

# **DSSSB TGT**

**Previous Year Paper  
Computer Science  
General Section  
1 Aug 2021**

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Participant ID	
Participant Name	
Test Center Name	iON Digital Zone iDZ 2 GT Karnal Road
Test Date	01/08/2021
Test Time	12:30 PM - 2:30 PM
Subject	TGT Computer Science

Section : General Awareness

Q.1 Which of the following pair of sportsperson – sports is correct?

- I. Rory Mclroy – Golf
- II. Martina Hingis – Tennis

- Ans  A. Both I and II
- B. Neither I nor II
- C. Only I
- D. Only II

Question ID : 54062617131

Q.2 Which organism causes rust of wheat?

- Ans  A. Fungi
- B. Virus
- C. Bacteria
- D. Protozoa

Question ID : 54062617118

Q.3 Which organisation releases the World Economic Outlook report?

- Ans  A. ADB
- B. IMF
- C. World Bank
- D. International Economic Association

Question ID : 54062617126

Which of the following regarding earthquake is correct?

I. Longitudinal  
II. Transverse

I and II

II

I

Neither I nor II

Question ID : 54062617119

Which of the following is found in window cleaner?

Sodium Hydroxide

Calcium Hydroxide

Ammonium Hydroxide

Potassium Hydroxide

Question ID : 54062617116

Who organised a satyagraha to support peasants of Kheda district.

Mahatma

Sardar Vallabhbhai Patel

Gandhiji

Jinnah

Question ID : 54062617122

Which of the following statement(s) regarding The Mohammedan Anglo Oriental college is/are correct?

I. It was founded by Sayyid Ahmed Khan.  
II. It was established in 1875.

I

Neither I nor II

II

I and II

Question ID : 54062617124

Which of the following is a major cotton growing city in India?

Lucknow

Ahmedabad

Bangalore

Bhopal

Jaipur

Patna

Ranchi

Thiruvananthapuram

Chandigarh

Dehra Dun

Guwahati

Shillong

Following metal deposits are found in Asia?

- I II
- nd III
- d III
- I III

Question ID : 54062617120

Following pair of article – contents of Indian constitution is correct?

Administration of Union territories  
Special provisions with respect to Delhi

- II
- I and II
- Neither I nor II
- I

Question ID : 54062617128

Following pair of river – flow direction is correct?

- East
- II
- I and II
- I
- Neither I nor II

Question ID : 54062617121

से कौन सा एक सुषिर वाद है?

- I
- II
- III

Question ID : 54062617112

can also be called \_\_\_\_\_.

- Ratio
- ...

Following happens due to atmospheric refraction?

I stars  
II sunrise and delayed sunset

I and II

I

Neither I nor II

II

Question ID : 54062617117

निम्नलिखित में से कौन सा युग्म सही है?

I

II

II दोनों

I ना ही II

I

Question ID : 54062617113

Headquarters of International Labour Organisation are situated in \_\_\_\_\_.

New York

London

Geneva

Geneva

Question ID : 54062617127

The inauguration of the Khelo India Winter Games began at Gulmarg on \_\_\_\_\_ 2021.

January 30

February 5

February 26

February 21

Question ID : 54062617125

The ratio of the stock of money to the stock of high powered money in an economy is called \_\_\_\_\_.

Money multiplier

Money credit

Money exchange

sted the 2018 commonwealth games?

ey

erra

ourne

Coast

Question ID : 54062617130

न का कौन सा अनुच्छेद पंचायतों की अवधि से संबंधित है?

)

:

<

\

Question ID : 54062617129

ility

ren with one term missing. Select the correct alternative from the given ones  
lete the series.

IR, SGN, ?

J

Question ID : 54062617132

ing the given two numbers which of the following equation will be incorrect?

$\} \times 2 \div 4 - 5 = 14$

$\} \times 2 \div 5 - 4 = 19$

$\} \times 7 \div 4 - 5 = 17$

$! \times 6 \div 4 - 1 = 7$

Question ID : 54062617144

ing question, select the related letters from the given alternatives.

TIP : ?

Question ID : 54062617135

ing towards west direction. He walks 20 km and then rotates by 90 degrees in  
action. He again rotates by 295 degrees in anticlockwise direction. In which  
direction is he facing now?

h-east

h-west

h-east

Question ID : 54062617148

cup heights H, R, S, T, V and X is compared. Height of X is more than at least two  
of V is more than X but less than S. Height of R is more than H. If the height of  
T is more than S, then which of the following sequence can be correct?

III

II and III

II

II and III

Question ID : 54062617139

में कुछ कथन और उनके बाद उन कथनों पर आधारित कुछ निष्कर्ष दिए गए हैं। दिए गए  
माने, चाहे उनमें सामान्य ज्ञात तथ्यों से भिन्नता हो। सभी निष्कर्ष पढ़ें और फिर निर्धारित करें कि  
निष्कर्ष, दिए गए कथनों के आधार पर युक्तिसंगत हैं।

I नहीं है।

नहीं है।

. नहीं है।

निष्कर्ष I अनुसरण करता है

भी निष्कर्ष अनुसरण नहीं करता है

निष्कर्ष II अनुसरण करता है

P, Q, R, S, T, U, V and W are sitting around a circular table facing towards the (necessarily in the same order). T is third to the left of V. V is to the immediate right of P. W is second to the right of U. U is not the immediate neighbour of Q. Who is second to the right of P?

Question ID : 54062617138

For the following question, select the missing number from the given series.

1963

Question ID : 54062617143

P, R, S, T तथा U को लेक्चर प्रस्तुत करने हैं। प्रत्येक अध्यापक सोमवार से शनिवार तक में से प्रस्तुत करेगा। प्रत्येक अध्यापक विभिन्न दिन पर लेक्चर प्रस्तुत करेगा। 3 पुरुष तथा 3 महिला प्रत्येक पुरुष एक महिला से विवाहित है। T तथा U के बीच दो से ज्यादा लोग प्रस्तुत करते हैं। R प्रस्तुत करता है परंतु उसकी पत्नी सोमवार को प्रस्तुत नहीं करती। P, S के अगले दिन प्रस्तुत करता प्रत्येक मध्य 2 लोग प्रस्तुत करते है। P की पत्नी P के अगले दिन प्रस्तुत करती है। T तथा U लिंग समान में से कौन सा कथन सही नहीं है?

I T U एक विवाहित जोड़ा है

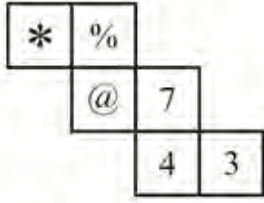
II महिला अध्यापक है तथा उसका पति बुधवार को प्रस्तुत करता है

III S के बीच में दो लेक्चर प्रस्तुत किए जाते हैं

IV पत्नी सोमवार को प्रस्तुत करती है

Question ID : 54062617140

Given paper, which of the following cube cannot be made?



II



III



IV

II and IV

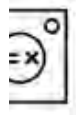
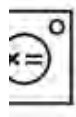
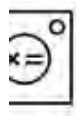
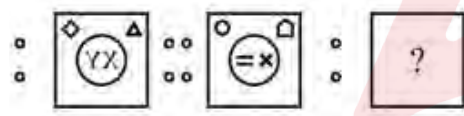
and IV

I II

id IV

Question ID : 54062617151

Given on the left side of (::) are related with some logic/rule/relation. Select the one on the right of (::) from the given alternatives based on the same relation.



Question ID : 54062617149

Given paper, which of the following cube cannot be made?



II



III



IV

id IV

nd III

d III

IV

Question ID : 54062617150

In the following question, select the odd word from the given alternatives.

1. Net  
2. Ser

Question ID : 54062617134

In the following question, a group of letters is given. The letters of each group are related to each other by some Logic/Rule/Relation. From the given alternatives, select a group of letters which follows the same Logic/Rule/Relation.

(FCFP)

(N, QXZW, WEHF)

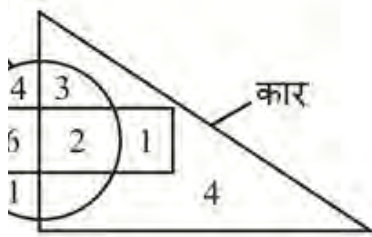
(R, RWKZ, XDSI)

(P, GQVY, MXEH)

(A, ZNXJ, EUFS)

Question ID : 54062617136

कूटर हैं?



Question ID : 54062617145

In a code language, 'I think I can' is written as '6 8 6 4', 'We can think about' is written as '1 8 9'. What is the code for 'think, can' in that code language?

Question ID : 54062617137

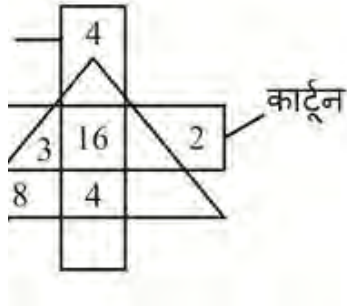
Complete the series with one term missing. Select the correct alternative from the given ones.

ZYZG, ?, FILO

- A
- B
- C
- D

Question ID : 54062617133

ख के आधार पर, निम्नलिखित में से कौन सा/से कथन सही नहीं है/हैं?



ली नहीं हैं, की संख्या 4 है।  
ल संख्या 23 है।

॥

॥ दोनों

।

। ना ही ॥

Question ID : 54062617146

25 metres in north. He turns right and walks 72 metres to reach point A. He  
ght and walks 16 metres. He finally turns left and walks 8 metres to reach  
far is point B from point A and in which direction is starting point from point B?

320 North-East

340 South-West

40 North-East

20 South-West

Question ID : 54062617147

में कुछ कथन और उनके बाद उन कथनों पर आधारित कुछ निष्कर्ष दिए गए हैं। दिए गए  
माने, चाहे उनमें सामान्य ज्ञात तथ्यों से भिन्नता हो। सभी निष्कर्ष पढ़ें और फिर निर्धारित करें कि  
निष्कर्ष, दिए गए कथनों के आधार पर युक्तिसंगत हैं।

सही हैं।

३, शहद नहीं है।

भेद नहीं हैं।

फेद नहीं हैं।

शहद हैं।

निष्कर्ष I तथा II अनुसरण करते हैं

Ability

Value of  $15 \times 15 \times 15 + 64 + 3 \times 60 \times 19$ ?

- )
- )
- )
- )

Question ID : 54062617154

672, then what is the average of a and b?

Question ID : 54062617157

A rectangle is 110 cm and difference between length and breadth is 5 cm. If the area of the rectangle is equal to the area of an equilateral triangle, then what will be the side of the equilateral triangle?

$(150)^{\frac{1}{4}}$  cm

$\times (100)^{\frac{1}{4}}$  cm

$\times (100)^{\frac{1}{4}}$  cm

$\times (300)^{\frac{1}{4}}$  cm

Question ID : 54062617167

If  $P = 7A$ , then P is how much percent more than A?

- 3
- 6
- 2

Question ID : 54062617158

old selling price of an article are in ratio of 11 : 16. If cost price is increased by 20 percent and selling price is increased by 20 percent, then what is the new profit

- 4
- 6
- 5
- 3

Question ID : 54062617160

Interest received on a certain sum is Rs. 1280 for 4 years. What will be the interest on the same at the same rate of interest for 10 years?

- Rs 100
- Rs 200
- Rs 230
- Rs 600

Question ID : 54062617163

then what is the value of  $x^4 : y^4$ ?

- 2
- 6
- 2
- 3

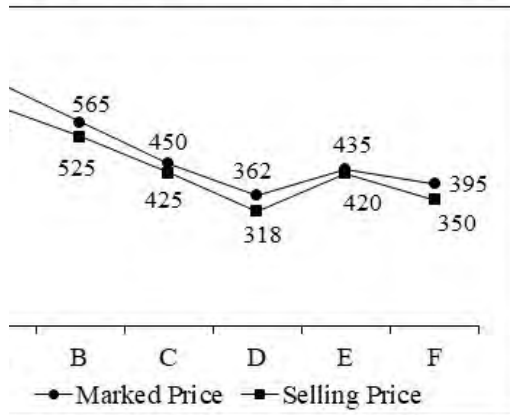
Question ID : 54062617161

A car covers a distance of 30 km in 36 minutes. If its speed is decreased by 10 km/hr, then what is the time taken by it to cover the same distance?

- 45 minutes
- 48 minutes
- 50 minutes
- 52 minutes

Question ID : 54062617164

Figure given below shows the marked price and selling price of six articles A, B, C, D, E and F.



(Marked price – Selling price)

$$\% = \frac{\text{Marked price} - \text{Selling price}}{\text{Marked price}} \times 100$$

sum of discount on articles C and D  
 difference of discount on articles D and E

value of J1 – J2?

Question ID : 54062617170

If the difference between the two numbers is 75 percent of their sum, then what is the ratio of the larger number and smaller number?



Question ID : 54062617159

Which of the following statement is correct?

- I. A boat travels 84 km downstream and 42 km upstream. If speed of boat and speed of stream is 10 km/hr and 2 km/hr respectively, then total time taken is 20 hours.
- II. A train of length 1200 meters. If a 600 meter long train can cross it in 30 seconds, then the speed of the train is 54 km/hr.

- A. I only
- B. II only
- C. Both I and II
- D. Neither I nor II

value of  $\sqrt[3]{0.02} + \sqrt{0.000049}$ ?

3

Question ID : 54062617152

The volume of a sphere is  $29106 \text{ cm}^3$ . What will be the ten times of the radius of

cm

m

cm

m

Question ID : 54062617168

3, then what is the value of  $(b^2 + 2a^2) : (b^2 - 2a^2)$ ?

1

11

1

2

Question ID : 54062617162

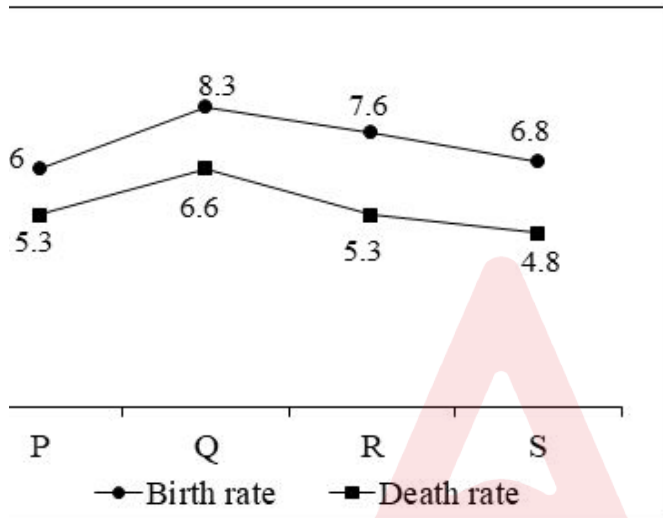
, then what is the value of  $\left(\frac{A-B}{A+B}\right)$ ?

Question ID : 54062617153

to a work in 15 days working 4 hours a day. If after 5 days, 4 men leave the remaining work can be done in how many days?

Question ID : 54062617166

The following graph shows the birth rate (per thousand persons) and death rate (per thousand persons) of countries P, Q, R and S in the year 2018.



Which of the following statement(s) is/are correct?  
 I. Country Q is 9.2 percent more than country R.  
 II. Country R is 11.76 percent more than the birth rate of country S.  
 III. Country Q is 32 percent more than the birth rate of country S.

- I and III
- I and II
- I
- II

Question ID : 54062617171

Table below shows the price (in lakh) of six cars C1, C2, C3, C4, C5 and C6 in three cities X, Y and Z.

	X	Y	Z
C1	3.5	3.25	4.2
C2	4.8	5.2	5.4
C3	4.8	4.4	3.8
C4	4.5	3.5	3.0
C5	4.0	4.2	3.8
C6	5.2	5.0	5.4

Which of the following statement(s) is/are correct?

- I. The ratio of price of C1 in city X to the price of C4 in city Z is 6 : 7 respectively.  
 II. The ratio of price of C1 in the city X to the price of C4 in city Z is 7 : 6 respectively.  
 III. The price of C1 is 5 percent more in city Y than the price in city X.

Which of the following is/are correct?

- I  
 II and III  
 III

Question ID : 54062617169

The Highest Common Factor of two numbers is  $\frac{2}{5}$ th of their Least Common Multiple. If the product of two numbers is 1690, then what is their Highest Common Factor?

Question ID : 54062617156

Which of the following numbers will completely divide  $(7^{29} - 7^{30} - 7^{31} + 7^{32})$ ?

Question ID : 54062617155

द का पर्यायवाची नहीं हैं, ज्ञात कीजिए।

अ  
इ  
ः

Question ID : 54062617178

वस्तुविशेष का बोध करने वाले शब्दों को क्या कहते हैं?

नाचक संज्ञा

नाचक संज्ञा

नाचक संज्ञा

वाचक संज्ञा

Question ID : 54062617173

अ्यों में से सरल वाक्य ज्ञात कीजिए।

। बुलाया इसलिए वह आ गया।

। माप बुलाएँगे तब वह आ जाएगा।

। न बुलाने पर वह आ जाएगा।

। बुलाएँगे तो वह आ जाएगा।

Question ID : 54062617182

शुद्ध वर्तनी का चयन कीजिए।

क  
ोक  
क  
कैक

Question ID : 54062617176

। उपयुक्त विराम चिह्न का चयन कीजिए।

लेट के छोटे छोटे टुकड़े कर दिए।

। विलोम शब्द ज्ञात कीजिए।

Question ID : 54062617175

भयों में से शुद्ध वाक्य का चयन कीजिए।

ओर दूसरे से वह काम करा लीजिये।

ओर दूसरे से यह काम करा लीजिये।

दूसरे से यह काम करवा लीजिये।

दूसरे को बुलाइए और उससे यह काम करा लीजिये।

Question ID : 54062617181

। सही तत्सम-तद्भव ज्ञात कीजिए।

कौन

ःन-ओढ़ना

क-ककड़ी

ल-उल्लू

Question ID : 54062617174

। से मध्यम पुरूष सर्वनाम ज्ञात कीजिए।

में बुलाया गया है।

कक्षा

Question ID : 54062617172

। में, दिए गए चार विकल्पों में से, उस विकल्प का चयन करें जो दिए गए मुहावरे के अर्थ को यक्त करता है।

।

।।इयों का ज्ञान होना

नर्य के साथ दूसरा कार्य भी पूरा करना

किस पुरूष का उदाहरण है, ज्ञात कीजिए।

य बोलता है।

।

पुरूष

Question ID : 54062617180

य में, दिए गए चार विकल्पों में से, उस विकल्प का चयन करें जो दिए गए मुहावरे के अर्थ को यक्त करता है।

हचानना

डुई प्रतिभा

य होना

गे बात जानना

समझना

Question ID : 54062617185

ने वृत्ति ज्ञात कीजिए।

य पर आना ही होगा।

गार्थक वृत्ति

र्थक वृत्ति

ार्थक वृत्ति

ग सूचक वृत्ति

Question ID : 54062617179

उपयुक्त विराम चिह्न का चयन कीजिए।

म किस दिन जाओगे

चक

गदिबोधक

ेराम

राम

Question ID : 54062617184

I के लिए उचित शब्द का चयन कीजिए।

II

स

अ

T

Question ID : 54062617177

on:

या है। गद्यांश को ध्यानपूर्वक पढ़ें तथा प्रश्नों के सही विकल्प चुने।

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No : 16

का उपयुक्त शीर्षक क्या होगा?

र

देवस

की शिक्षा

की क्षमता और प्रतिभा

Question ID : 54062617192

Qn:

या है। गद्यांश को ध्यानपूर्वक पढ़ें तथा प्रश्नों के सही विकल्प चुने।

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No : 17

रु का जन्म दिवस ओर किस रूप में मनाया जाता है?

दिवस

देवस

देवस

पोषण दिवस

Question ID : 54062617189

Qn:

या है। गद्यांश को ध्यानपूर्वक पढ़ें तथा प्रश्नों के सही विकल्प चुने।

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No : 18

हकर पुकारते थे?

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Question ID : 54062617190

Qn:

या है। गद्यांश को ध्यानपूर्वक पढ़ें तथा प्रश्नों के सही विकल्प चुने।

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No : 19

ल नेहरू का जन्म कब हुआ था?

म्बर 1999

म्बर 1889

म्बर 1989

म्बर 1889

Question ID : 54062617188

Qn:

या है। गद्यांश को ध्यानपूर्वक पढ़ें तथा प्रश्नों के सही विकल्प चुने।

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No : 20

लिए समर्पित हैं?

लिए

के लिए

के लिए

जेक न्याय के लिए

Question ID : 54062617191

Word that can substitute the given sentence.

- Word
- icide
- icide
- icide
- icide

Question ID : 54062617207

For the following question, out of the given four alternatives, select the alternative which best represents the meaning of the Idiom/Phrase.

- ce
- vercome reserve
- nterfreeze something
- ake an end
- last option

Question ID : 54062617205

Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select No improvement.

In the area you choose depends upon your interest field.

- est area
- off interest
- of interesting
- no improvement

Question ID : 54062617196

For the following question, four words are given out of which one word is correctly spelt. Choose the correctly spelt word.

- onsive
- onsive
- onseve
- onsive

Question ID : 54062617203

Word that means the same as the given word.

- say

parts of the sentence in the correct order.

o often spoke about the power of  
d and the need for female solidarity  
ders liked the Wonder Woman  
use it presented a strong and confident

- Q
- S
- P
- Q

Question ID : 54062617200

st appropriate option to substitute the underlined segment in the given  
o substitution is required, select No improvement.

hen you focus on your studies?

- nprovement
- h

Question ID : 54062617195

uestion, four words are given out of which one word is incorrectly spelt.  
orrectly spelt word.

- omics
- inology
- less
- ulation

Question ID : 54062617204

of the given sentence that has an error in it. If there is no error, choose 'No

p (1)/ of the awful behavior (2)/ of her cousins. (3)/ No error (4)

- got fed up
- rror
- e awful behavior
- r cousins.

Question ID : 54062617193

ing question, out of the given four alternatives, select the alternative which best  
e meaning of the Idiom/Phrase.

le's heels

ie suddenly

in a competition

strain someone

njoy oneself

Question ID : 54062617206

ord that is opposite in meaning to the given word.

digm

n

acter

dox

Question ID : 54062617202

of the given sentence that has an error in it. If there is no error, choose 'No

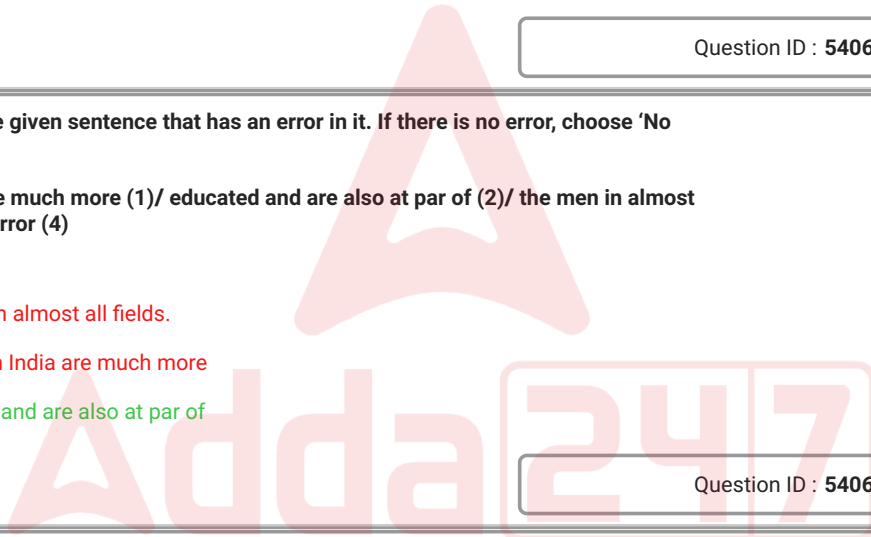
ia are much more (1)/ educated and are also at par of (2)/ the men in almost  
No error (4)

rrow

men in almost all fields.

men in India are much more

ated and are also at par of



Question ID : 54062617194

parts of the sentence in correct order.

seases of the coffee shrub  
it caused by the fungus Hemileia vastatrix, which  
attacks the Arabica  
derable damage in the plantations of Arabica,  
ffee berry disease caused by the fungus Colletotrichum coffeanum,

Q

S

S

P

Question ID : 54062617199

as been given with a blank to be filled with an appropriate word/words. Choose alternative.

arents \_\_\_\_ her husband wants to meet her.

Question ID : 54062617198

as been given with a blank to be filled with an appropriate word. Choose the alternative.

! great efforts she failed to \_\_\_\_ her exam.

;

e

te

e

Question ID : 54062617197

on:

Using information carefully and answer the given questions.

As “4 per mille” and Terraton aim to sequester huge amounts of carbon in the U.S. Farm Bill includes the first-ever incentives for farmers to adopt practices improving soil health and sequestering carbon. But these initiatives are missing a key element: all soil carbon is not the same. Different lifetimes of particulate organic matter and mineral-associated organic matter have important implications for these efforts. For example, adding low-quality carbon to agricultural fields would likely create more particulate organic matter than mineral-associated organic matter. This could increase soil carbon in the short term – but if the soil is disturbed by tilling, a lot of it would decompose and the benefit would be reduced. The best practices focus on building up the mineral-associated organic matter for long-term carbon storage, while also producing high-quality particulate organic matter through the use of nitrogen to help boost crop productivity. Healthy soils show us that providing continuous and diverse plant inputs that reach all layers of soil is key for achieving both high mineral-associated organic matter storage and efficient organic matter recycling. There are many promising ways to do this, such as planting cover crops year-round; growing diverse crops that include high-nitrogen legumes and perennials with deep roots; and minimizing tillage. Not all soils can accumulate both mineral-associated organic matter and particulate organic matter. Before implementing any management practices for carbon sequestration, farmers should first assess the carbon storage potential of the local soil, much as a doctor would be a patient before prescribing a cure. Sequestering soil carbon effectively requires a deep understanding of how particulate organic matter and mineral-associated organic matter interact, how human actions affect them, and how to build up both types to meet our climate and food security needs.

No : 16

Which conclusion can be drawn from the given passage?

Food security is as essential as maintaining the appropriate weather and necessary agricultural strategies must be followed.

Minimum usage of low-quality carbon should be done in agricultural field as it is the best option.

It is important to keep the check on human action as it affects sequestration of soil carbon.

To meet our food security and climate needs proper balance between mineral and particulate organic matter is required, considering human interaction.

Question ID : 54062617213

on:

Using information carefully and answer the given questions.

has “4 per mille” and Terraton aim to sequester huge amounts of carbon in the U.S. Farm Bill includes the first-ever incentives for farmers to adopt practices improving soil health and sequestering carbon. But these initiatives are missing a key element: all soil carbon is not the same. Different types of soil carbon have different lifetimes of particulate organic matter and mineral-associated organic matter. These differences have important implications for these efforts. For example, adding low-quality crop residues to agricultural fields would likely create more particulate organic matter than mineral-associated organic matter. This could increase soil carbon in the short term – but if the soil is disturbed by tilling, a lot of it would decompose and the benefit would be reduced. The best practices focus on building up the mineral-associated organic matter for long-term carbon storage, while also producing high-quality particulate organic matter through the use of nitrogen to help boost crop productivity. Healthy soils show us that providing continuous and diverse plant inputs that reach all layers of soil is key for achieving both high mineral-associated organic matter storage and high particulate organic matter recycling. There are many promising ways to do this, such as planting cover crops year-round; growing diverse crops that include high-nitrogen legumes and perennials with deep roots; and minimizing tillage. Not all soils can accumulate both mineral-associated organic matter and particulate organic matter. Before implementing any management practices for carbon sequestration, farmers should first assess the carbon storage potential of the local soil, much as a doctor would assess a patient before prescribing a cure. Sequestering soil carbon effectively requires a deep understanding of how particulate organic matter and mineral-associated organic matter differ, how human actions affect them, and how to build up both types to meet our climate and food security needs.

No : 17

Which of the following can be drawn from the statement ‘doctor studies a patient before prescribing a cure’ in respect of the given passage?

(A) Before giving prescription to a patient, his allergies to the medicine must be checked.

(B) Before preparing the soil for carbon sequestration, its potential should be checked.

(C) Like a farmer in agricultural field, doctor is required to check the patient.

(D) All soils cannot accumulate particulate organic matter with great efficiency.

Question ID : 54062617212

on:

Read the following information carefully and answer the given questions.

Scientists have found that soil can store as much as “4 per mille” and TerraNova aim to sequester huge amounts of carbon in the soil. The U.S. Farm Bill includes the first-ever incentives for farmers to adopt practices that improve soil health and sequestering carbon. But these initiatives are missing a key element: not all soil carbon is the same. Different types of soil carbon have different lifetimes of particulate organic matter and mineral-associated organic matter. These differences have important implications for these efforts. For example, adding low-quality crop residues to agricultural fields would likely create more particulate organic matter than mineral-associated organic matter. This could increase soil carbon in the short term – but if the soil is disturbed by tilling, a lot of it would decompose and the benefit would be reduced. The best practices focus on building up the mineral-associated organic matter for long-term carbon storage, while also producing high-quality particulate organic matter through the use of nitrogen to help boost crop productivity. Studies of various soils show us that providing continuous and diverse plant inputs that reach all layers of soil is key for achieving both high mineral-associated organic matter storage and high particulate organic matter recycling. There are many promising ways to do this, such as using cover crops year-round; growing diverse crops that include high-nitrogen legumes and perennials with deep roots; and minimizing tillage. Not all soils can accumulate both mineral-associated organic matter and particulate organic matter. Before implementing any management practices for carbon sequestration, farmers should first assess the carbon storage potential of the local soil, much as a doctor would consult with a patient before prescribing a cure. Sequestering soil carbon effectively requires a deep understanding of how particulate organic matter and mineral-associated organic matter differ, how human actions affect them, and how to build up both types to meet our goals for climate and food security needs.

No : 18

Q1. State the central idea of the given passage?

A. To show the importance of sequestering soil carbon.

B. To study various aspects of soil carbon.

C. To suggest soil carbon for climate change and food security.

D. To discuss the best practices to enhance the quality of soil.

Question ID : 54062617209

on:

Using information carefully and answer the given questions.

has “4 per mille” and Terraton aim to sequester huge amounts of carbon in the U.S. Farm Bill includes the first-ever incentives for farmers to adopt practices improving soil health and sequestering carbon. But these initiatives are missing a key element: all soil carbon is not the same.

Recent lifetimes of particulate organic matter and mineral-associated organic matter have important implications for these efforts. For example, adding low-quality crop residues to agricultural fields would likely create more particulate organic matter than mineral-associated organic matter. This could increase soil carbon in the short term – but if the soil is disturbed by tilling, a lot of it would decompose and the benefit would be reduced. The best practices focus on building up the mineral-associated organic matter for long-term carbon storage, while also producing high-quality particulate organic matter through inputs of nitrogen to help boost crop productivity.

Recent studies show us that providing continuous and diverse plant inputs that reach all layers of soil is key for achieving both high mineral-associated organic matter storage and high particulate organic matter recycling. There are many promising ways to do this, such as planting cover crops year-round; growing diverse crops that include high-nitrogen legumes and perennials with deep roots; and minimizing tillage.

Not all soils can accumulate both mineral-associated organic matter and particulate organic matter. Before implementing any management practices for carbon sequestration, farmers should first assess the carbon storage potential of the local soil, much as a doctor would be a patient before prescribing a cure. Sequestering soil carbon effectively requires a deep understanding of how particulate organic matter and mineral-associated organic matter differ, how human actions affect them, and how to build up both types to meet our climate and food security needs.

No : 19

Question: Which of the following is NOT a benefit of adding low-quality crop residues to agricultural fields?

- (A) It helps the soil to sequester more carbon in the atmosphere.
- (B) It creates more particulate organic matter than mineral-based organic matter in the soil.
- (C) It creates more mineral-associated organic matter than particulate organic matter in the soil.
- (D) It helps high-diversity crops to grow better.

Question ID : 54062617210

on:

Using information carefully and answer the given questions.

As a “4 per mille” and Terraton aim to sequester huge amounts of carbon in the U.S. Farm Bill includes the first-ever incentives for farmers to adopt practices improving soil health and sequestering carbon. But these initiatives are missing a key element: all soil carbon is the same. Different lifetimes of particulate organic matter and mineral-associated organic matter have important implications for these efforts. For example, adding low-quality crop residue to agricultural fields would likely create more particulate organic matter than mineral-associated organic matter. This could increase soil carbon in the short term – but if the soil is disturbed by tilling, a lot of it would decompose and the benefit would be negated. The best practices focus on building up the mineral-associated organic matter for long-term carbon storage, while also producing high-quality particulate organic matter through inputs of nitrogen to help boost crop productivity. Healthy soils show us that providing continuous and diverse plant inputs that reach all layers of soil is key for achieving both high mineral-associated organic matter storage and efficient organic matter recycling. There are many promising ways to do this, such as planting cover on fields year-round; growing diverse crops that include high-nitrogen legumes and perennials with deep roots; and minimizing tillage. Not all soils can accumulate both mineral-associated organic matter and particulate organic matter. Before implementing any management practices for carbon sequestration, farmers should first assess the carbon storage potential of the local soil, much as a doctor would consult a patient before prescribing a cure. Sequestering soil carbon effectively requires a deep understanding of how particulate organic matter and mineral-associated organic matter behave, how human actions affect them, and how to build up both types to meet our climate and food security needs.

No : 20

Antonym of the word 'boost'?

Boost

Reduce

Decrease

Increase

Question ID : 54062617211

Which of the following statement(s) is/are correct?

I. A wide area network is a collection of Local area network  
 II. A wide area network support both data and voices transmission

II

I

I and II

Neither I nor II

Question ID : 54062617233

1 second = \_\_\_\_\_

10<sup>2</sup> seconds

perchanges will happen when the sequence of letters of "SORTED" is sorted sort?

Question ID : 54062617229

ements is correct regarding main () function in C++?

efined function.  
efined function.

er I nor II

II

I and II

I

Question ID : 54062617226

property a computer can work for hours without creating any error and without

ence

Q

ad

atility

Question ID : 54062617218

function in C is used to read string from system console?

har ()

he ()

()

s ()

Question ID : 54062617227

stput of the following code written in C?

```
printf("%d",62,062,0x62);
```

98

50

following statement is/are correct?

- I and II
- neither I nor II
- II
- I

Question ID : 54062617220

following New-order strategy for traversing a binary tree.

Left subtree of node using new-order  
Right subtree of node using new-order  
Node.

Pre-order traversal of the given tree?

- C, D, E, F, G, H, I, J, K
- I, H, G, F, E, D, C, B, A
- C, D, K, J, I, H, G, F, E
- C, A, G, F, H, E, I, J, K

Question ID : 54062617230

following segment of C++ code.

Number of comparisons made in the execution of the loop for any  $n > 0$ ?

- $(n + 1)$
- $n + 1$
- $(n + 1)/2$

Question ID : 54062617231

Maximum running time of binary search algorithm, when  $n = 12,000$ ?

Question ID : 54062617224

(A + iB), then what is the value of  $x^2 + y^2 + 2x \cot 2A - 2?$

Question ID : 54062617216

orst case time complexity of bubble sort?

)

32x)

92x)

Question ID : 54062617225

ntrolled electronic switch fabricated using a semiconductor.

istor

l-disk

itor

ler

Question ID : 54062617222

ollowing statement is/are correct?

four digit number in base 7 is 7777.  
st four digit number in base 8 is 1111.

I

II

I and II

er I nor II

Question ID : 54062617221

Question ID : 54062617215

for management, maintenance and retrieval of the data stored in the

essing Software

em Software

ating System

base Management System

Question ID : 54062617232

imum value of function  $y = x^2$  in the interval  $[1, 6]$ ?

Question ID : 54062617214

ystem software package that converts a high level language program to  
uage.

or

ogger

lator

piler

Question ID : 54062617223

o just lends his name to the partnership firm is known as a \_\_\_\_\_.

eral Partner

ted Partner

inal Partner

oping Partner

Question ID : 54062617217

the attributes in a database describe a particular \_\_\_\_\_.

y

e

l

OR gates are used to get AND gate form them?

Question ID : 54062617242

Following is a type of transmission mode?

- de
- ix mode
- ide
- nd III
- I III
- d III
- I II

Question ID : 54062617236

three variable logic function using the following K-Map.

n(0, 2, 5, 7)

Question ID : 54062617244

\_\_\_\_\_ law, the force between two charges is directly proportional to the  
squares of the charges.

- omb's
- loff's
- i's
- ss's

Question ID : 54062617240

Using has 4 railway tracks. If a train comes on atleast 1 of the tracks, the  
gate has to be closed. Which gate can be used to implement this?

- D

Following is an advantage of use of multiplexers?

n is simplified  
IC package count  
Reduction of logic expression is not required

III

III

II

III

Question ID : 54062617246

Input data directly into a computer system by speaking to it is known as

Speaker recognition

Speaker identification

Speech recognition

Speech enhancement

Question ID : 54062617239

Following expression.

B + C

Question ID : 54062617247

Following is NOT a Structured Query Language Data type?

BINARY

E

L

BINARY STAMP

Question ID : 54062617253

When frequently added to or deleted from a file, the volatility of the file is \_\_\_\_.

Moderate

Following statement is/are correct regarding sequential file organization?

I. In direct access file organization, only the record to be read for new record insertion and record deletion  
II. In indexed sequential file organization, half of the records in the file must be processed to find the location of a

I

I and II

Neither I nor II

II

Question ID : 54062617250

In a peer-to-peer computer network, there is no host computer for controlling other computers and all computers are equal.

Question ID : 54062617238

Which of the following is not a form of DASD in database management system?

I. Direct Access Storage Device

II. Sequential Access Storage Device

III. Random Access Storage Device

IV. Indexed Access Storage Device

Question ID : 54062617249

Which of the following devices combines a large number of low speed transmission lines into a high speed transmission line?

I. Multiplexer

II. Demultiplexer

III. Router

IV. Demultiplexer

Question ID : 54062617234

Which of the following pair is/are correct?

I. Monostable multivibrator – Flip Flop

II. Astable multivibrator – Free running

Neither I nor II

I and II

Following Boolean Expression?

3

Question ID : 54062617241

Following is a type of network topology?

Star  
Ring

Bus

Mesh

Tree

Hybrid

Question ID : 54062617235

Which of the following is an impact printer?

Dot matrix printer

Thermal printer

Dot matrix printer

Dot matrix printer

Question ID : 54062617237

Which of the following is not a key attribute of information?

Reliability

Accuracy

Security

Availability

Question ID : 54062617248

el, software is developed in a series of incremental releases.

ner I nor II

II

I

I and II

Question ID : 54062617264

er translates source code into \_\_\_\_\_.

language code

mbly code

obolic code

code

Question ID : 54062617268

partition of size 80k is allocated to a process of size 60k then the 20k of the  
asted and cannot be allocated to any process. It is called \_\_\_\_\_.

ernal fragmentation

it fit

fit

nal fragmentation

Question ID : 54062617273

placement algorithm has Belady's anomaly?

page replacement

it recent used page replacement

nal page replacement

recently used page replacement

Question ID : 54062617271

ment(s) is/are correct regarding the Boolean algebra?

the analysis and design of digital circuits.

in algebraic form the input-output relationship of logic diagram.

I

I and II

ner I nor II

are said to be common coupled in software design if \_\_\_\_.

communicate through an elementary data item

communicate via a composite data

share same global data areas

share their code

Question ID : 54062617266

valent of the following Boolean expression?

Question ID : 54062617256

following is/are correct regarding accounting process?

is a charge against profit  
an appropriation of profit

ner I nor II

I and II

I

II

Question ID : 54062617260

her name of White-box testing?

s-box testing

r-box testing

box testing

e-box testing

Question ID : 54062617262

a memory wastage within the memory partition itself then it known as \_\_\_\_.

nal fragmentation

paction

dy's Anomaly

rnal fragmentation

Following statement(s) is/are correct regarding software project management?

I can be derived automatically from Gantt charts.  
II cannot be derived automatically from PERT charts.

- I
- Neither I nor II
- I and II
- II

Question ID : 54062617267

A \_\_\_\_\_ function can be defined as a function passed into another function as

- front
- back
- front
- back

Question ID : 54062617258

Which form of SQA in software engineering?

- Software Quality Activity
- System Quality Assurance
- Software Quality Assurance
- Process Quality Activity

Question ID : 54062617263

Output of the given java code?

Question ID : 54062617270

The relationship of the binary variable for each gate can be represented in  
by a \_\_\_\_\_.

- Karnaugh table
- Truth table
- Characteristic table
- Decision table

following is/are correct?

I. All accounts are balanced and carried forward to the next accounting period.  
II. Only temporary accounts are closed at the end of the accounting period.

Neither I nor II

II

I and II

I

Question ID : 54062617261

Which of the following statement(s) is/are correct regarding java programming?

I. Semicolon immediately after a method header  
II. Method outside the braces of a class definition

Neither I nor II

I

I and II

II

Question ID : 54062617269

Which of the following is/are in ASP.NET?

I. Asynchronous java script and XML

II. Synchronous java script and HTML

III. Asynchronous java script and HTML

IV. Synchronous java script and XML

Question ID : 54062617259

Which of the following software is said to be logically cohesive if \_\_\_\_\_.

I. All elements of the module perform similar operations like error handling, data

II. A set of functions of the module are all part of a procedure

III. Different elements of the module cooperate to achieve a single function for example employee's pay roll

IV. All elements of the module performs different operations alternatively

Question ID : 54062617265

Which of the following symbol represent the NOR gate?

I

I and II

Which page fault occurs is known as \_\_\_\_\_.

Replacement

Sharing

Swapping

Swapping

Question ID : 54062617275

Following effects of the price change can influence the consumer's optimal

I. Increase in the relative price of a good.

II. Decrease in the purchasing power of a consumer.

III. Reduction in the minimum support price of a commodity.

I and II

II and III

I and III

I

Question ID : 54062617280

Following is a type of information system?

Real-time Processing System

Batch-time Processing System

Distributed Processing System

Transaction Processing System

Question ID : 54062617291

Percentage of deposits which a bank must keep in the form of cash with the RBI is

1. Market Operations

1. Reserve Ratio

1. Liquidity Adjustment Facility

1. Statutory Liquidity Ratio

Question ID : 54062617278

Following statement(s) is/are correct regarding the strategies required to increase the visibility of e-commerce website?

- I. The name should be sensible that it can be guessed.
- II. Contents like special offers or eye catching information for the regular increase traffic on the website.
- III. Social networks on the website have no major influence on e-visibility.

I III

II III

I II

I II

Question ID : 54062617286

Following is not used to calculate Hash functions?

Singing method

Regular method

Singing

Singing method

Question ID : 54062617289

Process of lifting the process from memory and placing it on disk.

Paging in

Paging

Paging

Paging out

Question ID : 54062617276

Following is not a operating system for mobile computing?

Android OS

iOS

Windows OS

Windows Mobile

Question ID : 54062617293

Which statement is/are true about the OSI model?

- I. Layers 3 are end-to-end
- II. Layers 7 are chained

I

II

Following business models fall into the category of 'Native Internet Business'

I and II

I

II

Neither I nor II

I and II

Question ID : 54062617285

Following statement(s) is/are correct regarding about the undirected graph?

I. Sum of all degree vertices is even.  
II. Sum of degrees of all vertices is even.

Neither I nor II

II

I

I and II

Question ID : 54062617288

Which OSI model is responsible for the dialogue control and token management?

Network layer

Transport layer

Session layer

Physical layer

Question ID : 54062617281

Which network layer is responsible for \_\_\_\_\_.

Flow management

congestion control

Reliable transmission

Routing

Question ID : 54062617282

A main memory with the capacity of 4 page frames which are initially empty. If the reference string is 1, 3, 4, 4, 3, 2, 1, 7, 5, 6 then what is the number of page fault using replacement algorithm?

Following characteristic(s) of expert systems is/are correct?

- I. Direction of interaction is from machine to the user.
- II. Domain of knowledge is narrow.
- III. Solution is produced by analysis of operational and external data.

None of III

I and III

I and II

II

Question ID : 54062617292

Which statement(s) is/are correct regarding node N deletion in binary search tree?

- I. If node N has no children then just replace location of N in the parent node by the null.
- II. If node N has one child then just replace it by that child.
- III. If node N has two children, then replace it by preorder successor.

None of I nor II

I and II

I

II

Question ID : 54062617290

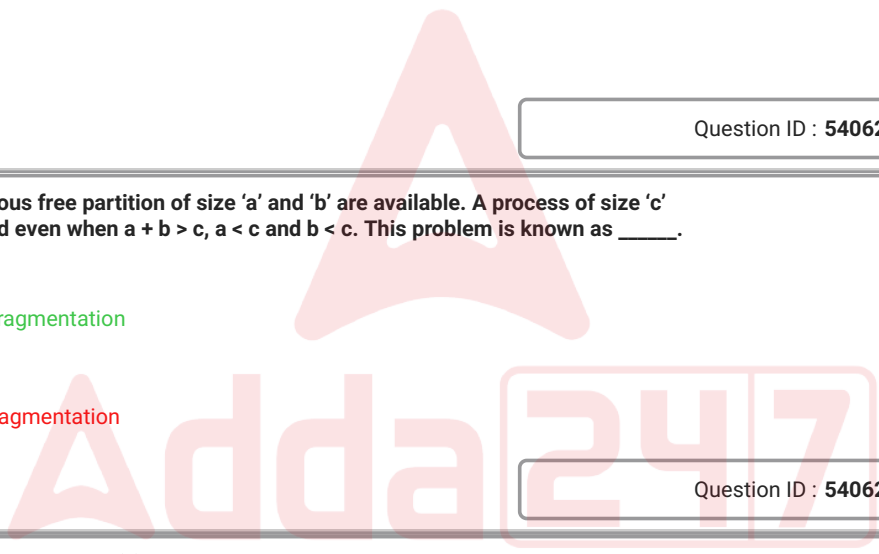
When two continuous free partition of size 'a' and 'b' are available. A process of size 'c' is scheduled even when  $a + b > c$ ,  $a < c$  and  $b < c$ . This problem is known as \_\_\_\_\_.

Best fit

First fit

Best fit

First fit



Question ID : 54062617274

Which of the following method(s) is/are used to measure the aggregate value of goods and services produced in an economy?

- I. Direct method
- II. Indirect method
- III. Both I and II

I and III

None of III

III

I and II

Question ID : 54062617279

Which statement is correct regarding binary search tree?

I. The value of every node N is less than every value in the left subtree of node N.  
II. The value of every node N is greater than or equal to every value in the right subtree of N.

- I
- Neither I nor II
- I and II
- II

Question ID : 54062617287

The OSI model is \_\_\_\_\_.

- Transport layer
- Presentation layer
- Session layer
- Network layer

Question ID : 54062617284

How many different levels of heading does HTML support?

Question ID : 54062617295

If  $f(5) = 6$ , then what is the value of  $f(3)$  using Lagrange's interpolation?

Question ID : 54062617303

Steps involved in top-down design programming?

1. problem  
2. resequence  
3. main module  
4. re modules in proper order  
5. remaining modules

I → V → IV → II

II → V → IV → II

III → I → IV → II

IV → V → III → I

Question ID : 54062617300

Symbol in flowchart is used for representing start and end?

Question ID : 54062617299

Standard deviation of Poisson distribution, then what is the standard deviation?

Question ID : 54062617301

A mathematics problem is given to three students P, Q and R whose chances of solving it are 1/5, 1/4 and 1/3 respectively. What is the probability that the problem will be solved?

Question ID : 54062617302

Which tag is used to embed Java Script scripts in a page?

following methods can be used to organise notes for interpreting an

devices

ner I nor II

I

I and II

II

Question ID : 54062617298

rocess of identifying, organizing, storing and disseminating information within  
on.

nowledge management

agement information system

ian resource management

ncial management

Question ID : 54062617297

1 number of points that can be displayed without overlap on a CRT is referred

sporescence

lution

istence

ect ratio

Question ID : 54062617294

following is/are the indicator(s) of empowered women?

n in social change  
on in developmental process

I

ner I nor II

I and II

II

Question ID : 54062617313

Key process of teacher-centered approach.

I  
From memory

I

I and II

Neither I nor II

II

Question ID : 54062617304

Following statement(s) is/are NOT correct?

I. Sanskrit was the standard language of Brahmanic society.  
II. Persian was the standard language of Iranians.

Neither I nor II

II

I

I and II

Question ID : 54062617309

At the tertiary level, how awareness of regional arts and crafts help?

I. To preserve and promote traditional and contemporary art and art pieces.  
II. To educate the children about the pluralistic cultural legacy of India – awareness of local

Neither I nor II

I

II

I and II

Question ID : 54062617311

A noun can have \_\_\_\_\_ forms in principle.

Question ID : 54062617308

type of assessment.

assessment  
assessment

er I nor II

II

I

I and II

Question ID : 54062617307

ious factors on which our choice of words, our selection of sentences are  
dent. Which of the following are those factors?

where we speak

I II

d III

nd III

I III

Question ID : 54062617310

mination can be \_\_\_\_\_.

I

II

I and II

er I nor II

Question ID : 54062617312

ल्प में, आपको यह अहसास करना होगा कि अधिगम के आकलन का पूरा दायित्व और उसका  
र होता है। निम्नलिखित में से वह/वे कौन सा/से पहलू है/हैं जिस पर आपका ध्यान आवश्यक

निर्णय लेने के लिए पर्याप्त मात्रा में प्रमाण एकत्र करने चाहिए।  
पूरा करने में कुछ विद्यार्थियों के सामने आयी चुनौतियों के बारे में संवेदनशील होने की  
ति।

I ना ही II

I

II दोनों

II

Test

Prime

By Adda247

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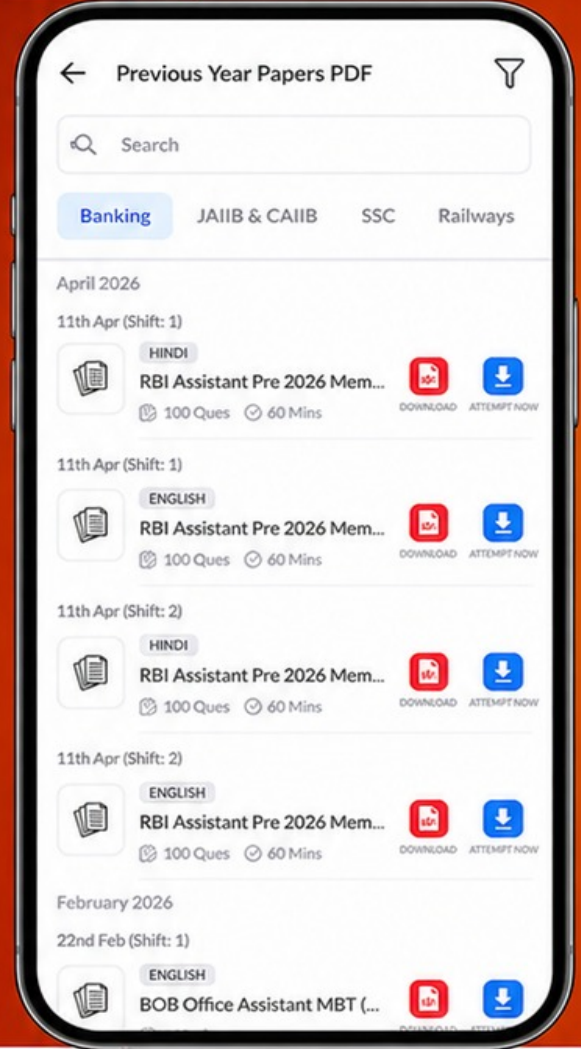
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Bihar



UP



Punjab



WB



Odisha



TN



AP & Telangana



Haryana



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से कोन सा/से कथन सही नहीं है/हैं?

मल्टी स्तर वाली स्थितियों में, शिक्षण अधिगम सामग्री शिक्षक को कक्षा के प्रभावी प्रबंधन करने  
मयता प्रदान करती है।

म सामग्री प्रभावशाली स्व-अधिगम के लिए आवश्यक होती है।

I

II

II दोनों

I ना ही II

Question ID : 54062617305

