

OAVS TGT

**Previous Year Paper
(Mathematics)**

10 Jun, 2024 Shift 1



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ODISHA ADARSHA VIDYALAYA SANGATHAN
(Under School & Mass Education Department, Government of Odisha.)



Participant ID	
Participant Name	
Test Center Name	
Test Date	10/06/2024
Test Time	9:00 AM - 12:20 PM
Subject	TGT Mathematics OAVS
Marks Obtained	

Section : Language Proficiency Test-General English

Q.1 Select the option that expresses the given sentence in passive voice.
Both parties had reached a consensus finally.

- Ans
- ✓ 1. A consensus had been reached finally by both parties.
 - ✗ 2. A consensus has reached by both parties finally.
 - ✗ 3. A consensus has been reached by both parties finally.
 - ✗ 4. A consensus had reached by both parties finally.

Question Type : MCQ
Question ID : 630680182405
Option 1 ID : 630680706808
Option 2 ID : 630680706809
Option 3 ID : 630680706807
Option 4 ID : 630680706806
Status : Answered
Chosen Option : 1
Marks : 1

Q.2 Which of the following sentences is correctly expressed in indirect speech?

- Ans
- ✗ 1. Aastha said that she will meet him the day after.
 - ✓ 2. Aastha said that she would meet him the day after.
 - ✗ 3. Aastha said that she should meet him tomorrow.
 - ✗ 4. Aastha said that she meets him the day after.

Question Type : MCQ
Question ID : 630680818989
Option 1 ID : 6306803208129
Option 2 ID : 6306803208128
Option 3 ID : 6306803208130
Option 4 ID : 6306803208131
Status : Answered
Chosen Option : 3
Marks : -0.25

Q.3 Select the most appropriate form of adjective to fill in the blank.
I have never met _____man than Raghav.

- Ans
- ☒ 1. an economical
 - ☒ 2. a more economical
 - ☒ 3. the most economical
 - ☒ 4. most economical

Question Type : MCQ
Question ID : 63068083212
Option 1 ID : 630680322708
Option 2 ID : 630680322709
Option 3 ID : 630680322710
Option 4 ID : 630680322711
Status : Answered
Chosen Option : 2
Marks : 1

Q.4 Select the option that expresses the given sentence in reported speech.
She said, "Please turn off the lights and close the door."

- Ans
- ☒ 1. She requested them, "Turn off the lights and close the door."
 - ☒ 2. She requested them to please turn off the lights and close the door.
 - ☒ 3. She has been requesting to turn off the lights and close the door.
 - ☒ 4. She requested them to turn off the lights and close the door.

Question Type : MCQ
Question ID : 630680514399
Option 1 ID : 6306802010223
Option 2 ID : 6306802010222
Option 3 ID : 6306802010224
Option 4 ID : 6306802010221
Status : Answered
Chosen Option : 4
Marks : 1

Q.5 Select the most appropriate meaning of the underlined idiom in the given sentence.
Not only is he a great leader, he also has the gift of the gab.

- Ans
- ☒ 1. Talent of speaking
 - ☒ 2. Talent of dancing
 - ☒ 3. Talent of dressing up
 - ☒ 4. Talent of singing

Question Type : MCQ
Question ID : 630680295204
Option 1 ID : 6306801148542
Option 2 ID : 6306801148543
Option 3 ID : 6306801148540
Option 4 ID : 6306801148541
Status : Not Answered
Chosen Option : --
Marks : 0

Q.6 Select the option that will improve the underlined part of the given sentence.

Ravi is tired of being a wheel in the cog in such a big organisation and so he has decided to resign and join a smaller company where his job will be recognised better.

- Ans
- ✓ 1. a cog in the wheel
 - ✗ 2. a joint in the wheel
 - ✗ 3. a tooth in the gear wheel
 - ✗ 4. the rim of the wheel

Question Type : MCQ
Question ID : 63068064358
Option 1 ID : 630680248421
Option 2 ID : 630680248420
Option 3 ID : 630680248419
Option 4 ID : 630680248418
Status : Not Answered
Chosen Option : --
Marks : 0

Q.7 Sentences of a paragraph are given below. While the first sentence (S1) is in the correct order, the sentences below it are jumbled up. Arrange the sentences in the correct order to form a meaningful and coherent paragraph.

- S1. Cultural change is the way in which societies change their patterns of culture.
A. Which, in turn, can transform the nature of food consumption and quality of life.
B. This is an instance of how internal causes can bring changes to a culture.
C. New methods of farming or agriculture can boost agricultural production.
D. The impetus for change can be internal or external.

- Ans
- ✗ 1. ABCD
 - ✓ 2. DCAB
 - ✗ 3. CADB
 - ✗ 4. BACD

Question Type : MCQ
Question ID : 630680116062
Option 1 ID : 630680449580
Option 2 ID : 630680449581
Option 3 ID : 630680449579
Option 4 ID : 630680449578
Status : Answered
Chosen Option : 4
Marks : -0.25

Q.8 Select the option that expresses the given sentence in indirect speech.
The man said to me, "Please be on time".

- Ans
- ✗ 1. The man said to me that "to be on time".
 - ✓ 2. The man requested me to be on time.
 - ✗ 3. The man ordered me that I have to be on time.
 - ✗ 4. The man exclaimed me "be on time".

Question Type : MCQ
Question ID : 630680156662
Option 1 ID : 630680606304
Option 2 ID : 630680606305
Option 3 ID : 630680606306
Option 4 ID : 630680606307
Status : Answered
Chosen Option : 2
Marks : 1

Q.9 Sentences of a paragraph are given below in jumbled order. Select the most logical sequence of sentences from the options provided to construct a cohesive paragraph.

- a. Garbage is a significant environmental hazard.
- b. The majority of trash comprises recyclable and reusable materials, such as paper, metals, and glass, which can be transported to the local recycling centre or disposed of by the junk dealer.
- c. Garbage tends to make the premises look unsightly and unclean, and it breeds infections.
- d. It can be found in a wide range of materials, from worn paper and tiffin packaging to plastic bags and ice cream wrappers to bottle caps and even fallen leaves.

- Ans
- ☒ 1. d, c, b, a
 - ☒ 2. a, c, b, d
 - ☒ 3. a, d, c, b
 - ☒ 4. c, d, a, b

Question Type : MCQ
Question ID : 630680171738
Option 1 ID : 630680665399
Option 2 ID : 630680665401
Option 3 ID : 630680665402
Option 4 ID : 630680665400
Status : Answered
Chosen Option : 2
Marks : -0.25

Q.10 Select the most appropriate option to fill in the blank.
Ravee took the accident victims to the _____ hospital.

- Ans
- ☒ 1. nearest
 - ☒ 2. near
 - ☒ 3. next
 - ☒ 4. nearer

Question Type : MCQ
Question ID : 630680166164
Option 1 ID : 630680643631
Option 2 ID : 630680643628
Option 3 ID : 630680643629
Option 4 ID : 630680643630
Status : Answered
Chosen Option : 1
Marks : 1

Q.11 Select the most appropriate option to fill in the blanks.
_____ works of Shakespeare are _____ crowning glory of the English drama.

- Ans
- ☒ 1. A; the
 - ☒ 2. The; a
 - ☒ 3. The; the
 - ☒ 4. An; the

Question Type : MCQ
Question ID : 630680252902
Option 1 ID : 630680981587
Option 2 ID : 630680981590
Option 3 ID : 630680981589
Option 4 ID : 630680981588
Status : Answered
Chosen Option : 3
Marks : 1

Q.12 Select the option that will improve the underlined part of the given sentence.

Sandeep was talking about a lot of things in the meeting, but we could not understand what point he was trying to make. He was just going round off the circles.

- Ans ☒ 1. going around in circles
☒ 2. going behind others in circles
☒ 3. going from one circle to another
☒ 4. running around the room in circles

Question Type : MCQ
 Question ID : 63068064355
 Option 1 ID : 630680248409
 Option 2 ID : 630680248408
 Option 3 ID : 630680248406
 Option 4 ID : 630680248407
 Status : Not Answered
 Chosen Option : --
 Marks : 0

Q.13 Select the most appropriate meaning of the underlined idiom in the given sentence.
 These two statements do not hang together.

- Ans ☒ 1. Are not consistent with each other
☒ 2. Cannot be hung in the same line
☒ 3. Are opposites
☒ 4. Are not same

Question Type : MCQ
 Question ID : 630680295203
 Option 1 ID : 6306801148538
 Option 2 ID : 6306801148536
 Option 3 ID : 6306801148539
 Option 4 ID : 6306801148537
 Status : Answered
 Chosen Option : 1
 Marks : 1

Q.14 Select the option that expresses the given sentence in passive voice.

Mohan Sir teaches us French.

- Ans ☒ 1. French is taught to us by Mohan Sir.
☒ 2. Mohan Sir had been taught French by us.
☒ 3. We had taught French by Mohan Sir.
☒ 4. French was taught us by Mohan Sir.

Question Type : MCQ
 Question ID : 630680716652
 Option 1 ID : 6306802808218
 Option 2 ID : 6306802808220
 Option 3 ID : 6306802808219
 Option 4 ID : 6306802808217
 Status : Answered
 Chosen Option : 1
 Marks : 1

Q.15 Select the most appropriate option to fill in the blank.
This shop has _____ very costly laptops.

- Ans
- ☒ 1. a little
 - ☒ 2. lesser
 - ☒ 3. fewer
 - ☒ 4. a few

Question Type : MCQ
Question ID : 630680175865
Option 1 ID : 630680681724
Option 2 ID : 630680681727
Option 3 ID : 630680681725
Option 4 ID : 630680681726
Status : Answered
Chosen Option : 4
Marks : 1

Q.16 Sentences of a paragraph are given below. While the first sentence (S1) is in the correct order, the sentences below it are jumbled up. Arrange the sentences in the correct order to form a meaningful and coherent paragraph.

- S1. Modern societies are characterised by achievements.
A. Its members are accorded prestige on the basis of their achievements.
B. However, even in modern achievement-based societies, ascribed status matters.
C. How often you would have heard the phrase "you have to prove yourself".
D. In traditional societies your status was defined and ascribed at birth.

- Ans
- ☒ 1. DBAC
 - ☒ 2. CBDA
 - ☒ 3. ACDB
 - ☒ 4. CDBA

Question Type : MCQ
Question ID : 630680116061
Option 1 ID : 630680449576
Option 2 ID : 630680449575
Option 3 ID : 630680449577
Option 4 ID : 630680449574
Status : Not Answered
Chosen Option : --
Marks : 0

Q.17 Complete the dialogue for Person B.

Person A: Hey, do you know that person in blue?

Person B: Yeah. He has worked as _____ teacher.

- Ans
- ☒ 1. UNESCO
 - ☒ 2. a UNESCO
 - ☒ 3. the UNESCO
 - ☒ 4. an UNESCO

Question Type : MCQ
Question ID : 630680333125
Option 1 ID : 6306801295776
Option 2 ID : 6306801295775
Option 3 ID : 6306801295773
Option 4 ID : 6306801295774
Status : Answered
Chosen Option : 4
Marks : -0.25

Q.18 Sentences of a paragraph are given below. While the first and the last sentences (S1 and S6) are in the correct order, the sentences in between are jumbled up. Arrange the sentences in the correct order to form a meaningful and coherent paragraph.

S1. General stores are most commonly found in a local market and residential areas.

- A. The biggest advantage of such stores is in terms of convenience to the customers in buying products of daily use such as grocery items, soft drinks and confectionery.
- B. Such stores remain open for long hours at convenient timings and often provide credit facilities to some of their regular customers.
- C. As the name indicates, these shops carry stock of a variety of products required to satisfy the day-to-day needs of the consumers residing in nearby localities.
- D. Most of their customers are residents of the same locality.

S6. Hence, an important factor contributing to their success is the image of the owner and the rapport he has established with them.

- Ans
- ☒ 1. ABCD
 - ☒ 2. BDAC
 - ☒ 3. DACB
 - ☒ 4. CBAD

Question Type : MCQ
Question ID : 630680537513
Option 1 ID : 6306802101318
Option 2 ID : 6306802101319
Option 3 ID : 6306802101317
Option 4 ID : 6306802101316
Status : Not Answered
Chosen Option : --
Marks : 0

Q.19 Select the most appropriate ANTONYM of the underlined word.

Even though land is a mortgageable asset, it is an emotive, political issue and hence recovery will prove to be difficult in case of non-performance.

- Ans
- ☒ 1. Retrieval
 - ☒ 2. Relapse
 - ☒ 3. Salvageability
 - ☒ 4. Regaining

Question Type : MCQ
Question ID : 630680134195
Option 1 ID : 630680519659
Option 2 ID : 630680519660
Option 3 ID : 630680519658
Option 4 ID : 630680519661
Status : Not Answered
Chosen Option : --
Marks : 0

Q.20 Select the most appropriate meaning of the underlined idiom.
I see you know a thing or two about planes.

- Ans
- ☒ 1. Be wise or cunning
 - ☒ 2. Be very honest
 - ☒ 3. To know something
 - ☒ 4. To know nothing

Question Type : MCQ
Question ID : 630680300698
Option 1 ID : 6306801169609
Option 2 ID : 6306801169610
Option 3 ID : 6306801169607
Option 4 ID : 6306801169608
Status : Answered
Chosen Option : 3
Marks : 1

Section : Language Proficiency Test-Odia

Q.21 ୧୯୩୬ରେ _____ ପ୍ରଦେଶ ଭାଷାଭିତ୍ତିକ ରାଜ୍ୟଭାବେ ଗଠିତ ହୋଇଥିଲା ।

- Ans
- ☒ 1. କର୍ଣ୍ଣାଟକ
 - ☒ 2. ଓଡ଼ିଶା
 - ☒ 3. ଆନ୍ଧ୍ର
 - ☒ 4. ବିହାର

Question Type : MCQ
Question ID : 630680819198
Option 1 ID : 6306803208963
Option 2 ID : 6306803208962
Option 3 ID : 6306803208960
Option 4 ID : 6306803208961
Status : Answered
Chosen Option : 2
Marks : 1

Q.22 ଓଡ଼ିଆ ଭାଷା _____ ଭାଷା ପରିବାର ଅନ୍ତର୍ଗତ ।

- Ans
- ☒ 1. ବାଲୁ
 - ☒ 2. ଆର୍ଯ୍ୟ
 - ☒ 3. ଅସ୍ଥିକ
 - ☒ 4. ଦ୍ରାବିଡ଼

Question Type : MCQ
Question ID : 630680819197
Option 1 ID : 6306803208959
Option 2 ID : 6306803208957
Option 3 ID : 6306803208958
Option 4 ID : 6306803208956
Status : Answered
Chosen Option : 2
Marks : 1

Q.23 ନିମ୍ନଲିଖିତ ଶବ୍ଦ ମଧ୍ୟରୁ କେଉଁଟି ଠିକ ଶବ୍ଦ ?

- Ans
- ☐ 1. ଯାତାୟତ
 - ☒ 2. ଯାତାୟାତ
 - ☐ 3. ଜାତାୟାତ
 - ☐ 4. ଜାତାୟତ

Question Type : MCQ

Question ID : 630680819222

Option 1 ID : 6306803209057

Option 2 ID : 6306803209056

Option 3 ID : 6306803209058

Option 4 ID : 6306803209059

Status : Answered

Chosen Option : 1

Marks : -0.25

Q.24 “ମୋଘ”ର ପ୍ରତିଶବ୍ଦ ଲେଖ ।

- Ans
- ☐ 1. ଆଶ୍ଚର୍ୟ
 - ☐ 2. ସାରସ
 - ☐ 3. ନୀର
 - ☒ 4. ମୁଦିର

Question Type : MCQ

Question ID : 630680819241

Option 1 ID : 6306803209135

Option 2 ID : 6306803209132

Option 3 ID : 6306803209134

Option 4 ID : 6306803209133

Status : Not Answered

Chosen Option : --

Marks : 0

Q.25 ନିମ୍ନଲିଖିତ ବାକ୍ୟ ମଧ୍ୟରୁ କେଉଁ ବାକ୍ୟଟି ଭୁଲ ?

- Ans
- ☐ 1. ମୁଁ ତାକୁ ଦେଖିଲେ ଡାକିବି ।
 - ☐ 2. ମୁଁ ତାକୁ ଯେତେବେଳେ ଦେଖିବି ସେତେବେଳେ ଡାକିଦେବି ।
 - ☒ 3. ମୁଁ ତାକୁ ଦେଖୁଛି ଡାକିବି ।
 - ☐ 4. ମୁଁ ତାକୁ ଦେଖୁନି ।

Question Type : MCQ

Question ID : 630680819237

Option 1 ID : 6306803209116

Option 2 ID : 6306803209118

Option 3 ID : 6306803209117

Option 4 ID : 6306803209119

Status : Answered

Chosen Option : 3

Marks : 1

Q.26 ନିମ୍ନଲିଖିତ ବାକ୍ୟ ମଧ୍ୟରୁ କେଉଁ ବାକ୍ୟଟି ଭୁଲ ?

- Ans
- ☒ 1. ଦିଲ୍ଲୀ ପାଠ ପଢ଼ୁଛି ।
 - ☒ 2. ଭଲ ଖେଳୁଛି ଦିଲ୍ଲୀ, ପଢ଼ୁନି କିନ୍ତୁ ।
 - ☒ 3. ଦିଲ୍ଲୀ ଭଲ ପାଠ ପଢ଼େ ।
 - ☒ 4. ଦିଲ୍ଲୀ ଭଲ ଖେଳୁଛି, କିନ୍ତୁ ପଢ଼ୁନି ।

Question Type : MCQ

Question ID : 630680819235

Option 1 ID : 6306803209109

Option 2 ID : 6306803209110

Option 3 ID : 6306803209111

Option 4 ID : 6306803209108

Status : Answered

Chosen Option : 2

Marks : 1

Q.27 ମାଳତୀ କହିଲେ, "କନକ ଦେଇ ଇମିତି କାହିଁକି ବସିବ ? ଗୁଲ ଦି' ବାଜି ତାସ୍ ଖେଳିବା।" - ଏହାକୁ ପରୋକ୍ଷ ଉଦ୍ଦେଶ୍ୟରେ ପରିଣତ କର।

- Ans
- ☒ 1. ମାଳତୀ କନକକୁ ଦି' ବାଜି ତାସ୍ ଖେଳିବାକୁ ଡାକିଲେ ।
 - ☒ 2. ମାଳତୀ କନକକୁ କହିଲେ- ଗୁଲ ଦି' ବାଜି ତାସ୍ ଖେଳିବା ।
 - ☒ 3. ମାଳତୀ କନକକୁ ଦୁଃଖର କାରଣ ପଚାରିଲେ ଓ କହିଲେ 'ଗୁଲ ଦି' ବାଜି ତାସ୍ ଖେଳିବା ।'
 - ☒ 4. ମାଳତୀ କନକ ଦେଇଙ୍କୁ ସେପରି ବସିଥିବାର କାରଣ ପଚାରି ତାଙ୍କୁ ଦି' ବାଜି ତାସ୍ ଖେଳିବାକୁ ଡାକିଲେ ।

Question Type : MCQ

Question ID : 630680819168

Option 1 ID : 6306803208837

Option 2 ID : 6306803208836

Option 3 ID : 6306803208838

Option 4 ID : 6306803208839

Status : Answered

Chosen Option : 4

Marks : 1

Q.28 ନିମ୍ନୋକ୍ତ କ୍ରିୟାପ୍ରୟୋଗ ଭିତରୁ କେଉଁଟି ଗୁଡ଼ି ଅର୍ଥ ପ୍ରକାଶ କରେ ?

- Ans
- ☒ 1. ମାଛ ମାରିବା
 - ☒ 2. କୁକୁଡ଼ା ମାରିବା
 - ☒ 3. ଦାନା ମାରିବା
 - ☒ 4. ଘେଲି ମାରିବା

Question Type : MCQ

Question ID : 630680819161

Option 1 ID : 6306803208810

Option 2 ID : 6306803208808

Option 3 ID : 6306803208811

Option 4 ID : 6306803208809

Status : Answered

Chosen Option : 3

Marks : 1

Q.29 "ବାଆକୁ ବତା" -ଏହାର ଅର୍ଥ କଣ?

- Ans
- ☒ 1. ପବନକୁ ବତା
 - ☒ 2. କ୍ଷୀଣ ଆଶ୍ରୟ
 - ☒ 3. ପବନ ଓ ବତା
 - ☒ 4. ପବନରେ ବତା

Question Type : MCQ

Question ID : 630680819246

Option 1 ID : 6306803209153

Option 2 ID : 6306803209152

Option 3 ID : 6306803209155

Option 4 ID : 6306803209154

Status : Answered

Chosen Option : 2

Marks : 1

Q.30 "ନାରୀ" ର ପ୍ରତିଶବ୍ଦ ଲେଖ ।

- Ans
- ☒ 1. ପ୍ରିୟ
 - ☒ 2. ନିଶାତ
 - ☒ 3. ମାତରିଣ୍ଡା
 - ☒ 4. ବାମା

Question Type : MCQ

Question ID : 630680819242

Option 1 ID : 6306803209139

Option 2 ID : 6306803209137

Option 3 ID : 6306803209136

Option 4 ID : 6306803209138

Status : Not Answered

Chosen Option : --

Marks : 0

Q.31 ନଅଙ୍କ ଦୁର୍ଭିକ୍ଷ ସମୟରେ ଧାନ୍ୟାଦି ଶସ୍ୟର ନିଅଣ୍ଟିଆ ପରିସ୍ଥିତି ସୃଷ୍ଟି ହୋଇଥିଲା - ଏ ବାକ୍ୟରେ କେଉଁ ଶବ୍ଦରେ ବନାନଗତ ଅଣୁଷ୍ଠି ଅଛି?

- Ans
- ☒ 1. ପରିସ୍ଥିତି
 - ☒ 2. ଧାନ୍ୟାଦି
 - ☒ 3. ଦୁର୍ଭିକ୍ଷ
 - ☒ 4. ନିଅଣ୍ଟିଆ

Question Type : MCQ

Question ID : 630680819181

Option 1 ID : 6306803208891

Option 2 ID : 6306803208889

Option 3 ID : 6306803208888

Option 4 ID : 6306803208890

Status : Not Answered

Chosen Option : --

Marks : 0

Q.32 ତାଙ୍କୁ ଏ କାମ କରିବାକୁ ହେବ । - ଏହି ବାକ୍ୟର ବାଚ୍ୟ ପରିବର୍ତ୍ତନ କର ।

- Ans
- ✓ 1. ତାଙ୍କ ଦ୍ଵାରା ଏ କାମ କରାଯିବ ।
 - ✗ 2. ଏ କାମ କରାଯିବ ତାଙ୍କଦ୍ଵାରା ।
 - ✗ 3. ସେ ଏ କାମ କରିବେ ।
 - ✗ 4. ଏ କାମ ସେ କରିବେ ।

Question Type : MCQ
Question ID : 630680819211
Option 1 ID : 6306803209012
Option 2 ID : 6306803209015
Option 3 ID : 6306803209013
Option 4 ID : 6306803209014
Status : Answered
Chosen Option : 1
Marks : 1

Q.33 “ପର୍ବତ”ର ପ୍ରତିଶବ୍ଦ ଲେଖ ।

- Ans
- ✗ 1. ପ୍ରାଚୀର
 - ✗ 2. ଦୁର୍ଗ
 - ✗ 3. ଗଡ଼
 - ✓ 4. ପାହାଡ଼

Question Type : MCQ
Question ID : 630680819199
Option 1 ID : 6306803208967
Option 2 ID : 6306803208966
Option 3 ID : 6306803208965
Option 4 ID : 6306803208964
Status : Answered
Chosen Option : 4
Marks : 1

Q.34 “କେଉଁ ଗାଈର ଗୋବର” ଏହାର ଅର୍ଥ କଣ ?

- Ans
- ✗ 1. କାଳି ଗାଈର ଗୋବର ।
 - ✗ 2. ଜଣା ନଥିବା ଗାଈର ଗୋବର ।
 - ✗ 3. ଗାଈର ଗୋବର ।
 - ✓ 4. ଅତି ସାମାନ୍ୟ ମଣିଷ ।

Question Type : MCQ
Question ID : 630680819225
Option 1 ID : 6306803209071
Option 2 ID : 6306803209068
Option 3 ID : 6306803209070
Option 4 ID : 6306803209069
Status : Answered
Chosen Option : 4
Marks : 1

Q.35 ନିମ୍ନୋକ୍ତ କ୍ରିୟାପ୍ରୟୋଗ ଭିତରୁ କେଉଁଟି ଗୁଡ଼ି ଅର୍ଥ ପ୍ରକାଶ କରେ ?

- Ans
- ☒ 1. ଯାତ୍ରା ଦେଖିବା
 - ☒ 2. ଭଲ କରି ନ ଦେଖିବା
 - ☒ 3. କାହାକୁ ଦେଖିନପାରିବା
 - ☒ 4. ଚିତ୍ର ଦେଖିବା

Question Type : MCQ

Question ID : 630680819184

Option 1 ID : 6306803208901

Option 2 ID : 6306803208903

Option 3 ID : 6306803208902

Option 4 ID : 6306803208900

Status : Not Answered

Chosen Option : --

Marks : 0

Q.36 ନିମ୍ନଲିଖିତ ବାକ୍ୟ ମଧ୍ୟରୁ କେଉଁ ବାକ୍ୟଟି ଭୁଲ୍ ?

- Ans
- ☒ 1. ଶିକ୍ଷ୍ୟର ସୌଜନ୍ୟ ଦେଖି ଗୁରୁ ଆନନ୍ଦିତ ହେଲେ ।
 - ☒ 2. ଶିକ୍ଷ୍ୟର ଭଲ ଗୁଣ ଦେଖି ଗୁରୁ ଆନନ୍ଦିତ ହେଲେ ।
 - ☒ 3. ଶିକ୍ଷ୍ୟର ପାଠପଢ଼ା ଦେଖି ଗୁରୁ ଆନନ୍ଦିତ ହେଲେ ।
 - ☒ 4. ଶିକ୍ଷ୍ୟର ସୌଜନ୍ୟତା ଦେଖି ଗୁରୁ ଆନନ୍ଦିତ ହେଲେ ।

Question Type : MCQ

Question ID : 630680819217

Option 1 ID : 6306803209036

Option 2 ID : 6306803209037

Option 3 ID : 6306803209039

Option 4 ID : 6306803209038

Status : Not Answered

Chosen Option : --

Marks : 0

Q.37 ଗୁଡ଼ିପ୍ରୟୋଗ ଗୁଡ଼ିକୁ ଶୂନ୍ୟସ୍ଥାନ ପୂରଣ କର-
ତାଙ୍କର ଏକମାତ୍ର ପୁଅ _____ ଲଭିବ ।

- Ans
- ☒ 1. ଅଙ୍ଗୁର
 - ☒ 2. ଅନ୍ଧାର
 - ☒ 3. ଅନ୍ଧର
 - ☒ 4. ପଙ୍ଗୁର

Question Type : MCQ

Question ID : 630680819155

Option 1 ID : 6306803208787

Option 2 ID : 6306803208785

Option 3 ID : 6306803208784

Option 4 ID : 6306803208786

Status : Answered

Chosen Option : 3

Marks : 1

Q.38 ନିମ୍ନରେ ଦିଆଯାଇଥିବା ପଦ, ବାକ୍ୟାଂଶ ବା ଖଣ୍ଡବାକ୍ୟକୁ କେଉଁ ଉପଯୁକ୍ତ କ୍ରମରେ ଯୋଡ଼ିଲେ ପୂର୍ଣ୍ଣାଙ୍ଗ ବାକ୍ୟଟିଏ ହେବ ?

- A. ଯେଉଁମାନେ ତାଙ୍କ ମତରେ
- B. ସେମାନେ ମଧ୍ୟ
- C. ବିରୋଧ କରୁଥିଲେ
- D. ତାଙ୍କୁ ପ୍ରଶଂସା କରୁଥିଲେ

Ans ☒ 1. ACBD

☒ 2. ADBC

☒ 3. ACDB

☒ 4. ABDC

Question Type : MCQ

Question ID : 630680819194

Option 1 ID : 6306803208943

Option 2 ID : 6306803208941

Option 3 ID : 6306803208942

Option 4 ID : 6306803208940

Status : Answered

Chosen Option : 1

Marks : 1

Q.39 ନିମ୍ନଲିଖିତ ଶବ୍ଦ ମଧ୍ୟରୁ କେଉଁଟି ଠିକ ଶବ୍ଦ ?

Ans ☒ 1. ସମୀଚୀନ

☒ 2. ସମୀଚିନ

☒ 3. ସମୁଚୀନ

☒ 4. ଶମୀଚୀନ

Question Type : MCQ

Question ID : 630680819201

Option 1 ID : 6306803208973

Option 2 ID : 6306803208972

Option 3 ID : 6306803208974

Option 4 ID : 6306803208975

Status : Not Answered

Chosen Option : --

Marks : 0

Q.40 'ଅନୁଗ୍ରହ' ଶବ୍ଦର ବିପରୀତାର୍ଥ ଶବ୍ଦ କ'ଣ ?

Ans ☒ 1. ବିଗ୍ରହ

☒ 2. ନିଗ୍ରହ

☒ 3. ପରିଗ୍ରହ

☒ 4. ଗ୍ରହ

Question Type : MCQ

Question ID : 630680819157

Option 1 ID : 6306803208792

Option 2 ID : 6306803208793

Option 3 ID : 6306803208794

Option 4 ID : 6306803208795

Status : Not Answered

Chosen Option : --

Marks : 0

Q.41 Which former captain of the Indian cricket team released the English version of the book 'Come! Let's Run', written by Ma. Subramanian, in January 2023?

- Ans
- ✓ 1. Krishnamachari Srikkanth
 - ✗ 2. Gundappa Viswanath
 - ✗ 3. Dilip Vengsarkar
 - ✗ 4. Mohinder Amarnath

Question Type : MCQ
Question ID : 630680327588
Option 1 ID : 6306801274351
Option 2 ID : 6306801274352
Option 3 ID : 6306801274350
Option 4 ID : 6306801274349
Status : Answered
Chosen Option : 3
Marks : -0.25

Q.42 The Prime Minister launched 'Ganga Vilas', the world's longest river cruise, from _____ in Uttar Pradesh to _____ in Assam in January 2023.

- Ans
- ✗ 1. Kanpur; Dibrugarh
 - ✗ 2. Kanpur; Bagdogra
 - ✗ 3. Varanasi; Bagdogra
 - ✓ 4. Varanasi; Dibrugarh

Question Type : MCQ
Question ID : 630680321167
Option 1 ID : 6306801249383
Option 2 ID : 6306801249384
Option 3 ID : 6306801249382
Option 4 ID : 6306801249381
Status : Answered
Chosen Option : 4
Marks : 1

Q.43 In order to collaboratively undertake research on the ocean data to predict and manage changes in the marine environment under the framework of Colombo Security Conclave (CSC), scientists embarked onboard India's research vessel '_____' in June 2023.

- Ans
- ✗ 1. Sagar Ratna
 - ✓ 2. Sagar Nidhi
 - ✗ 3. Sagar Rekha
 - ✗ 4. Sagar Moti

Question Type : MCQ
Question ID : 630680314434
Option 1 ID : 6306801223538
Option 2 ID : 6306801223537
Option 3 ID : 6306801223539
Option 4 ID : 6306801223540
Status : Answered
Chosen Option : 2
Marks : 1

Q.44 Which of the following bills was passed by the Rajya Sabha in August 2021 to encourage the start-up ecosystem and further boost ease of doing business?

- Ans
- ☒ 1. The Government of National Capital Territory of Delhi (Amendment) Bill, 2021
 - ☒ 2. Limited Liability Partnership (Amendment) Bill, 2021
 - ☒ 3. The Foreign Contribution (Regulation) Amendment Bill, 2020
 - ☒ 4. The Central Universities (Amendment) Bill, 2021

Question Type : MCQ
Question ID : 630680196011
Option 1 ID : 630680760432
Option 2 ID : 630680760434
Option 3 ID : 630680760433
Option 4 ID : 630680760431
Status : Answered
Chosen Option : 3
Marks : -0.25

Q.45 Who among the following was appointed as the 25th Chief Election Commissioner of India in May 2022?

- Ans
- ☒ 1. Rajiv Kumar
 - ☒ 2. Anup Chandra Pandey
 - ☒ 3. Sushil Chandra
 - ☒ 4. Arun Goel

Question Type : MCQ
Question ID : 630680465486
Option 1 ID : 6306801817980
Option 2 ID : 6306801817979
Option 3 ID : 6306801817982
Option 4 ID : 6306801817981
Status : Answered
Chosen Option : 3
Marks : -0.25

Q.46 Which championship was won by Rohan Bopanna and his Australian partner Matthew Ebden in March 2024?

- Ans
- ☒ 1. Australian Open doubles
 - ☒ 2. French Open doubles
 - ☒ 3. Wimbledon doubles
 - ☒ 4. Miami Open doubles

Question Type : MCQ
Question ID : 630680819037
Option 1 ID : 6306803208321
Option 2 ID : 6306803208323
Option 3 ID : 6306803208322
Option 4 ID : 6306803208320
Status : Answered
Chosen Option : 4
Marks : 1

Q.47 _____ has launched the Cyber VaultEdge insurance plan, a comprehensive cyber insurance cover for individuals that provides protection against financial losses arising from cyber risks and attacks.

- Ans
- ☒ 1. Kotak General Insurance Company
 - ☒ 2. Bajaj General Insurance
 - ☒ 3. SBI General Insurance
 - ☒ 4. Tata AIG General Insurance Company

Question Type : MCQ
Question ID : 630680321182
Option 1 ID : 6306801249443
Option 2 ID : 6306801249442
Option 3 ID : 6306801249441
Option 4 ID : 6306801249444
Status : Answered
Chosen Option : 3
Marks : 1

Q.48 In May 2023, who assumed the role of Deputy Chief of the Air Staff in the Indian Air Force?

- Ans
- ☒ 1. Air Marshal Ashutosh Dixit
 - ☒ 2. Air Marshal Birender Singh Dhanoo
 - ☒ 3. Air Marshal Surinder Singh Dhall
 - ☒ 4. Air Marshal Ajay Kumar Singh

Question Type : MCQ
Question ID : 630680488457
Option 1 ID : 6306801907865
Option 2 ID : 6306801907864
Option 3 ID : 6306801907866
Option 4 ID : 6306801907863
Status : Answered
Chosen Option : 3
Marks : -0.25

Q.49 In November 2022, which of the following High Courts observed that "it is the duty of the government to ensure that appropriate action is taken to protect historical and archaeological monuments or sites of the country"?

- Ans
- ☒ 1. Delhi High Court
 - ☒ 2. Madras High Court
 - ☒ 3. Calcutta High Court
 - ☒ 4. Bombay High Court

Question Type : MCQ
Question ID : 630680194319
Option 1 ID : 630680753812
Option 2 ID : 630680753809
Option 3 ID : 630680753810
Option 4 ID : 630680753811
Status : Answered
Chosen Option : 2
Marks : 1

Q.50 Which of the following organisations released a report titled 'Striving for Clean Air: Air Pollution and Public Health in South Asia' in December 2022?

- Ans
- ☒ 1. Climate Action Network
 - ☒ 2. United Nations Environment Programme
 - ☒ 3. Global Green Growth Institute
 - ☒ 4. World Bank

Question Type : MCQ
Question ID : 630680327524
Option 1 ID : 6306801274093
Option 2 ID : 6306801274095
Option 3 ID : 6306801274096
Option 4 ID : 6306801274094
Status : Answered
Chosen Option : 1
Marks : -0.25

Q.51 As per the World Social Protection Report 2020-22 by ILO, how many Indians are under any sort of social protection benefit?

- Ans
- ☒ 1. 29.4%
 - ☒ 2. 24.4%
 - ☒ 3. 26.4%
 - ☒ 4. 28.4%

Question Type : MCQ
Question ID : 630680304925
Option 1 ID : 6306801186252
Option 2 ID : 6306801186251
Option 3 ID : 6306801186250
Option 4 ID : 6306801186249
Status : Answered
Chosen Option : 3
Marks : -0.25

Q.52 Which of the following Aircrafts of Indian Air Force took part in Pitch Black Multinational Defence Exercise in 2022?

- Ans
- ☒ 1. HAL Tejas and Mirage
 - ☒ 2. Su-30 MKI and C-17
 - ☒ 3. Rafale and Su-30
 - ☒ 4. MiG-29 and MiG-21

Question Type : MCQ
Question ID : 630680325580
Option 1 ID : 6306801266657
Option 2 ID : 6306801266659
Option 3 ID : 6306801266658
Option 4 ID : 6306801266660
Status : Answered
Chosen Option : 3
Marks : -0.25

Q.53 Which of the following is/are one of the 17 SDGs?
A)No poverty
B)Zero Hunger
C)Quality Education

- Ans ☒ 1. Only B and C
☒ 2. All - A, B and C
☒ 3. Only A and B
☒ 4. Only A

Question Type : MCQ
Question ID : 630680354916
Option 1 ID : 6306801381739
Option 2 ID : 6306801381740
Option 3 ID : 6306801381738
Option 4 ID : 6306801381737
Status : Answered
Chosen Option : 2
Marks : 1

Q.54 Ten Ramsar sites were added on the eve of the 76th Independence Day (15 August 2022) to the list of Ramsar Sites. What is a Ramsar Site?

- Ans ☒ 1. Desert lands
☒ 2. Cave sites
☒ 3. Wetlands
☒ 4. Archaeological sites

Question Type : MCQ
Question ID : 630680325562
Option 1 ID : 6306801266585
Option 2 ID : 6306801266588
Option 3 ID : 6306801266586
Option 4 ID : 6306801266587
Status : Answered
Chosen Option : 3
Marks : 1

Q.55 Which of the following authorities has recently (that is, in November 2021) superseded the Board of Directors of Reliance Capital?

- Ans ☒ 1. SBI
☒ 2. SEBI
☒ 3. National Company Law Tribunal
☒ 4. RBI

Question Type : MCQ
Question ID : 630680194493
Option 1 ID : 630680754507
Option 2 ID : 630680754505
Option 3 ID : 630680754508
Option 4 ID : 630680754506
Status : Answered
Chosen Option : 3
Marks : -0.25

Q.56 India celebrated the World Children's Day on 20 November 2022, the theme of the event for this year was _____.

- Ans
- ☒ 1. Child is the future of the world
 - ☒ 2. Inclusion for Every Child
 - ☒ 3. Children the Nature's Property
 - ☒ 4. Every Child is Important

Question Type : MCQ
Question ID : 630680192133
Option 1 ID : 630680745135
Option 2 ID : 630680745134
Option 3 ID : 630680745136
Option 4 ID : 630680745133
Status : Answered
Chosen Option : 2
Marks : 1

Q.57 According to the National Commission for Allied and Healthcare Professions Act, 2021, the duration of the degree/diploma should be at least _____ hours.

- Ans
- ☒ 1. 2000
 - ☒ 2. 1500
 - ☒ 3. 1000
 - ☒ 4. 2500

Question Type : MCQ
Question ID : 630680217875
Option 1 ID : 630680845409
Option 2 ID : 630680845408
Option 3 ID : 630680845407
Option 4 ID : 630680845410
Status : Answered
Chosen Option : 3
Marks : -0.25

Q.58 The Santosh Trophy National Football Tournament 2021-22 was won by _____.

- Ans
- ☒ 1. Haryana
 - ☒ 2. Kerala
 - ☒ 3. West Bengal
 - ☒ 4. Maharashtra

Question Type : MCQ
Question ID : 630680196029
Option 1 ID : 630680760506
Option 2 ID : 630680760504
Option 3 ID : 630680760503
Option 4 ID : 630680760505
Status : Answered
Chosen Option : 3
Marks : -0.25

Q.59 At the 68th National Film Awards 2022, who among the following was awarded as one of the best actresses?

- Ans
- ☒ 1. Jyothika
 - ☒ 2. Aparna Balamurali
 - ☒ 3. Lakshmi Priyaa Chandramouli
 - ☒ 4. Keerthy Suresh

Question Type : MCQ
Question ID : 630680195911
Option 1 ID : 630680760085
Option 2 ID : 630680760084
Option 3 ID : 630680760083
Option 4 ID : 630680760086
Status : Answered
Chosen Option : 3
Marks : -0.25

Q.60 Which of the following states is the first state in India to introduce Carbon Neutral Farming India?

- Ans
- ☒ 1. Karnataka
 - ☒ 2. Gujarat
 - ☒ 3. Kerala
 - ☒ 4. Andhra Pradesh

Question Type : MCQ
Question ID : 630680192129
Option 1 ID : 630680745117
Option 2 ID : 630680745120
Option 3 ID : 630680745119
Option 4 ID : 630680745118
Status : Answered
Chosen Option : 4
Marks : -0.25

Q.61 Where was the 'Mangarh Dham ki Gaurav Gatha' held to pay homage to the sacrifices of the unsung tribal heroes and martyrs of the freedom struggle by the Prime Minister in Rajasthan?

- Ans
- ☒ 1. Banswara
 - ☒ 2. Bhilwara
 - ☒ 3. Dungarpur
 - ☒ 4. Pratapgarh

Question Type : MCQ
Question ID : 630680325529
Option 1 ID : 6306801266456
Option 2 ID : 6306801266454
Option 3 ID : 6306801266453
Option 4 ID : 6306801266455
Status : Answered
Chosen Option : 3
Marks : -0.25

Q.62 What is the name of the internationally recognised body for nomenclature of celestial objects, which officially granted recognition to the landing site of Chandrayaan-3 as 'Shiv Shakti' in March 2024?

- Ans
- ✗ 1. National Aeronautics and Space Administration (NASA)
 - ✗ 2. Indian Space Research Organisation (ISRO)
 - ✗ 3. International Agency of Astronomy
 - ✓ 4. International Astronomical Union

Question Type : MCQ
Question ID : 630680819049
Option 1 ID : 6306803208369
Option 2 ID : 6306803208368
Option 3 ID : 6306803208370
Option 4 ID : 6306803208371
Status : Answered
Chosen Option : 2
Marks : -0.25

Q.63 Which country released eight former Indian Navy personnel from its custody in February 2024, who were previously sentenced to death?

- Ans
- ✗ 1. Oman
 - ✓ 2. Qatar
 - ✗ 3. Iran
 - ✗ 4. Turkey

Question Type : MCQ
Question ID : 630680819015
Option 1 ID : 6306803208232
Option 2 ID : 6306803208233
Option 3 ID : 6306803208234
Option 4 ID : 6306803208235
Status : Answered
Chosen Option : 1
Marks : -0.25

Q.64 The joint military training exercise titled 'ExSampriti-X' was held between:

- Ans
- ✗ 1. India and Sri Lanka
 - ✗ 2. India and Myanmar
 - ✗ 3. India and Nepal
 - ✓ 4. India and Bangladesh

Question Type : MCQ
Question ID : 630680210568
Option 1 ID : 630680816433
Option 2 ID : 630680816434
Option 3 ID : 630680816432
Option 4 ID : 630680816431
Status : Answered
Chosen Option : 2
Marks : -0.25

Q.65 _____, the fourth of four ships of the Survey Vessels (Large) (SVL) Project, of the Indian Navy was launched in June 2023 at Chennai.

- Ans
- ☒ 1. Sandhayak
 - ☒ 2. Nirdeshak
 - ☒ 3. Ikshak
 - ☒ 4. Sanshodhak

Question Type : MCQ
Question ID : 630680314436
Option 1 ID : 6306801223545
Option 2 ID : 6306801223546
Option 3 ID : 6306801223547
Option 4 ID : 6306801223548
Status : Answered
Chosen Option : 1
Marks : -0.25

Q.66 At which of the following places was the world's first Vedic clock installed in March 2024?

- Ans
- ☒ 1. Mumbai
 - ☒ 2. Dwarka
 - ☒ 3. Ujjain
 - ☒ 4. Jaipur

Question Type : MCQ
Question ID : 630680819048
Option 1 ID : 6306803208366
Option 2 ID : 6306803208367
Option 3 ID : 6306803208364
Option 4 ID : 6306803208365
Status : Answered
Chosen Option : 3
Marks : 1

Q.67 What happened to Mumbai's air quality index (AQI) on 24 January 2022?

- Ans
- ☒ 1. Mumbai's air quality index reached 'severe +' levels on 24 January 2022.
 - ☒ 2. Mumbai's air quality index reached the safest levels on 24 January 2022.
 - ☒ 3. Mumbai's air quality index performed better than Delhi's, for the first time on 24 January 2022.
 - ☒ 4. Mumbai's air quality index rose to 200 on 24 January 2022.

Question Type : MCQ
Question ID : 630680394968
Option 1 ID : 6306801540140
Option 2 ID : 6306801540141
Option 3 ID : 6306801540142
Option 4 ID : 6306801540143
Status : Answered
Chosen Option : 3
Marks : -0.25

Q.68 The 100-day Aashwasan Campaign was run under _____.

- Ans
- ☒ 1. MGNREGA
 - ☒ 2. Sarva Shiksha Abhiyan
 - ☒ 3. Tribal TB Initiative
 - ☒ 4. Mission Shakti

Question Type : MCQ
Question ID : 630680325592
Option 1 ID : 6306801266707
Option 2 ID : 6306801266705
Option 3 ID : 6306801266706
Option 4 ID : 6306801266708
Status : Answered
Chosen Option : 1
Marks : -0.25

Q.69 The controversy between India and the Maldives, which began in January 2024, was followed by the Indian Prime Minister's visit to _____.

- Ans
- ☒ 1. Diu
 - ☒ 2. Lakshadweep
 - ☒ 3. Sri Lanka
 - ☒ 4. Goa

Question Type : MCQ
Question ID : 630680819022
Option 1 ID : 6306803208260
Option 2 ID : 6306803208263
Option 3 ID : 6306803208261
Option 4 ID : 6306803208262
Status : Answered
Chosen Option : 2
Marks : 1

Q.70 Which term as Russian President has Vladimir Putin begun, following his victory in the March 2024 Presidential election?

- Ans
- ☒ 1. Fourth
 - ☒ 2. Fifth
 - ☒ 3. Sixth
 - ☒ 4. Third

Question Type : MCQ
Question ID : 630680819023
Option 1 ID : 6306803208264
Option 2 ID : 6306803208266
Option 3 ID : 6306803208267
Option 4 ID : 6306803208265
Status : Answered
Chosen Option : 3
Marks : -0.25

Q.71 In a certain code language, 'POWER' is coded as '385' and 'FAIR' is coded as '136'.
What is the code for 'RACKS' in that language?

- Ans
- ☐ 1. 250
 - ☐ 2. 208
 - ☐ 3. 255
 - ☒ 4. 260

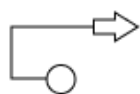
Question Type : MCQ
Question ID : 630680540832
Option 1 ID : 6306802114368
Option 2 ID : 6306802114366
Option 3 ID : 6306802114369
Option 4 ID : 6306802114367
Status : Answered
Chosen Option : 4
Marks : 1

Q.72 Seven people, A, B, C, D, E, F and G, are sitting in a straight line, facing north.
Only two people sit to the left of A. Only three people sit between A and D. F sits second to the right of A. Only two people sit between F and E. B sits at some place to the right of C but at some place to the left of G.
How many people sit to the right of B?

- Ans
- ☐ 1. One
 - ☒ 2. Three
 - ☐ 3. Two
 - ☐ 4. Four

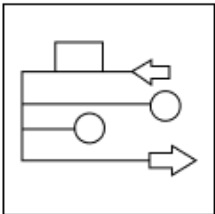
Question Type : MCQ
Question ID : 630680410759
Option 1 ID : 6306801601792
Option 2 ID : 6306801601794
Option 3 ID : 6306801601793
Option 4 ID : 6306801601795
Status : Answered
Chosen Option : 2
Marks : 1

Q.73 Select the option figure in which the given figure is embedded as its part (rotation is NOT allowed).

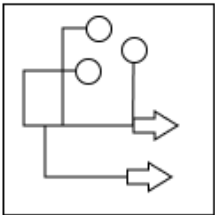


Ans

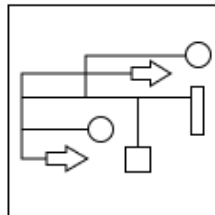
✗ 1.



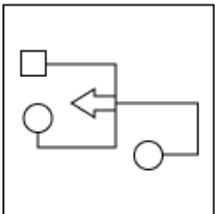
✗ 2.



✓ 3.

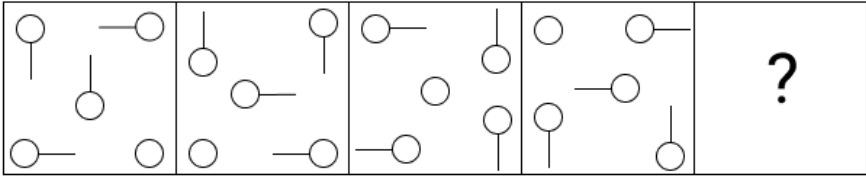


✗ 4.



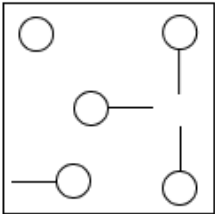
Question Type : MCQ
Question ID : 630680629196
Option 1 ID : 6306802462868
Option 2 ID : 6306802462867
Option 3 ID : 6306802462866
Option 4 ID : 6306802462869
Status : Answered
Chosen Option : 3
Marks : 1

Q.74 Select the figure from among the given options that can replace the question mark (?) in the following series.

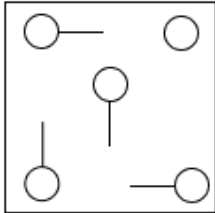


Ans

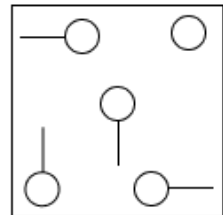
✗ 1.



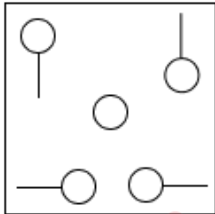
✗ 2.



✓ 3.



✗ 4.



Question Type : MCQ
Question ID : 630680623440
Option 1 ID : 6306802439888
Option 2 ID : 6306802439887
Option 3 ID : 6306802439889
Option 4 ID : 6306802439886
Status : Answered
Chosen Option : 2
Marks : -0.25

Q.75 ASYV is related to KCIF in a certain way based on the English alphabetical order. In the same way, OGMJ is related to YQWT. To which of the following options is SKQN related, following the same logic?

- Ans ☒ 1. CUAX
☐ 2. CXAU
☐ 3. CAXU
☐ 4. CXUA

Question Type : MCQ
Question ID : 630680543530
Option 1 ID : 6306802124925
Option 2 ID : 6306802124928
Option 3 ID : 6306802124926
Option 4 ID : 6306802124927
Status : Answered
Chosen Option : 1
Marks : 1

Q.76 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

- Ans ☐ 1. JN - QM
☐ 2. CK - XJ
☒ 3. HT - SU
☐ 4. RV - IU

Question Type : MCQ
Question ID : 630680482468
Option 1 ID : 6306801884349
Option 2 ID : 6306801884348
Option 3 ID : 6306801884347
Option 4 ID : 6306801884346
Status : Answered
Chosen Option : 1
Marks : -0.25

Q.77 K, L, M, N, O, P and Q are sitting in a row facing north. Only O sits left of P. Only one person sits between P and Q. Only two people sit to the right of N. Only one person sits between Q and K . How many people sit between P and K?

- Ans ☐ 1. Four
☐ 2. One
☐ 3. Two
☒ 4. Three

Question Type : MCQ
Question ID : 630680490720
Option 1 ID : 6306801916790
Option 2 ID : 6306801916787
Option 3 ID : 6306801916788
Option 4 ID : 6306801916789
Status : Answered
Chosen Option : 4
Marks : 1

Q.78 Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?
: IMJ :: GKH: %

- Ans ☒ 1. # = EIF, % = KOL
☐ 2. # = EIF, % = KOM
☐ 3. # = EIG, % = KPL
☐ 4. # = EIG, % = KOL

Question Type : MCQ
Question ID : 630680546089
Option 1 ID : 6306802134932
Option 2 ID : 6306802134933
Option 3 ID : 6306802134935
Option 4 ID : 6306802134934
Status : Answered
Chosen Option : 1
Marks : 1

Q.79 Select the pair which follows the same pattern as that followed by the two sets of pairs given below. Both pairs follow the same pattern.

FDB : YWU
SQO : LJH

- Ans ☒ 1. OMK : HFD
☐ 2. OMK : GFE
☐ 3. PNK : GFE
☐ 4. PNK : HFD

Question Type : MCQ
Question ID : 630680732597
Option 1 ID : 6306802871166
Option 2 ID : 6306802871168
Option 3 ID : 6306802871169
Option 4 ID : 6306802871167
Status : Answered
Chosen Option : 2
Marks : -0.25

Q.80 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 conclusion(s) logically follow(s) from the statements.

Statements:
All frogs are turtles.
Some turtles are reptiles
Some frogs are lizards.

Conclusions:
(I) Some turtles are lizards.
(II) Some frogs are reptiles.

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

Question Type : MCQ
Question ID : 630680655691
Option 1 ID : 6306802566739
Option 2 ID : 6306802566738
Option 3 ID : 6306802566740
Option 4 ID : 6306802566741
Status : Answered
Chosen Option : 1
Marks : -0.25

Q.81 What should come in place of the question mark (?) in the given series?

412 420 430 442 456 ?

- Ans
- ☒ 1. 472
 - ☒ 2. 474
 - ☒ 3. 468
 - ☒ 4. 470

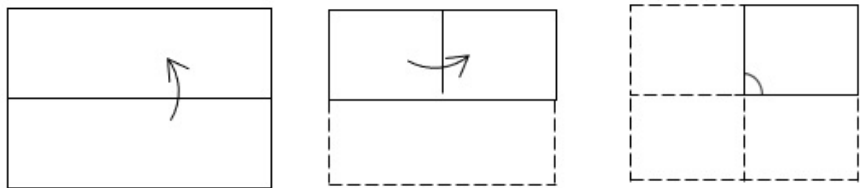
Question Type : MCQ
Question ID : 630680635966
Option 1 ID : 6306802489724
Option 2 ID : 6306802489725
Option 3 ID : 6306802489722
Option 4 ID : 6306802489723
Status : Answered
Chosen Option : 1
Marks : 1

Q.82 Vishal ranked 15th from the top and 34th from the bottom in his class. How many students are there in his class?

- Ans
- ☒ 1. 48
 - ☒ 2. 47
 - ☒ 3. 49
 - ☒ 4. 46

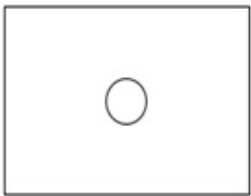
Question Type : MCQ
Question ID : 630680593959
Option 1 ID : 6306802324089
Option 2 ID : 6306802324090
Option 3 ID : 6306802324092
Option 4 ID : 6306802324091
Status : Answered
Chosen Option : 1
Marks : 1

Q.83 A paper is folded and cut as shown below. How will it appear when unfolded?



Ans

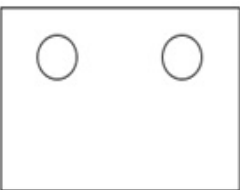
✓ 1.



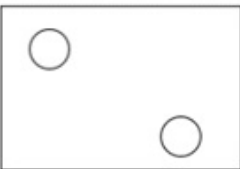
✗ 2.



✗ 3.



✗ 4.



Question Type : MCQ
Question ID : 630680467977
Option 1 ID : 6306801827811
Option 2 ID : 6306801827813
Option 3 ID : 6306801827810
Option 4 ID : 6306801827812
Status : Answered
Chosen Option : 1
Marks : 1

Q.84 A, B, C, D, E and F live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it is number 2 and so on till the topmost floor is numbered 6. Only two people live between D and F. E lives immediately below F. F lives on an odd-numbered floor but not on floor number 5. C lives immediately above A. No one lives below B. Who lives on floor number 4?

Ans

- ✗ 1. C
- ✗ 2. E
- ✗ 3. F
- ✓ 4. A

Question Type : MCQ
Question ID : 630680668885
Option 1 ID : 6306802619067
Option 2 ID : 6306802619068
Option 3 ID : 6306802619066
Option 4 ID : 6306802619065
Status : Answered
Chosen Option : 4
Marks : 1

Q.85 Refer to the following letter, number and symbol series and answer the question that follows. (Counting to be done from left to right only.)

(Left) P @ 8 M 3 A 6 ? * 7 S E N 5 £ B 2 R # 9 T (Right)
How many such numbers are there, each of which is immediately preceded by a symbol and also immediately followed by a letter?

- Ans
- ✓ 1. Three
 - ✗ 2. One
 - ✗ 3. Four
 - ✗ 4. Two

Question Type : MCQ
Question ID : 630680382719
Option 1 ID : 6306801491793
Option 2 ID : 6306801491791
Option 3 ID : 6306801491794
Option 4 ID : 6306801491792
Status : Answered
Chosen Option : 1
Marks : 1

Q.86 This question is based on the five three-digit numbers given below.
(Left) 632 781 583 356 764 (Right) (Example- 735 – First digit = 7, second digit = 3 and third digit = 5)
NOTE - All operations to be done from left to right. The addition of all digits of how many numbers leads to an odd number?

- Ans
- ✗ 1. 3
 - ✗ 2. 1
 - ✓ 3. 2
 - ✗ 4. 4

Question Type : MCQ
Question ID : 630680394879
Option 1 ID : 6306801539802
Option 2 ID : 6306801539800
Option 3 ID : 6306801539801
Option 4 ID : 6306801539803
Status : Answered
Chosen Option : 3
Marks : 1

Q.87 This question is based on the following words.
ROW NET FIT EAT
If in each of the words, each letter is changed to the next letter in the English alphabetical order, how many words thus formed will have no vowel?

- Ans
- ✗ 1. Three
 - ✗ 2. Two
 - ✗ 3. None
 - ✓ 4. One

Question Type : MCQ
Question ID : 630680519286
Option 1 ID : 6306802029591
Option 2 ID : 6306802029590
Option 3 ID : 6306802029588
Option 4 ID : 6306802029589
Status : Answered
Chosen Option : 4
Marks : 1

Q.88 In a certain code language, 'you are funny' is coded as 'mt kp jk' and 'where were you' is coded as 'kt ab mt'. How is 'you' coded in the given language?

- Ans
- ☒ 1. ab
 - ☒ 2. mt
 - ☒ 3. kp
 - ☒ 4. kt

Question Type : MCQ
Question ID : 630680644332
Option 1 ID : 6306802522638
Option 2 ID : 6306802522635
Option 3 ID : 6306802522636
Option 4 ID : 6306802522637
Status : Answered
Chosen Option : 2
Marks : 1

Q.89 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans
- ☒ 1. PU-PW
 - ☒ 2. MR-PU
 - ☒ 3. XC-AF
 - ☒ 4. SX-VA

Question Type : MCQ
Question ID : 630680622649
Option 1 ID : 6306802436778
Option 2 ID : 6306802436781
Option 3 ID : 6306802436780
Option 4 ID : 6306802436779
Status : Answered
Chosen Option : 1
Marks : 1

Q.90 Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?
: JQZ :: IPY : %

- Ans
- ☒ 1. # = TVE; % = PKT
 - ☒ 2. # = ONE; % = DOT
 - ☒ 3. # = OVE; % = DKT
 - ☒ 4. # = OUY; % = DCT

Question Type : MCQ
Question ID : 630680545559
Option 1 ID : 6306802132839
Option 2 ID : 6306802132836
Option 3 ID : 6306802132837
Option 4 ID : 6306802132838
Status : Answered
Chosen Option : 4
Marks : -0.25

Q.91 Read the given statements and conclusions carefully. Assuming that the information given in the statement(s) 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 statement(s).

Statements:
All dolls are books.
All rods are kings.
No books are rods.

Conclusions:
(I) Some kings are not dolls.
(II) No dolls are rods.

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

Question Type : MCQ
Question ID : 630680650430
Option 1 ID : 6306802546719
Option 2 ID : 6306802546721
Option 3 ID : 6306802546722
Option 4 ID : 6306802546720
Status : Answered
Chosen Option : 4
Marks : -0.25

Q.92 Harry is ranked 14th from the top and 57th from the bottom in his class. How many students are there in his class?

- Ans
- ☒ 1. 71
 - ☒ 2. 70
 - ☒ 3. 72
 - ☒ 4. 69

Question Type : MCQ
Question ID : 630680546210
Option 1 ID : 6306802135417
Option 2 ID : 6306802135416
Option 3 ID : 6306802135418
Option 4 ID : 6306802135419
Status : Answered
Chosen Option : 2
Marks : 1

Q.93 In a certain code language, 'METAL' is coded as '255' and 'BATTLE' is coded as '360'. How will 'TEAM' be coded in that language?

- Ans
- ☒ 1. 156
 - ☒ 2. 195
 - ☒ 3. 165
 - ☒ 4. 234

Question Type : MCQ
Question ID : 630680540828
Option 1 ID : 6306802114352
Option 2 ID : 6306802114350
Option 3 ID : 6306802114351
Option 4 ID : 6306802114353
Status : Answered
Chosen Option : 2
Marks : -0.25

Q.94 In a certain code language,
A + B means 'A is the daughter of B',
A # B means 'A is the brother of B',
A ÷ B means 'A is the wife of B' and
A @ B means 'A is the father of B'.
How is A related to K if 'A # B + G @ H ÷ K'?

- Ans
- ☐ 1. Father
 - ☐ 2. Mother
 - ☒ 3. Wife's brother
 - ☐ 4. Wife's father

Question Type : MCQ
Question ID : 630680572034
Option 1 ID : 6306802237002
Option 2 ID : 6306802237003
Option 3 ID : 6306802237000
Option 4 ID : 6306802237001
Status : Answered
Chosen Option : 3
Marks : 1

Q.95 Each of C, D, E, F, P, Q and R has an exam on a different day of a week starting from Monday and ending on Sunday of the same week. F has the exam on Thursday. C has the exam on one of the days after P and on one of the days before E. Q has the exam on one of the days after R but on one of the days before D. R has the exam on one of the days after F. How many people have their exams between Q and C?

- Ans
- ☐ 1. Two
 - ☐ 2. One
 - ☐ 3. Four
 - ☒ 4. Three

Question Type : MCQ
Question ID : 630680634405
Option 1 ID : 6306802483491
Option 2 ID : 6306802483490
Option 3 ID : 6306802483493
Option 4 ID : 6306802483492
Status : Answered
Chosen Option : 4
Marks : 1

Q.96 Based on the English alphabetical order, three of the following letter-cluster pairs are alike in some manner and hence form a group. Which letter-cluster pair does not belong to that group?

- Ans
- ☐ 1. AT - ZG
 - ☐ 2. QD - JW
 - ☐ 3. KL - PO
 - ☒ 4. RD - IV

Question Type : MCQ
Question ID : 630680468117
Option 1 ID : 6306801828330
Option 2 ID : 6306801828333
Option 3 ID : 6306801828331
Option 4 ID : 6306801828332
Status : Answered
Chosen Option : 4
Marks : 1

Q.97 Mohan starts from point A and drives 11 km towards West. He then takes a right turn, drives 8 km, turns right and drives 13 km. He then takes a right turn and drives 12 km. He takes a final right turn, drives 2 km and stops at point P. How far (shortest distance) and towards which direction should he drive in order to reach point A again? (All turns are 90 degrees turns only unless specified.)

- Ans
- ☒ 1. 3 km to the north
 - ☒ 2. 3 km to the south
 - ☒ 3. 4 km to the north
 - ☒ 4. 4 km to the south

Question Type : MCQ
Question ID : 630680594333
Option 1 ID : 6306802325585
Option 2 ID : 6306802325587
Option 3 ID : 6306802325584
Option 4 ID : 6306802325586
Status : Answered
Chosen Option : 3
Marks : 1

Q.98 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.

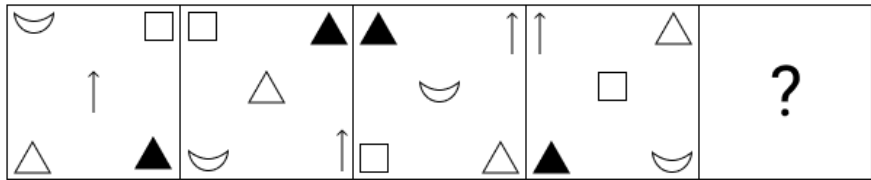
Statements:
All doors are windows.
All windows are locks.
Some windows are keys.

Conclusions:
(I): Some locks are keys.
(II): Some doors are keys.

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

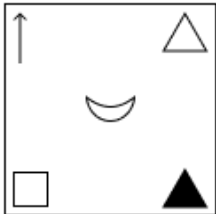
Question Type : MCQ
Question ID : 630680594526
Option 1 ID : 6306802326319
Option 2 ID : 6306802326317
Option 3 ID : 6306802326316
Option 4 ID : 6306802326318
Status : Answered
Chosen Option : 4
Marks : -0.25

Q.99 Select the figure from among the given options that can replace the question mark (?) to logically complete the series.

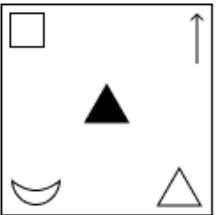


Ans

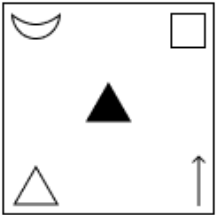
✗ 1.



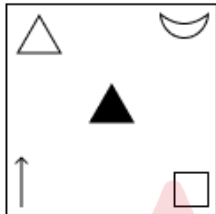
✗ 2.



✗ 3.



✓ 4.



Question Type : MCQ
Question ID : 630680566239
Option 1 ID : 6306802213947
Option 2 ID : 6306802213944
Option 3 ID : 6306802213945
Option 4 ID : 6306802213946
Status : Answered
Chosen Option : 4
Marks : 1

Q.100 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

NQ34 MP43 LO52 KN61 ?

Ans  1. JN71

 2. JM70

 3. JM71

 4. JN70

Question Type : MCQ

Question ID : 630680638288

Option 1 ID : 6306802498903

Option 2 ID : 6306802498900

Option 3 ID : 6306802498901

Option 4 ID : 6306802498902

Status : Answered

Chosen Option : 2

Marks : 1

Section : Subject Content & Methodology

Q.101 How does problem-solving contribute to students' 'mathematical understanding'?

Ans  1. By encouraging them to avoid challenging questions

 2. By emphasising memorisation over comprehension

 3. By promoting a deep understanding of mathematical concepts

 4. By providing step-by-step solutions to all problems

Question Type : MCQ

Question ID : 630680819659

Option 1 ID : 6306803210827

Option 2 ID : 6306803210830

Option 3 ID : 6306803210829

Option 4 ID : 6306803210828

Status : Answered

Chosen Option : 3

Marks : 1

Q.102 If $B(n, p; x) = P(x)$ is Binomial Distribution, $P(x + 1)$ is:

Ans

✗ 1. $\frac{n+x}{x+1} \cdot \frac{p}{q} \cdot p(x)$

✗ 2. $\frac{n+x}{x-1} \cdot \frac{p}{q} \cdot p(x)$

✓ 3. $\frac{n-x}{x+1} \cdot \frac{p}{q} \cdot p(x)$

✗ 4. $\frac{n-x}{x-1} \cdot \frac{p}{q} \cdot p(x)$

Question Type : MCQ

Question ID : 630680819647

Option 1 ID : 6306803210779

Option 2 ID : 6306803210781

Option 3 ID : 6306803210782

Option 4 ID : 6306803210780

Status : Answered

Chosen Option : 3

Marks : 1

Q.103 Convert $0.4\overline{365}$ into simple a fraction.

Ans

✓ 1. $\frac{2161}{4950}$

✗ 2. $\frac{873}{2000}$

✗ 3. $\frac{1091}{2500}$

✗ 4. $\frac{2183}{5000}$

Question Type : MCQ

Question ID : 630680819558

Option 1 ID : 6306803210424

Option 2 ID : 6306803210423

Option 3 ID : 6306803210425

Option 4 ID : 6306803210426

Status : Answered

Chosen Option : 2

Marks : -0.25

Q.104 Which of the following equations has real roots?

- Ans
- ☒ 1. $2x^2 - 3x + 3 = 0$
 - ☒ 2. $x^2 - 5x + 6 = 0$
 - ☒ 3. $x^2 + 2x + 2 = 0$
 - ☒ 4. $3x^2 + 5x + 6 = 0$

Question Type : MCQ

Question ID : 630680819592

Option 1 ID : 6306803210559

Option 2 ID : 6306803210562

Option 3 ID : 6306803210561

Option 4 ID : 6306803210560

Status : Answered

Chosen Option : 2

Marks : 1

Q.105 The semi-perimeter of a triangle is 8cm. The sides are equal to 3 cm, 2a cm and 5 cm. Find the value of a.

- Ans
- ☒ 1. 8
 - ☒ 2. 2
 - ☒ 3. 5
 - ☒ 4. 4

Question Type : MCQ

Question ID : 630680819625

Option 1 ID : 6306803210692

Option 2 ID : 6306803210694

Option 3 ID : 6306803210691

Option 4 ID : 6306803210693

Status : Answered

Chosen Option : 4

Marks : 1

Q.106 Let $T: R^2 \rightarrow R^3$ be a linear transformation given by $T(x_1, x_2) = (x_1 + x_2, x_1 - x_2, x_2)$. Then, the rank of T is:

- Ans
- ☒ 1. 2
 - ☒ 2. 3
 - ☒ 3. 1
 - ☒ 4. 0

Question Type : MCQ

Question ID : 630680819575

Option 1 ID : 6306803210494

Option 2 ID : 6306803210493

Option 3 ID : 6306803210492

Option 4 ID : 6306803210491

Status : Answered

Chosen Option : 3

Marks : -0.25

Q.107 Calculate $13^{82} \bmod 11$.

- Ans
- ☒ 1. 3
 - ☒ 2. 0
 - ☒ 3. 1
 - ☒ 4. 4

Question Type : MCQ

Question ID : 630680819565

Option 1 ID : 6306803210454

Option 2 ID : 6306803210452

Option 3 ID : 6306803210451

Option 4 ID : 6306803210453

Status : Answered

Chosen Option : 1

Marks : -0.25

Q.108 If $\alpha^3 + \beta^3 + \gamma^3 = 36$ and α, β and γ are zeroes of the polynomial $f(x) = 4x^3 - 7x - 2a$, then find the value of a.

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

Question Type : MCQ

Question ID : 630680819579

Option 1 ID : 6306803210509

Option 2 ID : 6306803210508

Option 3 ID : 6306803210510

Option 4 ID : 6306803210507

Status : Answered

Chosen Option : 3

Marks : -0.25

Q.109 If $a_1, a_2, \dots, a_n$ and $b_1, b_2, \dots, b_n$ are real numbers such that $a_1 \leq a_2 \leq \dots \leq a_n$ and $b_1 \leq b_2 \leq \dots \leq b_n$, then $(a_1 + a_2 + \dots + a_n)(b_1 + b_2 + \dots + b_n)$ is:

- Ans
- ☒ 1. $\geq n(a_1 b_1 + a_2 b_2 + \dots + a_n b_n)$
 - ☒ 2. $\leq (n-1)(a_1 b_1 + a_2 b_2 + \dots + a_n b_n)$
 - ☒ 3. $\geq (n-1)(a_1 b_1 + a_2 b_2 + \dots + a_n b_n)$
 - ☒ 4. $\leq n(a_1 b_1 + a_2 b_2 + \dots + a_n b_n)$

Question Type : MCQ

Question ID : 630680819597

Option 1 ID : 6306803210580

Option 2 ID : 6306803210581

Option 3 ID : 6306803210582

Option 4 ID : 6306803210579

Status : Answered

Chosen Option : 3

Marks : -0.25

Q.110 Which of the following is a key characteristic of learning by discovery in mathematics?

- Ans
- ☐ 1. Passive learning
 - ☒ 2. Active engagement
 - ☐ 3. Memorisation of facts
 - ☐ 4. Encouraging rote learning

Question Type : MCQ
 Question ID : 630680819654
 Option 1 ID : 6306803210807
 Option 2 ID : 6306803210808
 Option 3 ID : 6306803210809
 Option 4 ID : 6306803210810
 Status : Answered
 Chosen Option : 2
 Marks : 1

Q.111 If the system of equations $3x + 7y + 16 = 0$ and $6x + ky + 32 = 0$ has an infinite number of solutions and $m = k^2 + k - 10$, then find the value of m .

- Ans
- ☐ 1. 190
 - ☐ 2. 150
 - ☒ 3. 200
 - ☐ 4. 176

Question Type : MCQ
 Question ID : 630680819585
 Option 1 ID : 6306803210534
 Option 2 ID : 6306803210531
 Option 3 ID : 6306803210533
 Option 4 ID : 6306803210532
 Status : Answered
 Chosen Option : 3
 Marks : 1

Q.112 Consider the recurrence relation $a_1 = 4, a_n = 7n + a_{n-1} + 2$. The value of a_4 is:

- Ans
- ☐ 1. 110
 - ☒ 2. 73
 - ☐ 3. 43
 - ☐ 4. 154

Question Type : MCQ
 Question ID : 630680819604
 Option 1 ID : 6306803210608
 Option 2 ID : 6306803210610
 Option 3 ID : 6306803210607
 Option 4 ID : 6306803210609
 Status : Answered
 Chosen Option : 3
 Marks : -0.25

Q.113 Which of the following is an example of a real-life problem that involves mathematical reasoning?

- Ans
- ☐ 1. Solving a sudoku puzzle.
 - ☐ 2. Memorising a multiplication table.
 - ☐ 3. Calculating the square root of a number.
 - ☒ 4. Determining the best route to a destination.

Question Type : MCQ

Question ID : 630680819661

Option 1 ID : 6306803210835

Option 2 ID : 6306803210836

Option 3 ID : 6306803210838

Option 4 ID : 6306803210837

Status : Answered

Chosen Option : 4

Marks : 1

Q.114 If $\sin 2A = \cos (A - 36^\circ)$, where $2A$ is an acute angle, find the value of A .

- Ans
- ☐ 1. 35°
 - ☐ 2. 49°
 - ☐ 3. 30°
 - ☒ 4. 42°

Question Type : MCQ

Question ID : 630680819634

Option 1 ID : 6306803210727

Option 2 ID : 6306803210728

Option 3 ID : 6306803210729

Option 4 ID : 6306803210730

Status : Answered

Chosen Option : 4

Marks : 1

Q.115 Evaluate: $\int \frac{1}{\sqrt{1-e^{2x}}} dx$.

- Ans
- ☐ 1. $\log_e [e^x + \sqrt{e^{2x} - 1}] + c$
 - ☐ 2. $\log_e [e^{-x} + \sqrt{e^{-2x} - 1}] + c$
 - ☐ 3. $-\log_e [e^{-x} + \sqrt{e^{2x} - 1}] + c$
 - ☒ 4. $-\log_e [e^{-x} + \sqrt{e^{-2x} - 1}] + c$

Question Type : MCQ

Question ID : 630680819613

Option 1 ID : 6306803210646

Option 2 ID : 6306803210644

Option 3 ID : 6306803210645

Option 4 ID : 6306803210643

Status : Answered

Chosen Option : 3

Marks : -0.25

Q.116 If both, x and y are rational numbers and $\frac{5+\sqrt{3}}{7-4\sqrt{3}} = x + \sqrt{3}y$, then find the values of x and y .

- Ans
- ☒ 1. $x = -27; y = 47$
 - ☒ 2. $x = 47; y = 27$
 - ☒ 3. $x = 27; y = -47$
 - ☒ 4. $x = 27; y = 47$

Question Type : MCQ

Question ID : 630680819561

Option 1 ID : 6306803210438

Option 2 ID : 6306803210436

Option 3 ID : 6306803210437

Option 4 ID : 6306803210435

Status : Answered

Chosen Option : 2

Marks : 1

Q.117 If $y = \log_7(\log_7 x)$, then find $\frac{dy}{dx}$ at $x=7$.

- Ans
- ☒ 1. $\frac{1}{14(\log_e 7)^2}$
 - ☒ 2. $\frac{1}{343}$
 - ☒ 3. $\frac{1}{7(\log_e 7)^2}$
 - ☒ 4. $\frac{1}{(\log_e 7)^2}$

Question Type : MCQ

Question ID : 630680819611

Option 1 ID : 6306803210635

Option 2 ID : 6306803210638

Option 3 ID : 6306803210637

Option 4 ID : 6306803210636

Status : Answered

Chosen Option : 3

Marks : 1

Q.118 If A is a non-singular matrix of order n , then the rank of A is:

- Ans
- ☒ 1. $n+1$
 - ☒ 2. n
 - ☒ 3. $n-1$
 - ☒ 4. 0

Question Type : MCQ

Question ID : 630680819569

Option 1 ID : 6306803210468

Option 2 ID : 6306803210467

Option 3 ID : 6306803210469

Option 4 ID : 6306803210470

Status : Answered

Chosen Option : 2

Marks : 1

Q.119 If $4x^2 - 12x + 9 = 0$, then find the value of $x - \frac{1}{x}$.

Ans

☐ 1. $\frac{13}{6}$

☐ 2. $-\frac{7}{6}$

☒ 3. $\frac{5}{6}$

☐ 4. $-\frac{1}{2}$

Question Type : MCQ

Question ID : 630680819591

Option 1 ID : 6306803210555

Option 2 ID : 6306803210557

Option 3 ID : 6306803210556

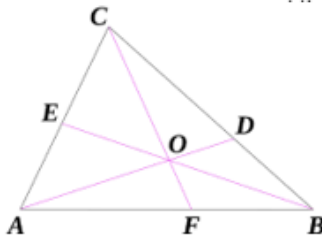
Option 4 ID : 6306803210558

Status : Answered

Chosen Option : 3

Marks : 1

Q.120 In the given figure find the value of $\frac{AF}{FB} \times \frac{BD}{DC} \times \frac{CE}{EA}$.



Ans

☐ 1. 0

☐ 2. 3

☒ 3. 1

☐ 4. 2

Question Type : MCQ

Question ID : 630680819614

Option 1 ID : 6306803210648

Option 2 ID : 6306803210649

Option 3 ID : 6306803210650

Option 4 ID : 6306803210647

Status : Answered

Chosen Option : 3

Marks : 1

Q.121 The distance between the point $P(a\cos\alpha, a\sin\alpha)$ and $Q(a\cos\beta, a\sin\beta)$ is:

- Ans
- ☒ 1. $2a\sin(\alpha + \beta)$
 - ☒ 2. $2a\sin\left(\frac{\alpha + \beta}{2}\right)$
 - ☒ 3. $2a\sin\left(\frac{\alpha - \beta}{2}\right)$
 - ☒ 4. $2a\sin(\alpha - \beta)$

Question Type : MCQ

Question ID : 630680819623

Option 1 ID : 6306803210686

Option 2 ID : 6306803210684

Option 3 ID : 6306803210683

Option 4 ID : 6306803210685

Status : Answered

Chosen Option : 3

Marks : 1

Q.122 Find the 12th term of Arithmetic Progressions given by 7, 11, 15, 19, 23,...

- Ans
- ☒ 1. 63
 - ☒ 2. 51
 - ☒ 3. 47
 - ☒ 4. 55

Question Type : MCQ

Question ID : 630680819601

Option 1 ID : 6306803210597

Option 2 ID : 6306803210598

Option 3 ID : 6306803210595

Option 4 ID : 6306803210596

Status : Answered

Chosen Option : 2

Marks : 1

Q.123 Let T be a linear transformation on a vector space V such that $T^2 - T + I = 0$. Then, which of the following is/are true?

- (i) T is singular
- (ii) T is non-singular
- (iii) T is invertible
- (iv) T is not invertible

- Ans
- ☒ 1. Only (ii)
 - ☒ 2. Both (ii) and (iii)
 - ☒ 3. Only (iii)
 - ☒ 4. Both (i) and (iv)

Question Type : MCQ

Question ID : 630680819573

Option 1 ID : 6306803210483

Option 2 ID : 6306803210485

Option 3 ID : 6306803210486

Option 4 ID : 6306803210484

Status : Answered

Chosen Option : 3

Marks : -0.25

Q.124 The base of a parallelogram is thrice its height. If the area of the parallelogram is 147 cm^2 , find its height.

- Ans
- ☒ 1. 7 cm
 - ☐ 2. 8 cm
 - ☐ 3. 6 cm
 - ☐ 4. 5 cm

Question Type : MCQ

Question ID : 630680819626

Option 1 ID : 6306803210698

Option 2 ID : 6306803210697

Option 3 ID : 6306803210695

Option 4 ID : 6306803210696

Status : Answered

Chosen Option : 1

Marks : 1

Q.125 If $f(x) = \begin{cases} \sin \frac{\pi x}{2} & x < 1 \\ kx & x \geq 1 \end{cases}$ then find k so that f(x) become continuous at $x=1$.

- Ans
- ☐ 1. -2
 - ☐ 2. 3
 - ☒ 3. 1
 - ☐ 4. 0

Question Type : MCQ

Question ID : 630680819609

Option 1 ID : 6306803210628

Option 2 ID : 6306803210629

Option 3 ID : 6306803210630

Option 4 ID : 6306803210627

Status : Answered

Chosen Option : 4

Marks : -0.25

Q.126 Calculate $17^3 \bmod 30$.

- Ans
- ☐ 1. 17
 - ☒ 2. 23
 - ☐ 3. 21
 - ☐ 4. 13

Question Type : MCQ

Question ID : 630680819564

Option 1 ID : 6306803210447

Option 2 ID : 6306803210449

Option 3 ID : 6306803210450

Option 4 ID : 6306803210448

Status : Answered

Chosen Option : 4

Marks : -0.25

Q.127 For all natural numbers x, y and z, if $x=y$ and $y=z$, then $x=z$. That is, equality is:

- Ans
- ☒ 1. equivalence
 - ☒ 2. transitive
 - ☒ 3. reflexive
 - ☒ 4. symmetric

Question Type : MCQ

Question ID : 630680819563

Option 1 ID : 6306803210446

Option 2 ID : 6306803210444

Option 3 ID : 6306803210443

Option 4 ID : 6306803210445

Status : Answered

Chosen Option : 3

Marks : -0.25

Q.128 If a, b and c represent the three sides of a triangle, then which of the following options is correct?

- Ans
- ☒ 1. $\frac{a^2 + b^2 + c^2}{ab + bc + ca} > 2$
 - ☒ 2. $\frac{a^2 + b^2 + c^2}{ab + bc + ca} \leq 2$
 - ☒ 3. $\frac{a^2 + b^2 + c^2}{ab + bc + ca} < 2$
 - ☒ 4. $\frac{a^2 + b^2 + c^2}{ab + bc + ca} \geq 2$

Question Type : MCQ

Question ID : 630680819600

Option 1 ID : 6306803210592

Option 2 ID : 6306803210594

Option 3 ID : 6306803210593

Option 4 ID : 6306803210591

Status : Answered

Chosen Option : 3

Marks : 1

Q.129 What is a potential challenge of using group work in mathematics teaching?

Ans ☒ 1.

It requires more time and resources than traditional teaching methods.

☒ 2.

It can lead to students become overly dependent on each other.

☒ 3. It can lead to conflicts among group members.

☒ 4.

It can be difficult to assess individual student understanding.

Question Type : MCQ

Question ID : 630680819676

Option 1 ID : 6306803210897

Option 2 ID : 6306803210895

Option 3 ID : 6306803210898

Option 4 ID : 6306803210896

Status : Answered

Chosen Option : 4

Marks : 1

Q.130 If A is square matrix of order 4 and the rank of A is 1, then the nullity of the matrix A is:

Ans ☒ 1. 3

☒ 2. 4

☒ 3. 0

☒ 4. 2

Question Type : MCQ

Question ID : 630680819570

Option 1 ID : 6306803210472

Option 2 ID : 6306803210474

Option 3 ID : 6306803210471

Option 4 ID : 6306803210473

Status : Answered

Chosen Option : 3

Marks : -0.25

Q.131 If $2a + 3b = 1$ and $x - 5$ is a factor of quadratic polynomial $x^2 + 2ax - 3b$, then find the value of a and b.

Ans

☒ 1. $a = -2 ; b = \frac{5}{3}$

☒ 2. $a = 2 ; b = -1$

☒ 3. $a = 3 ; b = -\frac{2}{3}$

☒ 4. $a = -4 ; b = 3$

Question Type : MCQ

Question ID : 630680819581

Option 1 ID : 6306803210518

Option 2 ID : 6306803210516

Option 3 ID : 6306803210517

Option 4 ID : 6306803210515

Status : Answered

Chosen Option : 1

Marks : 1

Q.132 What does the step 'Carrying out the plan' involve in the problem-solving process given by George Polya?

- Ans
- ☐ 1. Developing a plan to solve the problem.
 - ☐ 2. Checking the solution for errors.
 - ☐ 3. Reflecting on the problem-solving process.
 - ☒ 4. Implementing the plan to solve the problem.

Question Type : MCQ

Question ID : 630680819660

Option 1 ID : 6306803210831

Option 2 ID : 6306803210832

Option 3 ID : 6306803210833

Option 4 ID : 6306803210834

Status : Answered

Chosen Option : 4

Marks : 1

Q.133 If n is any odd number greater than 1, then $n(n^2 - 1)$ is always divisible by _____.

- Ans
- ☐ 1. 96
 - ☐ 2. 48
 - ☐ 3. 72
 - ☒ 4. 24

Question Type : MCQ

Question ID : 630680819562

Option 1 ID : 6306803210440

Option 2 ID : 6306803210439

Option 3 ID : 6306803210442

Option 4 ID : 6306803210441

Status : Answered

Chosen Option : 3

Marks : -0.25

Q.134 If $2^{a+2} + 3^{b+2} = 43$ and $2^{a+3} + 3^{b+2} = 59$, then find the values of a and b .

- Ans
- ☐ 1. $a=1; b=2$
 - ☒ 2. $a=2; b=1$
 - ☐ 3. $a=-1; b=2$
 - ☐ 4. $a=1; b=-2$

Question Type : MCQ

Question ID : 630680819586

Option 1 ID : 6306803210535

Option 2 ID : 6306803210538

Option 3 ID : 6306803210536

Option 4 ID : 6306803210537

Status : Answered

Chosen Option : 2

Marks : 1

Q.135 How can teachers help students develop their situation model for solving word problems?

- Ans
- ☒ 1. By providing only abstract mathematical problems
 - ☒ 2. By focusing on rote memorisation of formulas
 - ☒ 3. By encouraging students to visualise the problem
 - ☒ 4. By discouraging students from using real-life examples

Question Type : MCQ

Question ID : 630680819662

Option 1 ID : 6306803210839

Option 2 ID : 6306803210842

Option 3 ID : 6306803210840

Option 4 ID : 6306803210841

Status : Answered

Chosen Option : 3

Marks : 1

Q.136 If $y\sqrt{x} = 1 + 2x\sqrt{x}$ then find $\frac{dy}{dx}$ at $x=4$.

- Ans
- ☒ 1. $\frac{1}{4}$
 - ☒ 2. $\frac{31}{16}$
 - ☒ 3. 0
 - ☒ 4. $\frac{21}{17}$

Question Type : MCQ

Question ID : 630680819610

Option 1 ID : 6306803210634

Option 2 ID : 6306803210631

Option 3 ID : 6306803210633

Option 4 ID : 6306803210632

Status : Answered

Chosen Option : 3

Marks : -0.25

Q.137 The distribution function for a random variable X is $F(x) = \begin{cases} 1 - e^{-2x}, & x \geq 0 \\ 0, & x < 0 \end{cases}$. Find the probability that $-5 \leq X \leq 4$.

- Ans
- ☒ 1. $1 - 2e^{-2}$
 - ☒ 2. $1 - e^{-2}$
 - ☒ 3. $1 - e^{-8}$
 - ☒ 4. $1 - e^{-10}$

Question Type : MCQ

Question ID : 630680819650

Option 1 ID : 6306803210792

Option 2 ID : 6306803210791

Option 3 ID : 6306803210793

Option 4 ID : 6306803210794

Status : Answered

Chosen Option : 3

Marks : 1

Q.138 The inverse of 19 mod 141 is:

- Ans
- ✓ 1. 52
 - ✗ 2. 55
 - ✗ 3. 50
 - ✗ 4. 51

Question Type : MCQ
 Question ID : 630680819567
 Option 1 ID : 6306803210460
 Option 2 ID : 6306803210462
 Option 3 ID : 6306803210461
 Option 4 ID : 6306803210459
 Status : Answered
 Chosen Option : 3
 Marks : -0.25

Q.139 Which of the following is a characteristic of traditional approaches in teaching mathematics?

- Ans
- ✓ 1. Emphasising rote memorisation of facts and formulas.
 - ✗ 2. Using technology to enhance instruction.
 - ✗ 3. Encouraging student-centred learning.
 - ✗ 4. Promoting critical thinking and problem-solving skills.

Question Type : MCQ
 Question ID : 630680819665
 Option 1 ID : 6306803210851
 Option 2 ID : 6306803210854
 Option 3 ID : 6306803210852
 Option 4 ID : 6306803210853
 Status : Answered
 Chosen Option : 1
 Marks : 1

Q.140 A marriage hall's rent in a city includes the daily rent as well as a one-time fixed security deposit. For 2 days, the amount paid is ₹35,000 and for 3 days, the amount paid is ₹50,000. How much does a person have to pay for 5 days?

- Ans
- ✗ 1. ₹75,000
 - ✗ 2. ₹95,000
 - ✗ 3. ₹85,000
 - ✓ 4. ₹80,000

Question Type : MCQ
 Question ID : 630680819589
 Option 1 ID : 6306803210548
 Option 2 ID : 6306803210550
 Option 3 ID : 6306803210547
 Option 4 ID : 6306803210549
 Status : Answered
 Chosen Option : 4
 Marks : 1

Q.141 What is Euclid's Division Lemma?

- Ans
- ☐ 1. $a = bq - r, \quad 0 < r < b$
 - ☐ 2. $a = bq - r, \quad 0 \leq r < b$
 - ☐ 3. $a = bq + r, \quad 0 < r < b$
 - ☒ 4. $a = bq + r, \quad 0 \leq r < b$

Question Type : MCQ

Question ID : 630680819556

Option 1 ID : 6306803210418

Option 2 ID : 6306803210417

Option 3 ID : 6306803210416

Option 4 ID : 6306803210415

Status : Answered

Chosen Option : 2

Marks : -0.25

Q.142 Find the value of $\frac{\sin^2 52^\circ + \sin^2 38^\circ}{\cos^2 12^\circ + \cos^2 78^\circ}$.

- Ans
- ☐ 1. 0
 - ☐ 2. 0.5
 - ☐ 3. $1/\sqrt{2}$
 - ☒ 4. 1

Question Type : MCQ

Question ID : 630680819635

Option 1 ID : 6306803210731

Option 2 ID : 6306803210733

Option 3 ID : 6306803210734

Option 4 ID : 6306803210732

Status : Answered

Chosen Option : 4

Marks : 1

Q.143 A given rope can be folded into a square shape, whose area is 33 cm^2 . If the same rope is folded into a circle, then what will be the area of that circle? ($\pi = \frac{22}{7}$)

- Ans
- ☐ 1. 38 cm^2
 - ☐ 2. 45 cm^2
 - ☐ 3. 56 cm^2
 - ☒ 4. 42 cm^2

Question Type : MCQ

Question ID : 630680819627

Option 1 ID : 6306803210702

Option 2 ID : 6306803210700

Option 3 ID : 6306803210701

Option 4 ID : 6306803210699

Status : Answered

Chosen Option : 4

Marks : 1

Q.144 Consider the basis $S = \{\alpha_1, \alpha_2, \alpha_3\}$ of R^3 , where $\alpha_1 = (1, 1, 1)$, $\alpha_2 = (1, 1, 0)$ and $\alpha_3 = (1, 0, 0)$. If $T: R^3 \rightarrow R^2$ be is defined as $T(\alpha_1) = (1, 0)$, $T(\alpha_2) = (2, -1)$ and $T(\alpha_3) = (4, 3)$, then find $T(2, -3, 5)$.

Ans ☒ 1. (9, 23)

☐ 2. (25, 5)

☐ 3. (7, 2)

☐ 4. (5, -8)

Question Type : MCQ

Question ID : 630680819574

Option 1 ID : 6306803210487

Option 2 ID : 6306803210489

Option 3 ID : 6306803210490

Option 4 ID : 6306803210488

Status : Answered

Chosen Option : 3

Marks : -0.25

Q.145 If α and β are the zeros of a quadratic polynomial $f(x)$, then, the polynomial $f(x)$ is given by:

Ans ☐ 1. $f(x) = k[x^2 + (\alpha + \beta)x + \alpha\beta]$

☐ 2. $f(x) = k[x^2 + (\alpha + \beta)x - \alpha\beta]$

☐ 3. $f(x) = k[x^2 - (\alpha + \beta)x - \alpha\beta]$

☒ 4. $f(x) = k[x^2 - (\alpha + \beta)x + \alpha\beta]$

Question Type : MCQ

Question ID : 630680819576

Option 1 ID : 6306803210496

Option 2 ID : 6306803210498

Option 3 ID : 6306803210497

Option 4 ID : 6306803210495

Status : Answered

Chosen Option : 2

Marks : -0.25

Q.146 If the characteristic equation of a matrix A is $\lambda^3 + \lambda^2 - 21\lambda - 45 = 0$, then trace of the matrix is:

Ans ☐ 1. -3

☒ 2. -1

☐ 3. 2

☐ 4. 0

Question Type : MCQ

Question ID : 630680819571

Option 1 ID : 6306803210478

Option 2 ID : 6306803210477

Option 3 ID : 6306803210476

Option 4 ID : 6306803210475

Status : Answered

Chosen Option : 3

Marks : -0.25

Q.147 If α and β are the roots of the equation $x^2 + 3x + 6 = 0$, then find the value of $\frac{\alpha^2}{\beta} + \frac{\beta^2}{\alpha}$.

Ans

- ✗ 1. $\frac{7}{6}$
- ✗ 2. $\frac{27}{2}$
- ✗ 3. $\frac{5}{6}$
- ✓ 4. $\frac{9}{2}$

Question Type : MCQ

Question ID : 630680819595

Option 1 ID : 6306803210574

Option 2 ID : 6306803210571

Option 3 ID : 6306803210573

Option 4 ID : 6306803210572

Status : Answered

Chosen Option : 2

Marks : -0.25

Q.148 Let $\phi(n)$ denote the Euler's totient function. Then, the value of $\phi(372)$ is equal to:

Ans

- ✓ 1. 120
- ✗ 2. 276
- ✗ 3. 341
- ✗ 4. 186

Question Type : MCQ

Question ID : 630680819568

Option 1 ID : 6306803210466

Option 2 ID : 6306803210465

Option 3 ID : 6306803210463

Option 4 ID : 6306803210464

Status : Answered

Chosen Option : 3

Marks : -0.25

Q.149 How can teachers use questioning to promote active engagement in a mathematics classroom?

Ans

- ✗ 1. By asking only closed-ended questions.
- ✗ 2. By discouraging students from asking questions
- ✗ 3. By providing immediate answers to all the questions
- ✓ 4.

By asking questions that require students to apply concepts to new situations

Question Type : MCQ

Question ID : 630680819677

Option 1 ID : 6306803210899

Option 2 ID : 6306803210901

Option 3 ID : 6306803210902

Option 4 ID : 6306803210900

Status : Answered

Chosen Option : 4

Marks : 1

Q.150 What is the key principle of the constructivist approach to teaching mathematics?

- Ans
- ☒ 1. Discouraging collaboration among students.
 - ☒ 2. Promoting active engagement and discovery by students.
 - ☒ 3. Emphasising teacher-centred instructions.
 - ☒ 4. Focusing on rote memorisation of formulas.

Question Type : MCQ

Question ID : 630680819663

Option 1 ID : 6306803210846

Option 2 ID : 6306803210845

Option 3 ID : 6306803210844

Option 4 ID : 6306803210843

Status : Answered

Chosen Option : 2

Marks : 1

Q.151 Among 200 students, 64 play football, 40 play chess, 90 play cricket, 30 play football and chess, 14 play football and cricket, 20 play chess and cricket and 60 do not play any of the three games. Find the number of students playing exactly one of the three games.

- Ans
- ☒ 1. 102
 - ☒ 2. 96
 - ☒ 3. 140
 - ☒ 4. 90

Question Type : MCQ

Question ID : 630680819605

Option 1 ID : 6306803210613

Option 2 ID : 6306803210612

Option 3 ID : 6306803210611

Option 4 ID : 6306803210614

Status : Answered

Chosen Option : 2

Marks : 1

Q.152 When preparing a lesson plan using the activity approach, what should be the primary consideration?

- Ans
- ☒ 1. Aligning the activities with the learning objectives.
 - ☒ 2. Ensuring that the activities are entertaining for students.
 - ☒ 3. Focusing on the completion of the activities rather than the learning outcomes.
 - ☒ 4. Providing step by step instructions for each activity.

Question Type : MCQ

Question ID : 630680819666

Option 1 ID : 6306803210856

Option 2 ID : 6306803210855

Option 3 ID : 6306803210858

Option 4 ID : 6306803210857

Status : Answered

Chosen Option : 1

Marks : 1

Q.153 The number of polynomial(s) having zeroes as -7 and 4 is/are:

- Ans
- ☒ 1. 1
 - ☒ 2. 2
 - ☒ 3. infinitely many
 - ☒ 4. 3

Question Type : MCQ
 Question ID : 630680819577
 Option 1 ID : 6306803210502
 Option 2 ID : 6306803210501
 Option 3 ID : 6306803210499
 Option 4 ID : 6306803210500
 Status : Answered
 Chosen Option : 3
 Marks : 1

Q.154 In a triangle ABC, D is a point on AB and E is a point on AC such that DE is parallel to BC, AE=2 cm, EC=8 cm and BC=6 cm. Find the value of DE.

- Ans
- ☒ 1. 2.6 cm
 - ☒ 2. 3.5 cm
 - ☒ 3. 1.2 cm
 - ☒ 4. 1.8 cm

Question Type : MCQ
 Question ID : 630680819615
 Option 1 ID : 6306803210652
 Option 2 ID : 6306803210654
 Option 3 ID : 6306803210653
 Option 4 ID : 6306803210651
 Status : Answered
 Chosen Option : 3
 Marks : 1

Q.155 The smallest number among the number s 2^{350} , 3^{210} , 5^{140} , 4^{280} is:

- Ans
- ☒ 1. 5^{140}
 - ☒ 2. 2^{350}
 - ☒ 3. 3^{210}
 - ☒ 4. 4^{280}

Question Type : MCQ
 Question ID : 630680819559
 Option 1 ID : 6306803210427
 Option 2 ID : 6306803210429
 Option 3 ID : 6306803210430
 Option 4 ID : 6306803210428
 Status : Answered
 Chosen Option : 1
 Marks : 1

Q.156 Find the middle term of the Arithmetic Progressions given by 7, 14, 21, ..., 217.

- Ans ☒ 1. 112
☒ 2. 105
☒ 3. 133
☒ 4. 119

Question Type : MCQ
 Question ID : 630680819602
 Option 1 ID : 6306803210601
 Option 2 ID : 6306803210599
 Option 3 ID : 6306803210602
 Option 4 ID : 6306803210600
 Status : Answered
 Chosen Option : 1
 Marks : 1

Q.157 How does the SE (Scaffolding-Enrichment) model support student learning in mathematics?

- Ans ☒ 1.
 By offering structured support to help students develop problem solving skills
☒ 2. By providing ready-made solutions to problems
☒ 3.
 By encouraging students to rely solely on teachers' explanations
☒ 4. By discouraging independent thinking and exploration

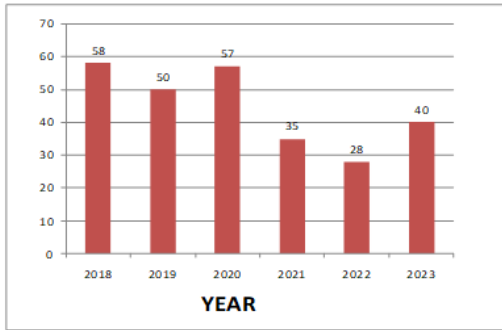
Question Type : MCQ
 Question ID : 630680819664
 Option 1 ID : 6306803210849
 Option 2 ID : 6306803210847
 Option 3 ID : 6306803210848
 Option 4 ID : 6306803210850
 Status : Answered
 Chosen Option : 1
 Marks : 1

Q.158 Which of the following is a benefit of organising mathematics laboratory activities?

- Ans ☒ 1.
 They eliminate the needs for traditional instruction methods.
☒ 2. They focus solely on rote learning.
☒ 3. They require less preparation time for teachers.
☒ 4.
 They provide students with opportunities to apply theoretical knowledge.

Question Type : MCQ
 Question ID : 630680819668
 Option 1 ID : 6306803210865
 Option 2 ID : 6306803210866
 Option 3 ID : 6306803210863
 Option 4 ID : 6306803210864
 Status : Answered
 Chosen Option : 1
 Marks : -0.25

Q.159 The following bar graphs represents the sales of computers during the years 2018-2022.



Find the percentage increase in sales from 2022 to 2023.

- Ans
- ☒ 1. 45.57%
 - ☒ 2. 40.25%
 - ☒ 3. 42.86%
 - ☒ 4. 41.12%

Question Type : MCQ

Question ID : 630680819642

Option 1 ID : 6306803210761

Option 2 ID : 6306803210760

Option 3 ID : 6306803210759

Option 4 ID : 6306803210762

Status : Answered

Chosen Option : 3

Marks : 1

Q.160 Find the value of k for which the points $(-2, 5)$, $(k, 6)$ and $(2, 1)$ are collinear.

- Ans
- ☒ 1. 0
 - ☒ 2. 2
 - ☒ 3. -3
 - ☒ 4. -4

Question Type : MCQ

Question ID : 630680819621

Option 1 ID : 6306803210675

Option 2 ID : 6306803210676

Option 3 ID : 6306803210678

Option 4 ID : 6306803210677

Status : Answered

Chosen Option : 3

Marks : 1

Q.161 If $x + \frac{1}{x} = 2\cos 15^\circ$, then find the value of $x^3 + \frac{1}{x^3}$.

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

Question Type : MCQ
 Question ID : 630680819636
 Option 1 ID : 6306803210736
 Option 2 ID : 6306803210737
 Option 3 ID : 6306803210735
 Option 4 ID : 6306803210738
 Status : Answered
 Chosen Option : 3
 Marks : -0.25

Q.162 The exponent of 7 in the prime factorisation of 1176 is:

- Ans
- ✓ 1. 2
 - ✗ 2. 4
 - ✗ 3. 3
 - ✗ 4. 1

Question Type : MCQ
 Question ID : 630680819557
 Option 1 ID : 6306803210422
 Option 2 ID : 6306803210419
 Option 3 ID : 6306803210421
 Option 4 ID : 6306803210420
 Status : Answered
 Chosen Option : 3
 Marks : -0.25

Q.163 If A is a 2×2 matrix and the Eigenvalue of a matrix A is $2 \pm 2i$, then find the determinant of A.

- Ans
- ✗ 1. 4
 - ✓ 2. 8
 - ✗ 3. 6
 - ✗ 4. $4i$

Question Type : MCQ
 Question ID : 630680819572
 Option 1 ID : 6306803210479
 Option 2 ID : 6306803210480
 Option 3 ID : 6306803210481
 Option 4 ID : 6306803210482
 Status : Answered
 Chosen Option : 3
 Marks : -0.25

Q.164 Fit a straight line when $\sum x = 15$, $\sum x^2 = 55$, $\sum y = 30$, $\sum xy = 110$ and $n=5$, treating y as the dependent variable.

- Ans
- ☒ 1. $y = 2x + 3$
 - ☒ 2. $y = 2x - 3$
 - ☒ 3. $y = x - 2$
 - ☒ 4. $y = 2x$

Question Type : MCQ

Question ID : 630680819651

Option 1 ID : 6306803210798

Option 2 ID : 6306803210796

Option 3 ID : 6306803210797

Option 4 ID : 6306803210795

Status : Answered

Chosen Option : 3

Marks : -0.25

Q.165 In $\triangle ABC$, $AB=5$ cm, $BC=6$ cm and $CA=7$ cm. A transversal is drawn to cut the sides AB at F , BC produced at D and CA at E so that $AF=2$ cm and $AE=4$ cm. Find the length of BD .

- Ans
- ☒ 1. 12 cm
 - ☒ 2. 9 cm
 - ☒ 3. 7 cm
 - ☒ 4. 8 cm

Question Type : MCQ

Question ID : 630680819618

Option 1 ID : 6306803210665

Option 2 ID : 6306803210663

Option 3 ID : 6306803210666

Option 4 ID : 6306803210664

Status : Answered

Chosen Option : 3

Marks : -0.25

Q.166 Find the constant c such that the function

$$f(x) = \begin{cases} cx^2, & 0 \leq x \leq 3 \\ 0, & \text{Otherwise} \end{cases}$$
 is a probability density function.

Ans

- ✗ 1. $\frac{4}{5}$
 ✓ 2. $\frac{1}{9}$
 ✗ 3. $\frac{1}{3}$
 ✗ 4. $\frac{1}{7}$

Question Type : MCQ

Question ID : 630680819646

Option 1 ID : 6306803210776

Option 2 ID : 6306803210777

Option 3 ID : 6306803210778

Option 4 ID : 6306803210775

Status : Answered

Chosen Option : 2

Marks : 1

Q.167 Find the mode of the following items:
 0, 1, 6, 7, 2, 3, 7, 6, 6, 2, 6, 0, 5, 6, 0

Ans

- ✓ 1. 6
 ✗ 2. 7
 ✗ 3. 2
 ✗ 4. 0

Question Type : MCQ

Question ID : 630680819637

Option 1 ID : 6306803210741

Option 2 ID : 6306803210740

Option 3 ID : 6306803210742

Option 4 ID : 6306803210739

Status : Answered

Chosen Option : 3

Marks : -0.25

Q.168 X is a normal variate with mean 30 and standard deviation 5. Find $P(26 \leq X \leq 40)$. Use the following extract from the table of areas from mean to a distance of $\frac{x-\bar{x}}{\sigma}$ from the mean under the curve.

$\frac{x-\bar{x}}{\sigma}$	0.8	1.0	2.0
Area	0.2881	0.3413	0.4772

- Ans
- ✗ 1. 0.9495
 - ✗ 2. 0.3174
 - ✗ 3. 0.2135
 - ✓ 4. 0.7653

Question Type : MCQ
Question ID : 630680819648
Option 1 ID : 6306803210786
Option 2 ID : 6306803210784
Option 3 ID : 6306803210783
Option 4 ID : 6306803210785
Status : Answered
Chosen Option : 4
Marks : 1

Q.169 How can guided discovery strategies benefit students in learning mathematical concepts?

- Ans
- ✗ 1. By encouraging rote memorisation of formulas
 - ✓ 2. By promoting mathematical communication skills
 - ✗ 3. By minimising student engagement in the learning process
 - ✗ 4. By providing step by step instruction for solving problems

Question Type : MCQ
Question ID : 630680819656
Option 1 ID : 6306803210815
Option 2 ID : 6306803210818
Option 3 ID : 6306803210817
Option 4 ID : 6306803210816
Status : Answered
Chosen Option : 4
Marks : -0.25

Q.170 The giventable shows patients who suffered from five different diseases in the years 2022 and 2023.

Diseases	2022	2023
Hepatitis A	135	88
Dengue	97	112
Ebola	65	42
Chickenpox	125	155
Norovirus	97	71

Find the difference in the number of patientsuffering from Hepatitis A, dengue and Ebola in 2023 compared to those suffering from chickenpox and norovirus in 2022.

- Ans
- ✓ 1. 20
 - ✗ 2. 25
 - ✗ 3. 19
 - ✗ 4. 27

Question Type : MCQ
Question ID : 630680819641
Option 1 ID : 6306803210757
Option 2 ID : 6306803210755
Option 3 ID : 6306803210758
Option 4 ID : 6306803210756
Status : Answered
Chosen Option : 1
Marks : 1

Q.171 If one root of $x^2 - \frac{15}{m}x - 14 = 0$ is 7, then find the value of m.

- Ans
- ✗ 1. 1
 - ✓ 2. 3
 - ✗ 3. -1
 - ✗ 4. 2

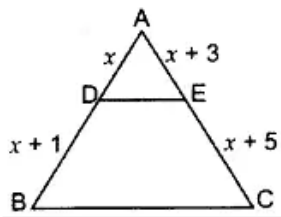
Question Type : MCQ
Question ID : 630680819594
Option 1 ID : 6306803210567
Option 2 ID : 6306803210570
Option 3 ID : 6306803210568
Option 4 ID : 6306803210569
Status : Answered
Chosen Option : 4
Marks : -0.25

Q.172 What is the purpose of organising hands-on-activities in a Mathematics Club?

- Ans
- ✗ 1. To eliminate the need for teacher guidance
 - ✓ 2. To provide students with opportunities to explore mathematical concepts
 - ✗ 3. To focus solely on memorisation
 - ✗ 4. To make activities more entertaining

Question Type : MCQ
Question ID : 630680819667
Option 1 ID : 6306803210861
Option 2 ID : 6306803210860
Option 3 ID : 6306803210862
Option 4 ID : 6306803210859
Status : Answered
Chosen Option : 2
Marks : 1

Q.173 In the given figure, if DE is parallel to BC, then find the value of x.



Ans ☒ 1. 3 cm

☐ 2. 2 cm

☐ 3. 4 cm

☐ 4. 7 cm

Question Type : MCQ

Question ID : 630680819616

Option 1 ID : 6306803210655

Option 2 ID : 6306803210656

Option 3 ID : 6306803210657

Option 4 ID : 6306803210658

Status : Answered

Chosen Option : 1

Marks : 1

Q.174 Find the positive remainder of $\frac{36!}{37}$.

Ans ☐ 1. 21

☐ 2. 1

☒ 3. 36

☐ 4. 3

Question Type : MCQ

Question ID : 630680819566

Option 1 ID : 6306803210457

Option 2 ID : 6306803210456

Option 3 ID : 6306803210458

Option 4 ID : 6306803210455

Status : Answered

Chosen Option : 2

Marks : -0.25

Q.175 What is the benefit of using visual representations in the textbook models for teaching mathematics?

Ans ☒ 1.

To help students develop a deeper understanding of abstract mathematical concepts

☒ 2.

To provide auditory learners with alternative learning methods

☒ 3. To eliminate the need for students to visualise concepts

☒ 4. To confuse students with unnecessary information

Question Type : MCQ

Question ID : 630680819671

Option 1 ID : 6306803210877

Option 2 ID : 6306803210875

Option 3 ID : 6306803210876

Option 4 ID : 6306803210878

Status : Answered

Chosen Option : 3

Marks : -0.25

Q.176 The circumference of a circle is 44 cm. Find the side of the square inscribed in the circle. ($\pi = \frac{22}{7}$)

Ans

☒ 1. $\frac{7}{2} \text{ cm}$

☒ 2. $7\sqrt{2} \text{ cm}$

☒ 3. $2\sqrt{7} \text{ cm}$

☒ 4. $\frac{7}{\sqrt{2}} \text{ cm}$

Question Type : MCQ

Question ID : 630680819628

Option 1 ID : 6306803210706

Option 2 ID : 6306803210704

Option 3 ID : 6306803210705

Option 4 ID : 6306803210703

Status : Answered

Chosen Option : 2

Marks : 1

Q.177 If a pair of two lines are $a_1x + b_1y + c_1 = 0$ and $a_2x + b_2y + c_2 = 0$ and $\frac{a_1}{a_2} = \frac{b_1}{b_2} \neq \frac{c_1}{c_2}$, then both lines are _____.

Ans ☒ 1. overlapping

☒ 2. parallel

☒ 3. intersecting at a point

☒ 4. perpendicular

Question Type : MCQ

Question ID : 630680819584

Option 1 ID : 6306803210527

Option 2 ID : 6306803210528

Option 3 ID : 6306803210530

Option 4 ID : 6306803210529

Status : Answered

Chosen Option : 2

Marks : 1

Q.178

In $\triangle ABC$, let D, E and F be points on lines BC, CA and AB, respectively, such that lines AD, BE and CF are concurrent. $\frac{CE}{EA} = \frac{4}{5}$, $\frac{BD}{DC} = \frac{5}{8}$ and side AB has a length of 15cm. The lengths of AF and FB will be _____ and _____, respectively.

- Ans ☒ 1. 10 cm ; 5 cm
☒ 2. 9 cm ; 6 cm
☒ 3. 5 cm ; 10 cm
☒ 4. 8 cm ; 7 cm

Question Type : MCQ
 Question ID : 630680819617
 Option 1 ID : 6306803210660
 Option 2 ID : 6306803210661
 Option 3 ID : 6306803210659
 Option 4 ID : 6306803210662
 Status : Answered
 Chosen Option : 3
 Marks : -0.25

Q.179 If α and β are the zeros of the polynomial $f(x) = 3x^2 + 8x + m$ such that $\alpha - \beta = \sqrt{3}$, then find the value of m.

- Ans ☒ 1. -36
☒ 2. $\frac{7}{9}$
☒ 3. $\frac{37}{12}$
☒ 4. 6

Question Type : MCQ
 Question ID : 630680819582
 Option 1 ID : 6306803210522
 Option 2 ID : 6306803210519
 Option 3 ID : 6306803210520
 Option 4 ID : 6306803210521
 Status : Answered
 Chosen Option : 3
 Marks : 1

Q.180 What role can local museum and cultural institutions play in enhancing mathematics education?

Ans ☒ 1.

They can provide access to advanced mathematical software and technology.

☒ 2.

They can provide opportunities for students to engage in mathematics research projects.

☒ 3.

They can fund scholarships for students pursuing degrees in mathematics.

☒ 4.

They can offer exhibitions and programmes that highlight the mathematics concepts behind art and artifacts.

Question Type : MCQ

Question ID : 630680819675

Option 1 ID : 6306803210894

Option 2 ID : 6306803210891

Option 3 ID : 6306803210893

Option 4 ID : 6306803210892

Status : Answered

Chosen Option : 4

Marks : 1

Q.181 If $a_1, a_2, \dots, a_n$ and $b_1, b_2, \dots, b_n$ are any numbers (positive, zero or negative), then $(a_1^2 + a_2^2 + \dots + a_n^2)(b_1^2 + b_2^2 + \dots + b_n^2)$ is:

Ans ☒ 1. $< (a_1b_1 + a_2b_2 + \dots + a_nb_n)$

☒ 2. $> (a_1b_1 + a_2b_2 + \dots + a_nb_n)$

☒ 3. $\leq (a_1b_1 + a_2b_2 + \dots + a_nb_n)$

☒ 4. $\geq (a_1b_1 + a_2b_2 + \dots + a_nb_n)$

Question Type : MCQ

Question ID : 630680819596

Option 1 ID : 6306803210578

Option 2 ID : 6306803210575

Option 3 ID : 6306803210577

Option 4 ID : 6306803210576

Status : Answered

Chosen Option : 3

Marks : -0.25

Q.182 If the mean of Poisson distribution is m , then the variance (σ^2) of the Poisson distribution is:

Ans ☒ 1. $\sigma^2 = m^2$

☒ 2. $\sigma^2 = 2m$

☒ 3. $\sigma^2 = \sqrt{m}$

☒ 4. $\sigma^2 = m$

Question Type : MCQ

Question ID : 630680819645

Option 1 ID : 6306803210771

Option 2 ID : 6306803210774

Option 3 ID : 6306803210773

Option 4 ID : 6306803210772

Status : Answered

Chosen Option : 3

Marks : -0.25

Q.183 If the mean of the following distribution is 9, find the value of p.

x:	4	6	p+4	10	15
f:	5	10	10	7	8

Ans ☒ 1. 5

☐ 2. 2

☐ 3. 7

☐ 4. 3

Question Type : MCQ

Question ID : 630680819640

Option 1 ID : 6306803210753

Option 2 ID : 6306803210751

Option 3 ID : 6306803210752

Option 4 ID : 6306803210754

Status : Answered

Chosen Option : 1

Marks : 1

Q.184 If $a^2 = x$ and $b^2 = y$ are real numbers and $x \neq y$, then find the relation between $\frac{x+y}{2}$ and $\sqrt{xy}$.

Ans ☐ 1. $\frac{x+y}{2} \leq \sqrt{xy}$

☐ 2. $\frac{x+y}{2} \geq \sqrt{xy}$

☐ 3. $\frac{x+y}{2} < \sqrt{xy}$

☒ 4. $\frac{x+y}{2} > \sqrt{xy}$

Question Type : MCQ

Question ID : 630680819598

Option 1 ID : 6306803210584

Option 2 ID : 6306803210586

Option 3 ID : 6306803210583

Option 4 ID : 6306803210585

Status : Answered

Chosen Option : 4

Marks : 1

Q.185 How can teachers ensure that feedback is constructive and helpful to students in mathematics?

- Ans
- ☒ 1. By providing feedback that is too general to be useful
 - ☒ 2. By focusing only on areas where students have made mistakes
 - ☒ 3. By not providing any feedback at all
 - ☒ 4. By offering specific suggestions for improvement

Question Type : MCQ

Question ID : 630680819674

Option 1 ID : 6306803210888

Option 2 ID : 6306803210887

Option 3 ID : 6306803210890

Option 4 ID : 6306803210889

Status : Answered

Chosen Option : 1

Marks : -0.25

Q.186 The polynomial which when divided by $3x^2 - 4x - 5$ gives quotient $(2x + 3)$ and remainder 5 is:

- Ans
- ☒ 1. $6x^3 - x^2 - 22x - 10$
 - ☒ 2. $6x^3 + x^2 + 22x + 10$
 - ☒ 3. $6x^3 + x^2 + 22x - 10$
 - ☒ 4. $6x^3 + x^2 - 22x - 10$

Question Type : MCQ

Question ID : 630680819580

Option 1 ID : 6306803210513

Option 2 ID : 6306803210512

Option 3 ID : 6306803210514

Option 4 ID : 6306803210511

Status : Answered

Chosen Option : 4

Marks : 1

Q.187 If $\sin\theta = \frac{3}{4}$, then calculate $\cos\theta \times \cot\theta$.

Ans

✓ 1. $\frac{7}{12}$

✗ 2. $\frac{\sqrt{7}}{12}$

✗ 3. $\frac{\sqrt{7}}{4}$

✗ 4. $\frac{9}{16}$

Question Type : MCQ

Question ID : 630680819631

Option 1 ID : 6306803210715

Option 2 ID : 6306803210716

Option 3 ID : 6306803210717

Option 4 ID : 6306803210718

Status : Answered

Chosen Option : 1

Marks : 1

Q.188 Evaluate: $\int \sqrt{\frac{x}{1-x^2}} dx$.

Ans

✓ 1. $\frac{2}{3} \sin^{-1}(x^{\frac{2}{3}}) + C$

✗ 2. $\frac{3}{2} \tan^{-1}(x^{\frac{2}{3}}) + C$

✗ 3. $\frac{3}{2} \sinh^{-1}(x^{\frac{2}{3}}) + C$

✗ 4. $\frac{3}{2} x^{\frac{2}{3}} + C$

Question Type : MCQ

Question ID : 630680819612

Option 1 ID : 6306803210639

Option 2 ID : 6306803210640

Option 3 ID : 6306803210642

Option 4 ID : 6306803210641

Status : Answered

Chosen Option : 3

Marks : -0.25

Q.189 Suppose 7 students can speak Chinese and 20 can speak Hindi, while 3 can speak both Chinese and Hindi. How many students can speak either Chinese only or Hindi only?

- Ans
- ✓ 1. 21
 - ✗ 2. 13
 - ✗ 3. 27
 - ✗ 4. 3

Question Type : MCQ
 Question ID : 630680819603
 Option 1 ID : 6306803210605
 Option 2 ID : 6306803210603
 Option 3 ID : 6306803210604
 Option 4 ID : 6306803210606
 Status : Answered
 Chosen Option : 3
 Marks : -0.25

Q.190 If n and r are positive integers and $n > r$, then which of the following options is true?

- Ans
- ✓ 1. $(1^r + 2^r + \dots + n^r)^n > n^n(n!)^r$
 - ✗ 2. $(1^r + 2^r + \dots + n^r)^n \geq n^n(n!)^r$
 - ✗ 3. $(1^r + 2^r + \dots + n^r)^n < n^n(n!)^r$
 - ✗ 4. $(1^r + 2^r + \dots + n^r)^n \leq n^n(n!)^r$

Question Type : MCQ
 Question ID : 630680819599
 Option 1 ID : 6306803210587
 Option 2 ID : 6306803210588
 Option 3 ID : 6306803210589
 Option 4 ID : 6306803210590
 Status : Answered
 Chosen Option : 3
 Marks : -0.25

Q.191 If $\sqrt{3} = 1.732$, find the value of $\sqrt{7} \div \sqrt{21}$ (up to three places of decimals).

- Ans
- ✗ 1. 0.578
 - ✓ 2. 0.577
 - ✗ 3. 0.576
 - ✗ 4. 0.579

Question Type : MCQ
 Question ID : 630680819560
 Option 1 ID : 6306803210431
 Option 2 ID : 6306803210433
 Option 3 ID : 6306803210432
 Option 4 ID : 6306803210434
 Status : Answered
 Chosen Option : 3
 Marks : -0.25

Q.192 The percentage of marks obtained by five students in five different subjects in a school is given in the following table.

Subject Student	Hindi (50)	English (50)	Mathematics (150)	Science (150)	Social Studies (100)
Aalok Kumar	85	87	72	74	90
Aman	75	80	65	60	75
Daksh Kumar	68	70	57	62	82
Jinanshi Jain	90	92	88	82	68
Sameer Khan	55	60	50	65	58

What is Jinanshi's overall percentage in the examination?

- Ans
- ✓ 1. 82.8%
 - ✗ 2. 75.4%
 - ✗ 3. 76.5%
 - ✗ 4. 82.4%

Question Type : MCQ
Question ID : 630680819643
Option 1 ID : 6306803210763
Option 2 ID : 6306803210764
Option 3 ID : 6306803210766
Option 4 ID : 6306803210765
Status : Answered
Chosen Option : 4
Marks : -0.25

Q.193 The mean of n observations $x_1, x_2, \dots, x_n$ is $\bar{X}$. If $(\alpha + \beta)$ is added to each of the observations, then find the mean of the new set of observations.

- Ans
- ✓ 1. $\bar{X} + (\alpha + \beta)$
 - ✗ 2. $\bar{X} - n(\alpha + \beta)$
 - ✗ 3. $\frac{\bar{X} + n(\alpha + \beta)}{n}$
 - ✗ 4. $\bar{X} + n(\alpha + \beta)$

Question Type : MCQ
Question ID : 630680819638
Option 1 ID : 6306803210744
Option 2 ID : 6306803210745
Option 3 ID : 6306803210746
Option 4 ID : 6306803210743
Status : Answered
Chosen Option : 3
Marks : -0.25

Q.194 The number of points on x-axis which are at a distance of 5 units from the point (2, 3) is/are:

- Ans
- ☒ 1. 0
 - ☒ 2. 3
 - ☒ 3. 2
 - ☒ 4. 1

Question Type : MCQ

Question ID : 630680819619

Option 1 ID : 6306803210668

Option 2 ID : 6306803210669

Option 3 ID : 6306803210670

Option 4 ID : 6306803210667

Status : Answered

Chosen Option : 3

Marks : 1

Q.195 If α and β are the zeros of quadratic polynomial $f(x) = 2\lambda x^2 + 3x + 5\lambda$ and $\alpha + \beta = 3\alpha\beta$, then the value of λ is:

- Ans
- ☒ 1. $-\frac{1}{5}$
 - ☒ 2. $-\frac{2}{3}$
 - ☒ 3. $\frac{3}{2}$
 - ☒ 4. $\frac{5}{3}$

Question Type : MCQ

Question ID : 630680819578

Option 1 ID : 6306803210504

Option 2 ID : 6306803210505

Option 3 ID : 6306803210503

Option 4 ID : 6306803210506

Status : Answered

Chosen Option : 4

Marks : -0.25

Q.196 How can mathematics be applied to environmental conservation efforts?

- Ans
- ☒ 1. By avoiding any mathematical calculations
 - ☒ 2. By focusing solely on the theoretical aspects of mathematics
 - ☒ 3. By using mathematical models to analyse and predict environmental changes
 - ☒ 4. By memorising environmental conservation law

Question Type : MCQ

Question ID : 630680819669

Option 1 ID : 6306803210867

Option 2 ID : 6306803210869

Option 3 ID : 6306803210868

Option 4 ID : 6306803210870

Status : Answered

Chosen Option : 3

Marks : 1

Q.197 What does synthesis involve in teaching mathematics?

- Ans
- ☒ 1. Combining ideas to form new sights
 - ☐ 2. Using only one method to solve problems
 - ☐ 3. Avoiding proofs
 - ☐ 4. Memorising theorems

Question Type : MCQ
 Question ID : 630680819658
 Option 1 ID : 6306803210826
 Option 2 ID : 6306803210823
 Option 3 ID : 6306803210824
 Option 4 ID : 6306803210825
 Status : Answered
 Chosen Option : 1
 Marks : 1

Q.198 A(0, -1), B(m, 3), C(6,7) and D(8, 3) are the vertices of a rectangle. AC and BD are diagonals. Find the value of m.

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

Question Type : MCQ
 Question ID : 630680819622
 Option 1 ID : 6306803210682
 Option 2 ID : 6306803210679
 Option 3 ID : 6306803210681
 Option 4 ID : 6306803210680
 Status : Answered
 Chosen Option : 3
 Marks : 1

Q.199 How can teachers address concerns about the overuse of calculators and computers in mathematical teaching?

- Ans
- ☐ 1. By relying solely on traditional tools such as pencil and paper
 - ☐ 2. By using them as the sole method of assessment
 - ☐ 3. By prohibiting their use entirely
 - ☒ 4. By integrating them judiciously and emphasising the importance of mental math and problem-solving strategies

Question Type : MCQ
 Question ID : 630680819672
 Option 1 ID : 6306803210881
 Option 2 ID : 6306803210882
 Option 3 ID : 6306803210879
 Option 4 ID : 6306803210880
 Status : Answered
 Chosen Option : 4
 Marks : 1

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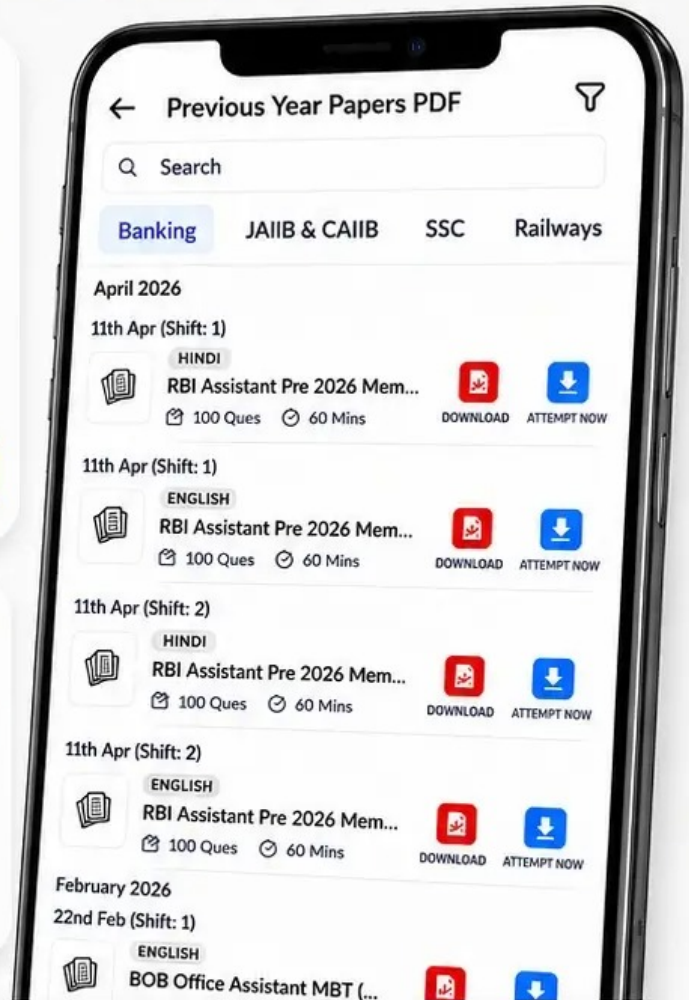
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Q.200

$$\lim_{x \rightarrow 2} \frac{x^3 - 8}{x - 2} \text{ is:}$$

Ans

☐ 1. 0

☐ 2. 8

☒ 3. 12

☐ 4. 16

Question Type : MCQ

Question ID : 630680819607

Option 1 ID : 6306803210622

Option 2 ID : 6306803210619

Option 3 ID : 6306803210620

Option 4 ID : 6306803210621

Status : Answered

Chosen Option : 3

Marks : 1

