'?

- Ans
- 1. S  $\infty$  H  $\equiv$  L  $\equiv$  Q  $\exists$  M
  - 2. Q  $\nabla$  M  $\exists$  H  $\equiv$  L  $\exists$  S
  - 3. M  $\exists$  Q  $\Delta$  L  $\equiv$  H  $\exists$  S
  - 4. M  $\exists$  Q  $\equiv$  L  $\infty$  H  $\nabla$  S

Question ID : 65497840710  
Status : Not Answered  
Chosen Option : --

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

REGARD : GODDHO :: SQUARE : ?

- Ans
- 1. HDOTRP
  - 2. HODRTP
  - 3. VNXDNI
  - 4. VXNNDI

Question ID : 65497840594  
Status : Answered  
Chosen Option : 2

Q.7 Select the correct option that indicates the arrangement of the given words in the order in which they appear in an English dictionary.

1. Marathon
2. Manuscript
3. Marvellous
4. Manipulation
5. Management
6. Mandatory

- Ans
- 1. 6, 5, 2, 4, 3, 1
  - 2. 5, 4, 6, 1, 2, 3
  - 3. 4, 5, 1, 6, 3, 2
  - 4. 5, 6, 4, 2, 1, 3

Question ID : 65497840596  
Status : Answered  
Chosen Option : 4

Q.8 In a certain code language, 'YEARS' is written as 'AERSY'. How will 'SPRING' be written in that language?

- Ans
- 1. GINPRS
  - 2. INSRGP
  - 3. GINRPS
  - 4. NIRSGP

Question ID : 65497840599  
Status : Answered  
Chosen Option : 1

Q.9 उस विकल्प का चयन करें जो तीसरे शब्द से उसी प्रकार संबंधित है, जिस प्रकार दूसरा शब्द पहले शब्द से संबंधित है।

माली : हैरो :: मोची : ?

- Ans
- 1. छेनी
  - 2. हल
  - 3. आरी
  - 4. सूआ

Question ID : 65497840495  
Status : Answered  
Chosen Option : 4

Q.10 Select the correct mirror image of the given combination when the mirror is placed at PQ as shown.

G E O M E T R Y

P  
|  
Q

- Ans
- 1. G E O W L E B A
  - 2. G E O M E L B A
  - 3. Y R E T M O E G
  - 4. Y R E T M O E G

Question ID : 65497840515  
Status : Answered  
Chosen Option : 4

Q.11 'Active' is related to 'Idle' in the same way as 'Brief' is related to '\_\_\_\_\_'.  
Teachingninja.in

- Ans
- 1. Short
  - 2. Introduction
  - 3. Long
  - 4. Case

Question ID : 65497840598  
Status : Answered  
Chosen Option : 1

Q.12 Nishal and Suman are brothers. Priti's son Viplav is the brother of Sanjana. Srinivas is the father of Nishal. Suman and Priti are a married couple and have one son and one daughter. How is Sanjana related to Srinivas?

- Ans
- 1. Grandson
  - 2. Daughter-in-law
  - 3. Niece
  - 4. Granddaughter

Question ID : 65497840505  
Status : Not Answered  
Chosen Option : --

Q.13 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:  
Some caskets are tapes.  
Some tapes are sachets.

Conclusions:  
I. No sachet is a casket.  
II. No tape is a casket.  
III. Some sachets are caskets.

- Ans
- 1. Both conclusions I and II follow.
  - 2. Either conclusion I or III follows.
  - 3. All conclusions follow.
  - 4. Both conclusions II and III follow.

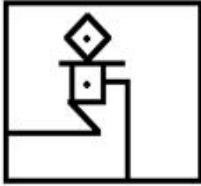
Question ID : 65497840711  
Status : Answered  
Chosen Option : 2

Q.14 Select the option in which the given figure is embedded (rotation is NOT allowed).

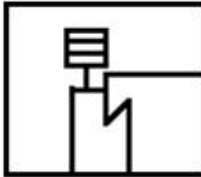


Ans

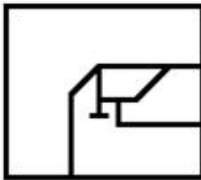
✗ 1.



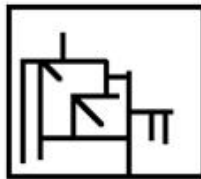
✗ 2.



✗ 3.



✓ 4.



Question ID : 65497840718  
Status : Answered  
Chosen Option : 4

Q.15 Which two signs should be interchanged to make the given equation correct?

$$12 + 156 \div 13 \times 6 - 100 = 50$$

Ans ✗ 1. + and -

✓ 2. + and ×

✗ 3. - and ×

✗ 4. + and ×

Question ID : 65497840511  
Status : Answered  
Chosen Option : 2

Q.16 In a certain code language, 'ACUTE' is written as 'EXAYI', and 'SPEND' is written as 'XUISW'. How will 'BLAME' be written in that language?

Ans ✓ 1. YQERI

✗ 2. YPEQA

✗ 3. GOARI

✗ 4. GQFRJ

Question ID : 65497840703  
Status : Not Answered  
Chosen Option : --

Q.17 Select the correct option that indicates the arrangement of the given words in the order in which they appear in an English dictionary.

1. President
2. Permutation
3. Perform
4. Proverb
5. Perturb

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

Question ID : 65497840493  
Status : Answered  
Chosen Option : 4

Q.18 Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series.

Q \_ L \_ P \_ P \_ BPQ \_ LB \_ Q \_ L \_ P

Ans  1. P, B, Q, L, P, P, P, B  
 2. P, Q, P, L, P, B, P, B  
 3. P, P, P, P, B, B, L, Q  
 4. P, Q, B, P, L, P, B, P

Question ID : 65497840708  
Status : Answered  
Chosen Option : 1

Q.19 Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series.

P \_ NDVPL \_ DV \_ LND \_ P \_ N \_ V

Ans  1. L, P, N, L, V, D  
 2. L, N, P, V, L, D  
 3. L, N, L, P, D, V  
 4. L, L, D, N, P, V

Question ID : 65497840503  
Status : Answered  
Chosen Option : 2

Q.20 In a certain code language, 'CRIME' is coded as '24918422'. How will 'TABLE' be coded in that language?

Ans  1. 22526232  
 2. 22625322  
 3. 25222236  
 4. 25362222

Question ID : 65497840501  
Status : Not Answered  
Chosen Option : --

**Q.21** Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

**Statements:**

Some dentists are artists.

Some artists are scientists.

No scientist is a magician.

**Conclusions:**

I. Some scientists are dentists is a possibility.

II. Some magicians are not artists is a possibility.

- Ans**
- 1. Only conclusion I follows.
  - 2. Only conclusion II follows.
  - 3. Neither conclusion I nor II follows.
  - 4. Both conclusions I and II follow.

Question ID : 65497840610

Status : Answered

Chosen Option : 4

**Q.22** Select the number from among the given options that can replace the question mark (?) in the following series.

8, 15, 46, 91, 274, ?

- Ans**
- 1. 554
  - 2. 545
  - 3. 574
  - 4. 547

Question ID : 65497840611

Status : Answered

Chosen Option : 4

**Q.23** Select the option that is related to the third term in the same way as the second term is related to the first term.

BLOCK : LBPKC :: MARGIN : ?

- Ans**
- 1. OHQHBL
  - 2. OBHQHL
  - 3. OHBHQL
  - 4. OHHQBL

Question ID : 65497840695

Status : Not Answered

Chosen Option : --

**Q.24** In a certain code language, 'NODES' is coded as '38642', and 'STOVE' is coded as '21854'. How will 'SEVEN' be coded in that language?

- Ans**
- 1. 25344
  - 2. 25434
  - 3. 24543
  - 4. 23445

Question ID : 65497840602

Status : Answered

Chosen Option : 3



Q.25 Select the option that is related to the fourth term in the same way as the first term is related to the second term and the fifth term is related to the sixth term.

11 : 91 :: ? : 154 :: 15 : 127

- Ans
- 1. 24
  - 2. 18
  - 3. 14
  - 4. 16

Question ID : 65497840714  
Status : Not Answered  
Chosen Option : --

Section : English Language

Q.1 Select the option that will improve the underlined part of the given sentence. In case no improvement is needed, select 'No improvement required'.

Only by his prudence, he would have incurred a heavy loss.

- Ans
- 1. But for
  - 2. If not
  - 3. No improvement required
  - 4. Owing to

Question ID : 65497840726  
Status : Answered  
Chosen Option : 1

Q.2 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.

He did not forgot / to consult his parents / before accepting / the job offer.

- Ans
- 1. to consult his parents
  - 2. He did not forgot
  - 3. the job offer
  - 4. before accepting

Question ID : 65497840618  
Status : Answered  
Chosen Option : 2

Q.3 Select the most appropriate option to fill in the blank.

He did not provide \_\_\_\_\_ his brother in his will.

- Ans
- 1. by
  - 2. from
  - 3. for
  - 4. to

Question ID : 65497840626  
Status : Answered  
Chosen Option : 3

**Q.4** Select the option that will improve the underlined part of the given sentence. In case no improvement is needed, select 'No improvement required'.

This antique vase is good piece of work.

- Ans
- 1. No improvement required
  - 2. is best
  - 3. is nice
  - 4. is a fine

Question ID : 65497840623  
Status : Answered  
Chosen Option : 4

**Q.5** Select the option that expresses the given sentence in active voice.

What were you taught at the creative writing workshop?

- Ans
- 1. What are they teaching you at the creative writing workshop?
  - 2. What do they teach you at the creative writing workshop?
  - 3. What have they taught you at the creative writing workshop?
  - 4. What did they teach you at the creative writing workshop?

Question ID : 65497840722  
Status : Answered  
Chosen Option : 4

**Q.6** Select the most appropriate meaning of the given idiom.

Losing ground

- Ans
- 1. Becoming less acceptable
  - 2. Continuing as before
  - 3. Acquiring power
  - 4. Becoming deeply engraved

Question ID : 65497840528  
Status : Answered  
Chosen Option : 1

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

The audience was requested to refrain \_\_\_\_\_ smoking during the show.

- Ans
- 1. from
  - 2. in
  - 3. for
  - 4. by

Question ID : 65497840727  
Status : Answered  
Chosen Option : 1

**Q.8** Select the option that expresses the given sentence in passive voice.

The Managing Director of the company launched the latest phone before the press.

- Ans
- 1. The latest phone was launched by the press before the Managing Director of the company.
  - 2. The latest phone has been launched by the Managing Director of the company before the press.
  - 3. The Managing Director was launched by the latest phone of the company before the press.
  - 4. The latest phone was launched by the Managing Director of the company before the press.

Question ID : 65497840517  
Status : Answered  
Chosen Option : 4

**Q.9** Select the option that expresses the given sentence in reported speech.

She said, "The organisation was established a year ago."

- Ans
- 1. She said that the organisation was established a year ago.
  - 2. She told that the organisation was established a year before.
  - 3. She said that the organisation had been established a year before.
  - 4. She said that the organisation has been established a year ago.

Question ID : 65497840622  
Status : Answered  
Chosen Option : 3

**Q.10** Select the INCORRECTLY spelt word.

- Ans
- 1. Caution
  - 2. Guage
  - 3. Thrive
  - 4. Relish

Question ID : 65497840632  
Status : Answered  
Chosen Option : 2

**Q.11** Select the option that can be used as a one-word substitute for the given group of words.

Capable of bending easily without breaking

- Ans
- 1. Rigid
  - 2. Brittle
  - 3. Pliable
  - 4. Durable

Question ID : 65497840733  
Status : Answered  
Chosen Option : 4

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

Resilience

- Ans  1. Rigidity  
 2. Elasticity  
 3. Flexibility  
 4. Courage

Question ID : 65497840527  
Status : Answered  
Chosen Option : 1

Q.13 Select the most appropriate synonym of the given word.

Appraise

- Ans  1. Revolt  
 2. Assess  
 3. Neglect  
 4. Amend

Question ID : 65497840628  
Status : Answered  
Chosen Option : 2

Q.14 Sentences of a paragraph are given below in jumbled order. Arrange the sentences in the correct order to form a meaningful and coherent paragraph.

- A. Then they gave me an injection to counteract inflammation.  
B. They used a special medicine to clear out all the worms from my body.  
C. It had a small dispensary where I was washed and my wounds treated.  
D. Tournavista was an agricultural colony.

- Ans  1. DBAC  
 2. DCBA  
 3. BDCA  
 4. BADC

Question ID : 65497840525  
Status : Answered  
Chosen Option : 2

Q.15 Select the option that expresses the given sentence in reported speech.

She said, "I did not enjoy the trip to Goa due to continuous rains."

- Ans  1. She said that she had not enjoyed the trip to Goa due to continuous rains.  
 2. She said that I had not enjoyed the trip to Goa due to continuous rains.  
 3. She said that she did not enjoy the trip to Goa due to continuous rains.  
 4. She said that I did not enjoy the trip to Goa due to continuous rains.

Question ID : 65497840723  
Status : Answered  
Chosen Option : 1

### Comprehension:

Read the given passage and answer the questions that follow.

Agriculture during this modern era is highly susceptible to climate change, land degradation and shrinkage of resources. In this context, the incorporation of sustainable development and technology advancement in agriculture is a necessity. One of the technological advancements in modern agriculture during recent times is drone technology. Drones or unmanned aerial vehicles (UAVs) are remotely controlled air crafts with no human pilot on board. Use of drone technology in agriculture is having a revolutionary impact. Generally, drones consist of a navigation system, GPS, multiple sensors, high quality cameras etc. They enable evidence-based planning and spatial data collection. Major applications of drones in agriculture include: (a) Soil and field analysis: Potential soil quality, nutrient status, soil moisture status can be mapped by obtaining 3D images of field soil. This enables understanding of the heterogeneity of fields, planting patterns to follow and soil management strategies. (b) Crop spraying or spot spraying: This is the most important application of drones. The plant protection spraying is generally done manually or mechanically. The drone facilitated sprays are comparatively cheaper and more effective than the aforementioned methods. It is the best method for spraying operations over a large area especially when handling hazardous chemicals. It is reported that by using drones there was a reduction in herbicide use by 52% in soybean fields. (c) Crop mapping and surveying: Near infrared (NIR) equipped drones can assess plant health. The overall mapping of field helps to understand how well the crop is established in various parts of the field. It can also tell at what stage the crop is. The GPS equipped drones can be a part of precision agriculture. (d) Irrigation monitoring and management: The thermal sensor facility in drones helps to track moisture status of the field. Real-time monitoring of field moisture status helps to take immediate irrigation or drainage actions. The areas that are deficit in moisture can be identified and area specific or need-based management can be done (e) Seed planting: Some drone manufactures are in experimentation to shoot seed material into prepared soil. If it is proven experimentally, then it would be a giant leap in modern agriculture. (f) Crop management assessment: The extent and nature of damage caused by pests, diseases and weeds can be understood by analysing multispectral images captured using drones.

#### SubQuestion No : 16

Q.16 The drones used for assessing the health of plants need to be:

- Ans
- 1. near infrared equipped
  - 2. equipped with 3D cameras
  - 3. equipped with spraying facility
  - 4. GPS equipped

Question ID : 65497840541

Status : Answered

Chosen Option : 1

### Comprehension:

Read the given passage and answer the questions that follow.

Agriculture during this modern era is highly susceptible to climate change, land degradation and shrinkage of resources. In this context, the incorporation of sustainable development and technology advancement in agriculture is a necessity. One of the technological advancements in modern agriculture during recent times is drone technology. Drones or unmanned aerial vehicles (UAVs) are remotely controlled air crafts with no human pilot on board. Use of drone technology in agriculture is having a revolutionary impact. Generally, drones consist of a navigation system, GPS, multiple sensors, high quality cameras etc. They enable evidence-based planning and spatial data collection. Major applications of drones in agriculture include: (a) Soil and field analysis: Potential soil quality, nutrient status, soil moisture status can be mapped by obtaining 3D images of field soil. This enables understanding of the heterogeneity of fields, planting patterns to follow and soil management strategies. (b) Crop spraying or spot spraying: This is the most important application of drones. The plant protection spraying is generally done manually or mechanically. The drone facilitated sprays are comparatively cheaper and more effective than the aforementioned methods. It is the best method for spraying operations over a large area especially when handling hazardous chemicals. It is reported that by using drones there was a reduction in herbicide use by 52% in soybean fields. (c) Crop mapping and surveying: Near infrared (NIR) equipped drones can assess plant health. The overall mapping of field helps to understand how well the crop is established in various parts of the field. It can also tell at what stage the crop is. The GPS equipped drones can be a part of precision agriculture. (d) Irrigation monitoring and management: The thermal sensor facility in drones helps to track moisture status of the field. Real-time monitoring of field moisture status helps to take immediate irrigation or drainage actions. The areas that are deficit in moisture can be identified and area specific or need-based management can be done (e) Seed planting: Some drone manufactures are in experimentation to shoot seed material into prepared soil. If it is proven experimentally, then it would be a giant leap in modern agriculture. (f) Crop management assessment: The extent and nature of damage caused by pests, diseases and weeds can be understood by analysing multispectral images captured using drones.

#### SubQuestion No : 17

Q.17 The passage mainly talks about:

- Ans  1. the application of drones in agriculture  
 2. sustainable development in agriculture  
 3. the equipment used in drones  
 4. different types of drones

Question ID : 65497840539

Status : Answered

Chosen Option : 1

### Comprehension:

Read the given passage and answer the questions that follow.

Agriculture during this modern era is highly susceptible to climate change, land degradation and shrinkage of resources. In this context, the incorporation of sustainable development and technology advancement in agriculture is a necessity. One of the technological advancements in modern agriculture during recent times is drone technology. Drones or unmanned aerial vehicles (UAVs) are remotely controlled air crafts with no human pilot on board. Use of drone technology in agriculture is having a revolutionary impact. Generally, drones consist of a navigation system, GPS, multiple sensors, high quality cameras etc. They enable evidence-based planning and spatial data collection. Major applications of drones in agriculture include: (a) Soil and field analysis: Potential soil quality, nutrient status, soil moisture status can be mapped by obtaining 3D images of field soil. This enables understanding of the heterogeneity of fields, planting patterns to follow and soil management strategies. (b) Crop spraying or spot spraying: This is the most important application of drones. The plant protection spraying is generally done manually or mechanically. The drone facilitated sprays are comparatively cheaper and more effective than the aforementioned methods. It is the best method for spraying operations over a large area especially when handling hazardous chemicals. It is reported that by using drones there was a reduction in herbicide use by 52% in soybean fields. (c) Crop mapping and surveying: Near infrared (NIR) equipped drones can assess plant health. The overall mapping of field helps to understand how well the crop is established in various parts of the field. It can also tell at what stage the crop is. The GPS equipped drones can be a part of precision agriculture. (d) Irrigation monitoring and management: The thermal sensor facility in drones helps to track moisture status of the field. Real-time monitoring of field moisture status helps to take immediate irrigation or drainage actions. The areas that are deficit in moisture can be identified and area specific or need-based management can be done (e) Seed planting: Some drone manufactures are in experimentation to shoot seed material into prepared soil. If it is proven experimentally, then it would be a giant leap in modern agriculture. (f) Crop management assessment: The extent and nature of damage caused by pests, diseases and weeds can be understood by analysing multispectral images captured using drones.

#### SubQuestion No : 18

**Q.18 Field analysis and knowing about the soil is very important in agriculture for all the following reasons EXCEPT:**

- Ans
- 1. planning planting patterns to follow
  - 2. deciding about immediate irrigation or drainage actions
  - 3. undertaking spraying of herbicides over a large area
  - 4. understanding the heterogeneity of fields

Question ID : 65497840542

Status : Answered

Chosen Option : 2

### Comprehension:

Read the given passage and answer the questions that follow.

Agriculture during this modern era is highly susceptible to climate change, land degradation and shrinkage of resources. In this context, the incorporation of sustainable development and technology advancement in agriculture is a necessity. One of the technological advancements in modern agriculture during recent times is drone technology. Drones or unmanned aerial vehicles (UAVs) are remotely controlled air crafts with no human pilot on board. Use of drone technology in agriculture is having a revolutionary impact. Generally, drones consist of a navigation system, GPS, multiple sensors, high quality cameras etc. They enable evidence-based planning and spatial data collection. Major applications of drones in agriculture include: (a) Soil and field analysis: Potential soil quality, nutrient status, soil moisture status can be mapped by obtaining 3D images of field soil. This enables understanding of the heterogeneity of fields, planting patterns to follow and soil management strategies. (b) Crop spraying or spot spraying: This is the most important application of drones. The plant protection spraying is generally done manually or mechanically. The drone facilitated sprays are comparatively cheaper and more effective than the aforementioned methods. It is the best method for spraying operations over a large area especially when handling hazardous chemicals. It is reported that by using drones there was a reduction in herbicide use by 52% in soybean fields.

(c) Crop mapping and surveying: Near infrared (NIR) equipped drones can assess plant health. The overall mapping of field helps to understand how well the crop is established in various parts of the field. It can also tell at what stage the crop is. The GPS equipped drones can be a part of precision agriculture. (d) Irrigation monitoring and management: The thermal sensor facility in drones helps to track moisture status of the field. Real-time monitoring of field moisture status helps to take immediate irrigation or drainage actions. The areas that are deficit in moisture can be identified and area specific or need-based management can be done (e) Seed planting: Some drone manufactures are in experimentation to shoot seed material into prepared soil. If it is proven experimentally, then it would be a giant leap in modern agriculture. (f) Crop management assessment: The extent and nature of damage caused by pests, diseases and weeds can be understood by analysing multispectral images captured using drones.

#### SubQuestion No : 19

Q.19 3D images of field soil help in knowing about:

- Ans
- 1. the plant health and the stage of the crop
  - 2. seeds to be planted in various parts of the field
  - 3. soil quality, nutrient status and soil moisture status
  - 4. the extent and nature of damage caused by pests, diseases and weeds

Question ID : 65497840540

Status : Answered

Chosen Option : 3



**Comprehension:**

Read the given passage and answer the questions that follow.

Agriculture during this modern era is highly susceptible to climate change, land degradation and shrinkage of resources. In this context, the incorporation of sustainable development and technology advancement in agriculture is a necessity. One of the technological advancements in modern agriculture during recent times is drone technology. Drones or unmanned aerial vehicles (UAVs) are remotely controlled air crafts with no human pilot on board. Use of drone technology in agriculture is having a revolutionary impact. Generally, drones consist of a navigation system, GPS, multiple sensors, high quality cameras etc. They enable evidence-based planning and spatial data collection. Major applications of drones in agriculture include: (a) Soil and field analysis: Potential soil quality, nutrient status, soil moisture status can be mapped by obtaining 3D images of field soil. This enables understanding of the heterogeneity of fields, planting patterns to follow and soil management strategies. (b) Crop spraying or spot spraying: This is the most important application of drones. The plant protection spraying is generally done manually or mechanically. The drone facilitated sprays are comparatively cheaper and more effective than the aforementioned methods. It is the best method for spraying operations over a large area especially when handling hazardous chemicals. It is reported that by using drones there was a reduction in herbicide use by 52% in soybean fields. (c) Crop mapping and surveying: Near infrared (NIR) equipped drones can assess plant health. The overall mapping of field helps to understand how well the crop is established in various parts of the field. It can also tell at what stage the crop is. The GPS equipped drones can be a part of precision agriculture. (d) Irrigation monitoring and management: The thermal sensor facility in drones helps to track moisture status of the field. Real-time monitoring of field moisture status helps to take immediate irrigation or drainage actions. The areas that are deficit in moisture can be identified and area specific or need-based management can be done (e) Seed planting: Some drone manufactures are in experimentation to shoot seed material into prepared soil. If it is proven experimentally, then it would be a giant leap in modern agriculture. (f) Crop management assessment: The extent and nature of damage caused by pests, diseases and weeds can be understood by analysing multispectral images captured using drones.

**SubQuestion No : 20**

**Q.20** What kind of a passage is this?

- Ans
- 1. Discursive
  - 2. Narrative
  - 3. Informative
  - 4. Literary

Question ID : 65497840538

Status : Answered

Chosen Option : 3

**Comprehension:**

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

During my first year of teaching, I was quite (1) \_\_\_\_\_ to find that the school principal, supervisor and teachers (2) \_\_\_\_\_ to be unaware of their professional responsibilities and (3) \_\_\_\_\_ in executing their duties. For example, my principal's main (4) \_\_\_\_\_ were that all window shades be at the same (5) \_\_\_\_\_, the classrooms be quiet and the rose beds should not be stepped upon.

**SubQuestion No : 21**

**Q.21** Select the most appropriate option to fill in blank no. 1.

- Ans
- 1. calm
  - 2. keen
  - 3. content
  - 4. upset

Question ID : 65497840736

Status : Answered

Chosen Option : 2

**Comprehension:**

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

During my first year of teaching, I was quite (1) \_\_\_\_\_ to find that the school principal, supervisor and teachers (2) \_\_\_\_\_ to be unaware of their professional responsibilities and (3) \_\_\_\_\_ in executing their duties. For example, my principal's main (4) \_\_\_\_\_ were that all window shades be at the same (5) \_\_\_\_\_, the classrooms be quiet and the rose beds should not be stepped upon.

**SubQuestion No : 22****Q.22 Select the most appropriate option to fill in blank no. 2.**

- Ans
- 1. appearing
  - 2. appear
  - 3. have appeared
  - 4. appeared

Question ID : 65497840737

Status : Answered

Chosen Option : 4

**Comprehension:**

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

During my first year of teaching, I was quite (1) \_\_\_\_\_ to find that the school principal, supervisor and teachers (2) \_\_\_\_\_ to be unaware of their professional responsibilities and (3) \_\_\_\_\_ in executing their duties. For example, my principal's main (4) \_\_\_\_\_ were that all window shades be at the same (5) \_\_\_\_\_, the classrooms be quiet and the rose beds should not be stepped upon.

**SubQuestion No : 23****Q.23 Select the most appropriate option to fill in blank no. 3.**

- Ans
- 1. incompetent
  - 2. incorrigible
  - 3. incredible
  - 4. inconvenient

Question ID : 65497840738

Status : Answered

Chosen Option : 1

**Comprehension:**

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

During my first year of teaching, I was quite (1) \_\_\_\_\_ to find that the school principal, supervisor and teachers (2) \_\_\_\_\_ to be unaware of their professional responsibilities and (3) \_\_\_\_\_ in executing their duties. For example, my principal's main (4) \_\_\_\_\_ were that all window shades be at the same (5) \_\_\_\_\_, the classrooms be quiet and the rose beds should not be stepped upon.

**SubQuestion No : 24****Q.24 Select the most appropriate option to fill in blank no. 4.**

- Ans
- 1. options
  - 2. benefits
  - 3. concerns
  - 4. choices

Question ID : 65497840739

Status : Answered

Chosen Option : 3

**Comprehension:**

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

During my first year of teaching, I was quite (1) \_\_\_\_\_ to find that the school principal, supervisor and teachers (2) \_\_\_\_\_ to be unaware of their professional responsibilities and (3) \_\_\_\_\_ in executing their duties. For example, my principal's main (4) \_\_\_\_\_ were that all window shades be at the same (5) \_\_\_\_\_, the classrooms be quiet and the rose beds should not be stepped upon.

**SubQuestion No : 25**

**Q.25** Select the most appropriate option to fill in blank no. 5.

- Ans  1. grade  
 2. level  
 3. layer  
 4. stage

Question ID : 65497840740  
Status : Answered  
Chosen Option : 2

## Section : Quantitative Aptitude

**Q.1** The ratio of the ages of A and B, 8 years ago, was 5 : 7. The ratio of their ages, 8 years from now, will be 9 : 11. If the present age of C is 13 years less than that of B, and the present age of D is 8 years less than that of the age of A, then the sum of the present ages of C and D, in years, is:

- Ans  1. 55  
 2. 47  
 3. 53  
 4. 43

Question ID : 65497840553  
Status : Answered  
Chosen Option : 4

**Q.2** If  $7 \cos^2 \theta + 5 \sin^2 \theta - 6 = 0$ , ( $0^\circ < \theta < 90^\circ$ ), then what is the value of  $\sqrt{\frac{\operatorname{cosec} \theta + \cot \theta}{\operatorname{cosec} \theta - \cot \theta}}$ ?

- Ans  1.  $\sqrt{2} + 1$   
 2.  $\sqrt{2} + 3$   
 3.  $2\sqrt{2} + 1$   
 4.  $2\sqrt{2} - 3$

Question ID : 65497840563  
Status : Answered  
Chosen Option : 1

**Q.3** In  $\triangle ABC$ , right angled at B, if  $\cot C = 3$ , then  $\frac{\cos C (\sin C + \sin A)}{\sin A (\cos C - \cos A)}$  is equal to:

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

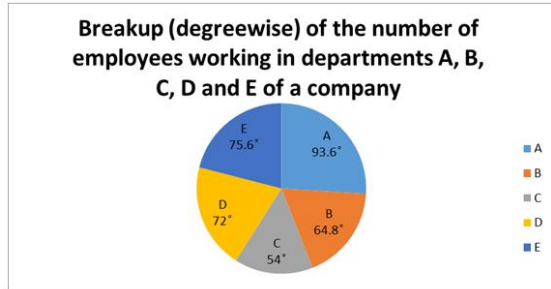
Question ID : 65497840768  
Status : Answered  
Chosen Option : 4

**Q.4** If the 7-digit number  $612x97y$  is divisible by 72, and the 6-digit number  $34z178$  is divisible by 11, then the value of  $(x - 2y + 3z)$  is:

- Ans**
- 1. 7
  - 2. 5
  - 3. 2
  - 4. 6

Question ID : 65497840544  
Status : Answered  
Chosen Option : 3

**Q.5** Study the given graph and answer the question that follows.



Number of employees in Department B = 432

The total number of employees working in offices A and E is what percentage more than the total number of employees working in offices B and C?

- Ans**
- 1.  $40\frac{14}{33}\%$
  - 2.  $42\frac{14}{33}\%$
  - 3.  $45\frac{14}{33}\%$
  - 4.  $41\frac{14}{33}\%$

Question ID : 65497840566  
Status : Answered  
Chosen Option : 2

**Q.6** A worker has an increase of  $12\frac{1}{2}\%$  in her wages rate per hour but there is a drop of 10% in the number of hours worked per week. If her original weekly wages for a week of 40 hours is ₹38,400, then the percentage increase in her total weekly wages is:

- Ans**
- 1. 1.5%
  - 2. 2%
  - 3. 1.25%
  - 4. 2.25%

Question ID : 65497840548  
Status : Answered  
Chosen Option : 3

**Q.7** In  $\triangle ABC$ , D and E are the points on sides AB and AC, respectively, such that  $DE \parallel BC$ . If  $AD = x$ ,  $DB = x - 2$ ,  $AE = x + 2$ , and  $EC = x - 1$ , then  $(AB+EC)$  is equal to (all measurements in cm):

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

Question ID : 65497840562  
Status : Answered  
Chosen Option : 4

**Q.8** Pipes A and B can fill a tank in 18 hours and 24 hours, respectively, while pipe C alone can empty the full tank in 30 hours. Pipes A and B are opened together for 6 hours and then A is closed and C is opened instantly (with B). After closing of pipe A, now how much time (in hours) will B and C together take to fill the tank completely??

- Ans**
- 1. 45
  - 2. 50
  - 3. 42
  - 4. 48

Question ID : 65497840759  
Status : Answered  
Chosen Option : 2

**Q.9** If the 6-digit number  $57zxy8$  is divisible by each of 7, 11 and 13, then  $(x - 2y + z)$  is:

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

Question ID : 65497840645  
Status : Answered  
Chosen Option : 3

**Q.10** The selling price of 5 articles is equal to 6 times the cost price. What is the loss/profit percentage?

- Ans**
- 1. Profit of 18%
  - 2. Loss of 25%
  - 3. Profit of 20%
  - 4. Loss of 15%

Question ID : 65497840652  
Status : Answered  
Chosen Option : 3

**Q.11** Study the given table and answer the question that follows.

The table shows the income and expenditure of companies A and B from 2015 to 2019 (in ₹ crore).

Year	Company A		Company B	
	Income	Expenditure	Income	Expenditure
2015	110	90	160	120
2016	150	125	180	125
2017	200	140	225	140
2018	240	175	320	275
2019	300	220	360	300

40% of the total expenditure of company B from 2015 to 2019 is what per cent less than 65% of the total income of company A from 2015 to 2018? (correct to one decimal place)

- Ans**
- 1. 18.5%
  - 2. 14.7%
  - 3. 15.6%
  - 4. 13.5%

Question ID : 65497840771

Status : Answered

Chosen Option : 1

**Q.12** If  $16x^2 + y^2 = \frac{65}{36}$  and  $xy = \frac{1}{18}$ ,  $x, y > 0$ , then what is the value of  $(64x^3 + y^3)$ ?

- Ans**
- 1.  $\frac{19}{4}$
  - 2.  $\frac{27}{4}$
  - 3.  $\frac{27}{8}$
  - 4.  $\frac{19}{8}$

Question ID : 65497840762

Status : Answered

Chosen Option : 4

**Q.13** Anup bought some pens for ₹9,500. He sold 40% pens at a loss of 12% and one-third of the remaining pens at a profit of 25%. At what per cent profit should he sell the remaining pens, so as to earn a profit of 10% in the entire transaction?

- Ans**
- 1. 24.5%
  - 2. 25.8%
  - 3. 24%
  - 4. 20%

Question ID : 65497840755

Status : Answered

Chosen Option : 1

**Q.14** The perimeter of a field in the shape of a rhombus is 800 m and one of its diagonals is 240 m. What is the area (in  $m^2$ ) of the field?

- Ans**
- 1. 57600
  - 2. 19200
  - 3. 38400
  - 4. 28800

Question ID : 65497840761  
Status : Answered  
Chosen Option : 3

**Q.15** In a right-angled triangle, if the hypotenuse is 101 cm and one of its sides is equal to 20 cm, what is its area (in  $cm^2$ )?

- Ans**
- 1. 2020
  - 2. 1010
  - 3. 1980
  - 4. 990

Question ID : 65497840663  
Status : Answered  
Chosen Option : 4

**Q.16** A train takes 1 hour 20 minutes to travel between two stations P and Q. If it travels at  $\frac{2}{7}$  of its usual speed, how long will it take to travel between P and Q?

- Ans**
- 1. 4 hour 10 minutes
  - 2. 5 hour 20 minutes
  - 3. 4 hour 40 minutes
  - 4. 3 hour 30 minutes

Question ID : 65497840658  
Status : Answered  
Chosen Option : 3

**Q.17** A sum of ₹2,485 is divided between A, B and C such that the ratio of the shares of A and B is 8 : 5 and that of C and A is 4 : 3. What is the share (in ₹) of B?

- Ans**
- 1. 525
  - 2. 630
  - 3. 1,120
  - 4. 840

Question ID : 65497840756  
Status : Answered  
Chosen Option : 1

**Q.18** The ratio of the number of boys to that of girls in a class is 4 : 5. The average score in mathematics of all the boys and girls is 70. If the average score of the girls is 30% more than that of the boys, then what is the average score of the boys?

- Ans**
- 1. 54
  - 2. 64
  - 3. 68
  - 4. 60

Question ID : 65497840750  
Status : Answered  
Chosen Option : 4

**Q.19** The simple interest on a certain sum of ₹P at a rate of r% per annum for 3 years is ₹11,250 and the compound interest on the same sum for 2 years at the same rate percent p.a. is ₹7,650. What is the value of P and r, respectively?

- Ans**
- 1. ₹93750 and 4%
  - 2. ₹93750 and 5%
  - 3. ₹92500 and 6%
  - 4. ₹92500 and 7%

Question ID : 65497840554  
Status : Answered  
Chosen Option : 1

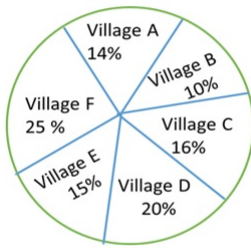
**Q.20** If  $\sqrt{x} - \frac{1}{\sqrt{x}} = \sqrt{14}$ , then the value of  $\sqrt{x^2 + \frac{1}{x^2}}$  is (correct to one decimal place):

- Ans**
- 1. 15.9
  - 2. 16.6
  - 3. 17.8
  - 4. 14.7

Question ID : 65497840560  
Status : Answered  
Chosen Option : 1



**Q.21** Study the given pie chart that represents the percentage population of six villages A, B, C, D, E and F in 2020, and answer the question that follows.



Village	Percentage of population below poverty line
A	30
B	45
C	55
D	60
E	58
F	40

The difference between the central angles of the sectors representing the percentage population of villages D and F is:

- Ans**
- 1.  $22^\circ$
  - 2.  $18^\circ$
  - 3.  $25^\circ$
  - 4.  $15^\circ$

Question ID : 65497840667

Status : Answered

Chosen Option : 2

**Q.22** When the price of rice increases by 25%, a person increases his expenditure on rice only by 15%. By what percentage should he reduce his consumption of rice so as to be able to maintain the same level of expenditure?

- Ans**
- 1. 5%
  - 2. 9%
  - 3. 8%
  - 4. 7%

Question ID : 65497840651

Status : Answered

Chosen Option : 3

**Q.23** An article is marked ₹224 above its cost price. It was sold at a profit of 20% after giving a discount of 15% on its marked price. What is the selling price (in ₹) of the article?

- Ans**
- 1. 652.80
  - 2. 672.30
  - 3. 625.75
  - 4. 615.45

Question ID : 65497840649

Status : Answered

Chosen Option : 1

**Q.24** The ratio of the number of boys to the number of girls in a class is 4 : 15. The average height of the boys is 161.2 cm and the average height of all the students is 154.5 cm. What is the average height (in cm) of the girls? (Correct to one decimal place)

- Ans**
- 1. 156.8
  - 2. 147.5
  - 3. 152.7
  - 4. 158.2

Question ID : 65497840545  
Status : Answered  
Chosen Option : 3

**Q.25** If  $(x + y)^3 + 27(x - y)^3 = (Ax - 2y)(Bx^2 + Cxy + 13y^2)$ , then the value of  $(2A + B + C)$  is:

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

Question ID : 65497840661  
Status : Answered  
Chosen Option : 3

Section : General awareness

**Q.1** Who among the following got Padma Vibhushan Award 2022 under the Public Affairs category?

- Ans**
- 1. Ghulam Nabi Azad
  - 2. Natrajan Chandrasekaran
  - 3. Bipin Rawat
  - 4. Kalyan Singh

Question ID : 65497840588  
Status : Answered  
Chosen Option : 1

**Q.2** During the freedom movement, when did the Indian National Congress make the demand for a Constituent Assembly to frame a separate Constitution for India?

- Ans**
- 1. 1933
  - 2. 1932
  - 3. 1931
  - 4. 1934

Question ID : 65497840590  
Status : Not Answered  
Chosen Option : --

**Q.3** In which year did Mahatma Gandhi make his first major public appearance in India?

- Ans**
- 1. 1918
  - 2. 1916
  - 3. 1917
  - 4. 1915

Question ID : 65497840585  
Status : Answered  
Chosen Option : 3

Q.4 The confluence of two holy rivers Alaknanda and Bhagirathi to form Ganga is known as \_\_\_\_\_.

- Ans
- 1. Devmukhut
  - 2. Devprayag
  - 3. Devkoomud
  - 4. Devdristi

Question ID : 65497840782  
Status : Not Answered  
Chosen Option : --

Q.5 As of December 2021, which of the following countries is the second-largest trade partner of Bangladesh?

- Ans
- 1. Pakistan
  - 2. Myanmar
  - 3. Sri Lanka
  - 4. India

Question ID : 65497840683  
Status : Answered  
Chosen Option : 4

Q.6 भारतीय संविधान की चौथी अनुसूची निम्नलिखित में से किससे संबंधित है?

- Ans
- 1. राज्य विधान परिषद में सीटों के आवंटन
  - 2. राज्य सभा में सीटों के आवंटन
  - 3. लोक सभा में सीटों के आवंटन
  - 4. राज्य विधान सभा में सीटों के आवंटन

Question ID : 65497840693  
Status : Answered  
Chosen Option : 2

Q.7 Which of the following is NOT a characteristic of Amphibia class of animals?

- Ans
- 1. The amphibian skin is moist (without scales).
  - 2. In amphibians, a tympanum represents the ear.
  - 3. Amphibians' eyes are without eyelids.
  - 4. The amphibians can live in aquatic as well as terrestrial habitats.

Question ID : 65497840575  
Status : Not Answered  
Chosen Option : --

Q.8 During the colonial rule in India, which hill station became the official residence of the commander-in-chief of the Indian Army?

- Ans
- 1. Darjeeling
  - 2. Mount Abu
  - 3. Mussoorie
  - 4. Shimla

Question ID : 65497840686  
Status : Not Answered  
Chosen Option : --

Q.9 Ascariasis, a disease is caused due to which of the following helminths is known to be pathogenic to man?

- Ans
- 1. Wuchereria (filarial worm)
  - 2. Protozoans
  - 3. Ringworms
  - 4. Common round worms

Question ID : 65497840577  
Status : Not Answered  
Chosen Option : --

Q.10 The 'Reporters Without Borders', a not-for-profit body published the 'World Press Freedom Index, 2021' which ranked 180 countries. What is the rank of India in this index?

- Ans
- 1. 87
  - 2. 79
  - 3. 142
  - 4. 164

Question ID : 65497840573  
Status : Answered  
Chosen Option : 3

Q.11 The thickness of the ozone in a column of air from the ground to the top of the atmosphere is measured in terms of \_\_\_\_\_.

- Ans
- 1. Micrometer
  - 2. Dobson Units (DU)
  - 3. Karat
  - 4. Carat

Question ID : 65497840678  
Status : Answered  
Chosen Option : 2

Q.12 'Natyashastra', a Sanskrit Hindu text that deals with performing arts, elucidates several gestures of Indian classical dances and according to it Mohiniyattam is which of the following form of dances?

- Ans
- 1. Lasya
  - 2. Bhava
  - 3. Tandava
  - 4. Rasa

Question ID : 65497840568  
Status : Not Answered  
Chosen Option : --

Q.13 Nirvik (Niryat Rin Vikas Yojana) scheme announced in 2020-21 Union Budget is related to which component of the export credit?

- Ans
- 1. Collateral
  - 2. Subsidy
  - 3. Insurance
  - 4. Rate of Interest

Question ID : 65497840673  
Status : Not Answered  
Chosen Option : --

Q.14 The unit of electrical resistance in the metre-kilogram-second system is called a/an

- Ans
- 1. watt
  - 2. volt
  - 3. ampere
  - 4. ohm

Question ID : 65497840778  
Status : Not Answered  
Chosen Option : --

Q.15 As per India Census 2011, which of the following languages after Hindi is spoken by the maximum number of people in India?

- Ans
- 1. Bengali
  - 2. Tamil
  - 3. Urdu
  - 4. Marathi

Question ID : 65497840580  
Status : Answered  
Chosen Option : 3

Q.16 सिंधु घाटी सभ्यता का निम्नलिखित में से कौन सा शहर, अधिकतर विशेष रूप से शिल्प उत्पादन के लिए समर्पित था, जिसमें मनके बनाना, खोल (शेल) कर्तन, धातु कार्य, मुहर निर्माण और भार-निर्माण शामिल थे?

- Ans
- 1. बालाकोट
  - 2. गनवेरीवाला
  - 3. अमरी
  - 4. चन्हुदड़ो

Question ID : 65497840684  
Status : Answered  
Chosen Option : 4

Q.17 The Bibi Ka Maqbara, the burial place of Aurangzeb's wife, Rabia-ud-Durrani near Aurangabad city is an imitation of which of the following monuments?

- Ans
- 1. Jama Masjid at Delhi
  - 2. Safdarjung's Tomb at New Delhi
  - 3. Humayun's Tomb at New Delhi
  - 4. Taj Mahal at Agra

Question ID : 65497840672  
Status : Not Answered  
Chosen Option : --

Q.18 Which of the following schemes was launched to raise the overall status of the girl-child and bring about a positive change in family and community attitudes?

- Ans
- 1. Bharat Kumari Yojana
  - 2. Durga Drishti Yojana
  - 3. Balika Vigyan Yojana
  - 4. Balika Samridhhi Yojana

Question ID : 65497840776  
Status : Answered  
Chosen Option : 4

Q.19 Kargil Vijay Diwas is celebrated on \_\_\_\_\_ every year.

- Ans  1. 6th December  
 2. 26th July  
 3. 24th August  
 4. 7th May

Question ID : 65497840773  
Status : Answered  
Chosen Option : 2

Q.20 In January 2022, who was sworn in as the first woman president of Honduras?

- Ans  1. Marlene Alvarenga  
 2. Karla Cuevas  
 3. Xiomara Castro  
 4. María Dolores Agüero

Question ID : 65497840689  
Status : Not Answered  
Chosen Option : --

Q.21 India defeated which of the following countries in the ICC U19 World Cup final at the Sir Vivian Richards Stadium in Antigua on 5th February 2022?

- Ans  1. Pakistan  
 2. South Africa  
 3. Australia  
 4. England

Question ID : 65497840592  
Status : Not Answered  
Chosen Option : --

Q.22 Which of the following dynasties ruled from Thaneshwar?

- Ans  1. Maurya  
 2. Satavahana  
 3. Pushyabhuti  
 4. Rashtrakuta

Question ID : 65497840787  
Status : Not Answered  
Chosen Option : --

Q.23 When was the Majority Act, which defines the age of the majority of Indian citizens, passed?

- Ans  1. 1902  
 2. 1880  
 3. 1910  
 4. 1875

Question ID : 65497840793  
Status : Not Answered  
Chosen Option : --

Q.24 Who is the author of the book 'AIIMS Mein Ek Jung Ladte Hue'?

- Ans
- 1. ~~Nirmala Sitharaman~~
  - 2. ~~Piyush Goyal~~
  - 3. ~~Nitin Gadkari~~
  - 4. Ramesh Pokhriyal

Question ID : 65497840790  
Status : Not Answered  
Chosen Option : --

Q.25 In which of the following years did the Opium Act come into force to regulate the cultivation of opium poppy and manufacture of opium?

- Ans
- 1. ~~1901~~
  - 2. ~~1899~~
  - 3. ~~1920~~
  - 4. 1857

Question ID : 65497840783  
Status : Not Answered  
Chosen Option : --



Teachingninja.in