

OAVS TGT

**Previous Year Paper
(Mathematics)**

29 Jun, 2024 Shift 1



ALL EXAMS, **ONE** SUBSCRIPTION



Test. Analyze. Improve. Repeat.



*Don't just
prepare.
Perform.*

Test Prime – built only
for mock tests.



1,50,000+
Mock Tests



25,000+
Previous Year
Papers



800+
Exam
Covered



500%
Refund on
Selection



5 lakh+
Free Quizzes



Daily
Free PDFs



Top Alerts
Stay Updated

WHY TEST PRIME?

- ✓ Multilingual
- ✓ Detailed Solution
- ✓ Strong and Weak Areas
- ✓ All India Rankings



Safe & Reliable



Trusted by
Lakhs of Aspirants



Your Success,
Our Mission



**DOWNLOAD
TEST PRIME**

Your Success Partner!



Test

Prime



SUCCESS GALLERY!

MEET THE ACHIEVERS



Shreya, SBI PO



Sahil, SBI PO



Srijita, SBI PO



Vikram, IBPS PO



Neeti, IBPS PO



Arya, IBPS PO



Hasan, SSC CGL



Palak, SSC CGL



Priti, UP TGT



Aniket, Bihar Stet



Shaurya, NTPC



Sarita, CTET



Gourav, NTPC



Sanni, NTPC



Abhishek, CTET



Sapna, IBPS Clerk

THEY DID IT. YOU CAN TOO

READ THEIR STORIES!





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



Participant ID	
Participant Name	
Test Center Name	
Test Date	29/06/2024
Test Time	9:00 AM - 12:20 PM
Subject	TGT Mathematics OMAV
Marks Obtained	

Section : Language Proficiency Test-General English

Q.1 Select the most appropriate adjective to fill the blank.
Nupur strongly believes that her _____ employee takes stationery items from her bag surreptitiously.

- Ans ☒ 1. temporary
 ☒ 2. imminent
 ☒ 3. smothering
 ☒ 4. palpitating

Question Type : MCQ
Question ID : 630680158349
Option 1 ID : 630680612925
Option 2 ID : 630680612924
Option 3 ID : 630680612926
Option 4 ID : 630680612927
Status : Not Answered
Chosen Option : --
Marks : 0

Q.2 Select the most appropriate option to fill in the blank.
Raja doesn't recall the solution of the mathematical problem easily, _____?

- Ans ☒ 1. does he
 ☒ 2. did he
 ☒ 3. do he
 ☒ 4. was she

Question Type : MCQ
Question ID : 630680171728
Option 1 ID : 630680665361
Option 2 ID : 630680665360
Option 3 ID : 630680665359
Option 4 ID : 630680665362
Status : Answered
Chosen Option : 1
Marks : 1

Q.3 Select the most appropriate ANTONYM of the underlined word.

The company's decision to downsize led to the dismissal of many employees.

- Ans
- ☒ 1. ameliorate
 - ☒ 2. promote
 - ☒ 3. expand
 - ☒ 4. advertise

Question Type : MCQ
Question ID : 630680729690
Option 1 ID : 6306802859406
Option 2 ID : 6306802859403
Option 3 ID : 6306802859405
Option 4 ID : 6306802859404
Status : Not Answered
Chosen Option : --
Marks : 0

Q.4 Select the most appropriate option that will improve the underlined part of the given sentence.

The stars, uncovered in the first released images from the James Webb Space Telescope, perhaps glittered from reality about 13 billion years ago.

- Ans
- ☒ 1. glittered opposite reality about
 - ☒ 2. glittered beneath reality about
 - ☒ 3. glittered about reality about
 - ☒ 4. glittered into reality about

Question Type : MCQ
Question ID : 630680164088
Option 1 ID : 630680635490
Option 2 ID : 630680635491
Option 3 ID : 630680635488
Option 4 ID : 630680635489
Status : Answered
Chosen Option : 4
Marks : 1

Q.5 Choose the proverb that suits the given situation most appropriately.

She was sure that her brother would help her to buy a flat of her own. Still, she applied for the home loan, withdrew as much as she could out of her deposits and was even ready to sell her jewellery if it was needed. She was not wise enough to realise that _____.

- Ans
- ☒ 1. empty sacks will never stand upright
 - ☒ 2. One should not put all the eggs in one basket
 - ☒ 3. Empty purse is better than an empty head
 - ☒ 4. empty vessels make the most noise

Question Type : MCQ
Question ID : 630680105562
Option 1 ID : 630680410308
Option 2 ID : 630680410309
Option 3 ID : 630680410307
Option 4 ID : 630680410310
Status : Answered
Chosen Option : 2
Marks : 1

Q.6 Select the INCORRECTLY spelt word.

- Ans ☒ 1. Dillema
☒ 2. Quandary
☒ 3. Conundrum
☒ 4. Enigma

Question Type : MCQ
Question ID : 630680729721
Option 1 ID : 6306802859527
Option 2 ID : 6306802859528
Option 3 ID : 6306802859529
Option 4 ID : 6306802859530
Status : Not Answered
Chosen Option : --
Marks : 0

Q.7 Select the option that expresses the given sentence in passive voice.

Allen examined the government circular.

- Ans ☒ 1. The government circular was being examined by Allen.
☒ 2. The government circular was examined by Allen.
☒ 3. The government circular is been examined by Allen.
☒ 4. The government circular is being examined by Allen.

Question Type : MCQ
Question ID : 630680729394
Option 1 ID : 6306802858252
Option 2 ID : 6306802858253
Option 3 ID : 6306802858255
Option 4 ID : 6306802858254
Status : Answered
Chosen Option : 2
Marks : 1

Q.8 Which word is INCORRECTLY spelt in the given sentence?

She recieved an award for her academic achievements.

- Ans ☒ 1. Academic
☒ 2. Achievements
☒ 3. Recieved
☒ 4. Award

Question Type : MCQ
Question ID : 630680733960
Option 1 ID : 6306802876618
Option 2 ID : 6306802876619
Option 3 ID : 6306802876616
Option 4 ID : 6306802876617
Status : Answered
Chosen Option : 3
Marks : 1

Q.9 Select the most appropriate option to fill in the blank.
I don't need to play football today, _____?

- Ans ☒ 1. do I
☒ 2. will I
☒ 3. am I
☒ 4. did I

Question Type : MCQ
Question ID : 630680156389
Option 1 ID : 630680605222
Option 2 ID : 630680605223
Option 3 ID : 630680605220
Option 4 ID : 630680605221
Status : Answered
Chosen Option : 1
Marks : 1

Q.10 Select the correct indirect narration of the given sentence to fill in the blank.
Malathi teacher said,Complete the assignment.
Malathi teacher _____.

- Ans ☒ 1. instructed to complete the assignment
☒ 2. had instruct to complete the assignment
☒ 3. was instructed to complete the assignment
☒ 4. had been instruct to complete the assignment

Question Type : MCQ
Question ID : 630680729402
Option 1 ID : 6306802858284
Option 2 ID : 6306802858286
Option 3 ID : 6306802858285
Option 4 ID : 6306802858287
Status : Answered
Chosen Option : 1
Marks : 1

Q.11 Select the most appropriate synonym of the underlined word.

Gautama renounced his princely kingdom early in his life to seek spiritual wisdom.

- Ans ☒ 1. obliterated
☒ 2. tendered
☒ 3. forbade
☒ 4. abdicated

Question Type : MCQ
Question ID : 63068069241
Option 1 ID : 630680267643
Option 2 ID : 630680267642
Option 3 ID : 630680267645
Option 4 ID : 630680267644
Status : Not Answered
Chosen Option : --
Marks : 0

Q.12 Select the most appropriate option to fill in the blank.
I wish I _____ educated now.

- Ans
- ☒ 1. are
 - ☒ 2. was
 - ☒ 3. were
 - ☒ 4. am

Question Type : MCQ
Question ID : 630680156776
Option 1 ID : 630680606746
Option 2 ID : 630680606744
Option 3 ID : 630680606747
Option 4 ID : 630680606745
Status : Answered
Chosen Option : 3
Marks : 1

Q.13 Sentences of a paragraph are given below in jumbled order. Arrange the sentences in the correct order to form a meaningful and coherent paragraph.

- 1. Indians work long hours to achieve their goals because they are more driven than ever by personal ambition and a desire for material achievement.
- 2. Indians are frequently portrayed as being highly spiritual individuals who despise worldly values.
- 3. According to our research, this stereotype is no longer accurate.
- 4. For instance, by 1996, nearly 50% of India's urban population had embraced the 'work hard and get rich' mentality; by 2006, another 9% had.

- Ans
- ☒ 1. 1342
 - ☒ 2. 2143
 - ☒ 3. 2341
 - ☒ 4. 1324

Question Type : MCQ
Question ID : 630680155706
Option 1 ID : 630680602563
Option 2 ID : 630680602560
Option 3 ID : 630680602562
Option 4 ID : 630680602561
Status : Not Answered
Chosen Option : --
Marks : 0

Q.14 Select the option that expresses the given sentence in direct speech.
Prem suggested that they go for a walk in the park.

- Ans
- ☒ 1. Prem said "Let's going for a walk in the park."
 - ☒ 2. Prem said, that "Let's will go for a walk in the park."
 - ☒ 3. Prem said that, "Let's be gone for a walk in the park."
 - ☒ 4. Prem said, "Let's go for a walk in the park."

Question Type : MCQ
Question ID : 630680595082
Option 1 ID : 6306802328531
Option 2 ID : 6306802328529
Option 3 ID : 6306802328532
Option 4 ID : 6306802328530
Status : Answered
Chosen Option : 4
Marks : 1

Q.15 Select the most appropriate option to fill in the blank.
He has injured _____ his hands.

- Ans
- ☒ 1. both
 - ☒ 2. none
 - ☒ 3. all
 - ☒ 4. enough

Question Type : MCQ
Question ID : 630680156266
Option 1 ID : 630680604761
Option 2 ID : 630680604762
Option 3 ID : 630680604760
Option 4 ID : 630680604763
Status : Answered
Chosen Option : 1
Marks : 1

Q.16 Select the option that can be used as a one-word substitute for the given group of words.
A government which is mostly run by wealthy and rich people

- Ans
- ☒ 1. Oligarchy
 - ☒ 2. Plutocracy
 - ☒ 3. Ochlocracy
 - ☒ 4. Neocracy

Question Type : MCQ
Question ID : 630680467540
Option 1 ID : 6306801826095
Option 2 ID : 6306801826097
Option 3 ID : 6306801826094
Option 4 ID : 6306801826096
Status : Answered
Chosen Option : 1
Marks : -0.25

Q.17 Select the INCORRECTLY spelt word:

- Ans
- ☒ 1. Gubernatorial
 - ☒ 2. Governor
 - ☒ 3. Government
 - ☒ 4. Governance

Question Type : MCQ
Question ID : 630680711169
Option 1 ID : 6306802786333
Option 2 ID : 6306802786335
Option 3 ID : 6306802786334
Option 4 ID : 6306802786332
Status : Answered
Chosen Option : 4
Marks : 1

Q.18 Select the option that can be used as a one-word substitute for the given group of words.
A belief that is against the principles of a particular religion

- Ans
- ☒ 1. Heresy
 - ☒ 2. Controversy
 - ☒ 3. Convention
 - ☒ 4. Blasphemy

Question Type : MCQ
Question ID : 630680727058
Option 1 ID : 6306802849204
Option 2 ID : 6306802849202
Option 3 ID : 6306802849205
Option 4 ID : 6306802849203
Status : Answered
Chosen Option : 4
Marks : -0.25

Q.19 Select the most appropriate option that can substitute the underlined word in the given sentence.

Several hours have elapsed after he went to the city.

- Ans
- ☒ 1. hence
 - ☒ 2. earlier
 - ☒ 3. before
 - ☒ 4. since

Question Type : MCQ
Question ID : 630680726353
Option 1 ID : 6306802846421
Option 2 ID : 6306802846419
Option 3 ID : 6306802846418
Option 4 ID : 6306802846420
Status : Answered
Chosen Option : 4
Marks : 1

Q.20 The following sentence has been divided into parts. One of them may contain an error. Select the part that contains the error from the given options. If you don't find any error, mark 'No error' as your answer.
These food items / are unfit of / human consumption.

- Ans
- ☒ 1. No error
 - ☒ 2. These food items
 - ☒ 3. human consumption
 - ☒ 4. are unfit of

Question Type : MCQ
Question ID : 630680156768
Option 1 ID : 630680606715
Option 2 ID : 630680606712
Option 3 ID : 630680606714
Option 4 ID : 630680606713
Status : Answered
Chosen Option : 4
Marks : 1

Section : Language Proficiency Test-Odia

Q.21 ନିମ୍ନଲିଖିତ ବାକ୍ୟ ମଧ୍ୟରୁ କେଉଁ ବାକ୍ୟଟି ଭୁଲ?

- Ans
- ☒ 1. ଆମ ଘରେ ସବୁଦିନ କିଲେ ଲେଖାଏଁ ଚାଉଳ ରନ୍ଧା ହୁଏ ।
 - ☒ 2. ଆମ ଘରେ ଦିନ କିଲେ ଚାଉଳ ରନ୍ଧା ହୁଏ ।
 - ☒ 3. ଆମ ଘରେ ଦିନକୁ କିଲେ ଚାଉଳ ରନ୍ଧା ହୁଏ ।
 - ☒ 4. ଆମ ଘରେ ଦିନରେ ଖଇବାକୁ ଭାତ ହୁଏ ।

Question Type : MCQ
Question ID : 630680902978
Option 1 ID : 6306803537586
Option 2 ID : 6306803537585
Option 3 ID : 6306803537583
Option 4 ID : 6306803537584
Status : Answered
Chosen Option : 2
Marks : 1

Q.22 ନିମ୍ନ ବାକ୍ୟ ମଧ୍ୟରୁ କେଉଁଟି କର୍ତ୍ତୃ ବାଚ୍ୟର ଉଦାହରଣ ଚିହ୍ନଟ ଦିଅ ?

- Ans
- ☒ 1. ଚାଙ୍କଡ଼ାଠା ପ୍ରତିଦିନ ପୁରାଣ ପଢ଼ିତ ହୁଏ ।
 - ☒ 2. ଗାୟତ୍ରୀଦ୍ଵାରା ଗୀତ ଗାନ କରାଗଲା ।
 - ☒ 3. ଗାୟତ୍ରୀ ଗୀତ ଗାଇଲା ।
 - ☒ 4. ଆପଣଙ୍କର ବସିବା ହେଉ ।

Question Type : MCQ
Question ID : 630680814156
Option 1 ID : 6306803189844
Option 2 ID : 6306803189843
Option 3 ID : 6306803189841
Option 4 ID : 6306803189842
Status : Answered
Chosen Option : 3
Marks : 1

Q.23 “ବାପା କହିଲେ, ମୁଁ ଆସନ୍ତାକାଲି ପୁରୀ ଯିବି ।”- ଏହାର ପରୋକ୍ଷ ଋକ୍ତି କେଉଁଟି?

- Ans
- ☒ 1. ବାପା କହିଲେ ଯେ ଆସନ୍ତାକାଲି ପୁରୀ ଯାଇଥିଲୁ ।
 - ☒ 2. କହିଲେ ଯେ ବାପା ଆସନ୍ତାକାଲି ପୁରୀ ଯାଉଛି ।
 - ☒ 3. ବାପା କହିଲେ ଯେ ଆମେ ଆସନ୍ତାକାଲି ପୁରୀ ଯାଇଥିଲୁ ।
 - ☒ 4. ବାପା କହିଲେ ଯେ ସେ ଆସନ୍ତାକାଲି ପୁରୀ ଯିବେ ।

Question Type : MCQ
Question ID : 630680903040
Option 1 ID : 6306803537832
Option 2 ID : 6306803537831
Option 3 ID : 6306803537833
Option 4 ID : 6306803537834
Status : Answered
Chosen Option : 4
Marks : 1

Q.24 “ଦେଖିବାକୁ ଇଚ୍ଛା”- ଏକ ପଦରେ ଲେଖ ।

- Ans
- ☒ 1. ଦର୍ଶକ
 - ☒ 2. ଦାର୍ଶନୀକ
 - ☒ 3. ଦିବୁକ୍ଷା
 - ☒ 4. ଦୃଶ୍ୟମାନ

Question Type : MCQ
Question ID : 630680903019
Option 1 ID : 6306803537747
Option 2 ID : 6306803537749
Option 3 ID : 6306803537750
Option 4 ID : 6306803537748
Status : Answered
Chosen Option : 3
Marks : 1

Q.25 ଛାତ୍ରମାନେ ପଠନ ବିରତ ହେବା ଅନୁଚିତ ।- ଏହି ବାକ୍ୟ ସଂଶୋଧନ କରି ଲେଖ ।

- Ans
- ☒ 1. ଛାତ୍ରମାନେ ପଠନକୁ ବିରତ ହେବା ଅନୁଚିତ ।
 - ☒ 2. ଛାତ୍ରମାନେ ପଠନର ବିରତ ହେବା ଅନୁଚିତ ।
 - ☒ 3. ଛାତ୍ରମାନେ ପଠନରୁ ବିରତ ହେବା ଅନୁଚିତ ।
 - ☒ 4. ଛାତ୍ରମାନେ ପଠନଦ୍ୱାରା ବିରତ ହେବା ଅନୁଚିତ ।

Question Type : MCQ
Question ID : 630680903028
Option 1 ID : 6306803537784
Option 2 ID : 6306803537785
Option 3 ID : 6306803537783
Option 4 ID : 6306803537786
Status : Answered
Chosen Option : 3
Marks : 1

Q.26 ଘରେ ବସି ସମୟ _____ କର ନାହିଁ ।

- Ans
- ☒ 1. ଅନର୍ଥ
 - ☒ 2. ନଷ୍ଟ
 - ☒ 3. ଉପାଦାନ
 - ☒ 4. ଅଙ୍ଗୁନ

Question Type : MCQ
Question ID : 630680902990
Option 1 ID : 6306803537634
Option 2 ID : 6306803537632
Option 3 ID : 6306803537633
Option 4 ID : 6306803537631
Status : Answered
Chosen Option : 2
Marks : 1

Q.27 ନିମ୍ନମଧ୍ୟରୁ କେଉଁ ବାକ୍ୟଟି ଶୁଦ୍ଧ ଦର୍ଶାଅ ?

- Ans
- ☒ 1. କୌଶଳ ସମସ୍ତ ନାଟ୍ୟାଭିନୟର ଗ୍ରନ୍ଥଟିରେ ଉପସ୍ଥାପନ କରାଯାଇଛି ।
 - ☒ 2. ନାଟ୍ୟାଭିନୟର ସମସ୍ତ କୌଶଳ ଗ୍ରନ୍ଥଟିରେ କରାଯାଇଛି ଉପସ୍ଥାପନ ।
 - ☒ 3. ଗ୍ରନ୍ଥଟିରେ ଉପସ୍ଥାପନ କରାଯାଇଛି ନାଟ୍ୟାଭିନୟର ସମସ୍ତ କୌଶଳ ।
 - ☒ 4. ନାଟ୍ୟାଭିନୟର ସମସ୍ତ କୌଶଳ ଗ୍ରନ୍ଥଟିରେ ଉପସ୍ଥାପନ କରାଯାଇଛି ।

Question Type : MCQ
Question ID : 630680814170
Option 1 ID : 6306803189897
Option 2 ID : 6306803189899
Option 3 ID : 6306803189900
Option 4 ID : 6306803189898
Status : Answered
Chosen Option : 4
Marks : 1

Q.28 ଗୋବର ଗଣେଶ- ଏହାର ଅର୍ଥ ଲେଖ ।

- Ans
- ☒ 1. ମାଟିଆ ରଙ୍ଗର ଗଣେଶ ।
 - ☒ 2. ଗୋବରରେ ତିଆରି ଗଣେଶ ।
 - ☒ 3. ଗୋବର ଲାଗି ଥିବା ଗଣେଶ ।
 - ☒ 4. ବୁଦ୍ଧିହୀନ

Question Type : MCQ
Question ID : 630680903012
Option 1 ID : 6306803537722
Option 2 ID : 6306803537721
Option 3 ID : 6306803537720
Option 4 ID : 6306803537719
Status : Answered
Chosen Option : 4
Marks : 1

Q.29 ନିମ୍ନଲିଖିତ ବାକ୍ୟ ମଧ୍ୟରୁ କେଉଁ ବାକ୍ୟଟି ଭୁଲ :

- Ans
- ☒ 1. ଗୁରୁ ଶିଷ୍ୟକୁ ସଂଯମ ରକ୍ଷା କରିବା ପାଇଁ ନିର୍ଦ୍ଦେଶ ଦେଲେ ।
 - ☒ 2. ଗୁରୁ ଶିଷ୍ୟକୁ ନିର୍ଦ୍ଦେଶ ଦେଲେ, ତୁମେ ସଂଯମ ରକ୍ଷା କର ।
 - ☒ 3. ସଂଯମ ରକ୍ଷା କରିବା ପାଇଁ ଗୁରୁ ଶିଷ୍ୟକୁ ନିର୍ଦ୍ଦେଶ ଦେଲେ ।
 - ☒ 4. ଗୁରୁ ଶିଷ୍ୟକୁ ସଂଯମତା ରକ୍ଷା କରିବା ପାଇଁ ନିର୍ଦ୍ଦେଶ ଦେଲେ ।

Question Type : MCQ
Question ID : 630680902986
Option 1 ID : 6306803537616
Option 2 ID : 6306803537618
Option 3 ID : 6306803537617
Option 4 ID : 6306803537615
Status : Answered
Chosen Option : 4
Marks : 1

Q.30 ଚାରି ଦଉଡ଼ି କଟା - ଏହାର ଅର୍ଥ ଲେଖ ।

- Ans
- ☒ 1. ଦଉଡ଼ିକୁ କାଟିବା ।
 - ☒ 2. ଲଗାମ ଛଡ଼ା ।
 - ☒ 3. ଦଉଡ଼ିକୁ କାଟି ଚାରି ଖଣ୍ଡ କରିବା ।
 - ☒ 4. ଚାରୋଟି ଦଉଡ଼ିକୁ କାଟିବା ।

Question Type : MCQ
Question ID : 630680903015
Option 1 ID : 6306803537734
Option 2 ID : 6306803537731
Option 3 ID : 6306803537733
Option 4 ID : 6306803537732
Status : Answered
Chosen Option : 2
Marks : 1

Q.31 ସେ ବିଦ୍ୟାଳୟକୁ ଗଲା,_____ ଶିକ୍ଷକଙ୍କୁ ପାଇଲା ନାହିଁ । -ଉପଯୁକ୍ତ ଶବ୍ଦ ଯୋଗରେ ବାକ୍ୟଟିର ଶୁଦ୍ଧ ରୂପ ପ୍ରକାଶ କର ।

- Ans
- ☒ 1. ସର୍ବଦା
 - ☒ 2. ଏପରି
 - ☒ 3. ବାରମ୍ବାର
 - ☒ 4. ମାତ୍ର

Question Type : MCQ
Question ID : 630680814145
Option 1 ID : 6306803189799
Option 2 ID : 6306803189798
Option 3 ID : 6306803189800
Option 4 ID : 6306803189797
Status : Answered
Chosen Option : 4
Marks : 1

Q.32 {ଦେଲେ, ଛେଳିଟିକୁ, କଟାଡ଼ି, ସେଇଠି, ପୁରୋହିତ, ରାସ୍ତାଉପରେ, ଠିଆଠିଆ}-ବାକ୍ୟରେ ପରିଣତ କର ।

- Ans
- ☒ 1. ରାସ୍ତାଉପରେ, ଠିଆଠିଆଦେଲେ, ଛେଳିଟିକୁ, କଟାଡ଼ି, ସେଇଠି, ପୁରୋହିତ,
 - ☒ 2. କଟାଡ଼ି, ସେଇଠି, ପୁରୋହିତ,ଦେଲେ, ଛେଳିଟିକୁ, ରାସ୍ତାଉପରେ, ଠିଆଠିଆ ।
 - ☒ 3. ସେଇଠି, ପୁରୋହିତ, ରାସ୍ତାଉପରେ,ଦେଲେ, ଛେଳିଟିକୁ, କଟାଡ଼ି, ଠିଆଠିଆ ।
 - ☒ 4. ପୁରୋହିତ ସେଇଠି ଛେଳିଟିକୁ ରାସ୍ତା ଉପରେ ଠିଆଠିଆ କଟାଡ଼ି ଦେଲେ ।

Question Type : MCQ
Question ID : 630680903050
Option 1 ID : 6306803537874
Option 2 ID : 6306803537872
Option 3 ID : 6306803537873
Option 4 ID : 6306803537871
Status : Answered
Chosen Option : 4
Marks : 1

Q.33 ହରି ଜଣେ _____ ଛାତ୍ର ।

- Ans
- ☒ 1. ବୁଦ୍ଧିମାନ୍
 - ☒ 2. ବୁଦ୍ଧିବତ
 - ☒ 3. ବୁଦ୍ଧିମତୀ
 - ☒ 4. ବୁଦ୍ଧିମାନୀ

Question Type : MCQ
Question ID : 630680902994
Option 1 ID : 6306803537648
Option 2 ID : 6306803537650
Option 3 ID : 6306803537647
Option 4 ID : 6306803537649
Status : Answered
Chosen Option : 1
Marks : 1

Q.34 'ସୂର୍ଯ୍ୟ'ର ସମାର୍ଥବୋଧକ ଶବ୍ଦଟି କ'ଣ ?

- Ans
- ☒ 1. ବିକିର୍ଣ୍ଣନ
 - ☒ 2. ନକ୍ଷ
 - ☒ 3. ବିଭାବରୀ
 - ☒ 4. ଶପା

Question Type : MCQ
Question ID : 630680814116
Option 1 ID : 6306803189684
Option 2 ID : 6306803189683
Option 3 ID : 6306803189681
Option 4 ID : 6306803189682
Status : Answered
Chosen Option : 1
Marks : 1

Q.35 କମଳ କହିଲା, “କାନ୍ଦିଲେ ଭାଗ୍ୟ ବଦଳି ଯାଏ ନାହିଁ ।” ଏହାର ପରୋକ୍ଷ ଉକ୍ତି କେଉଁଟି?

- Ans
- ✓ 1. କାନ୍ଦିଲେ ଭାଗ୍ୟ ବଦଳି ଯାଏ ନାହିଁ ବୋଲି କମଳ କହିଲା ।
 - ✗ 2. ସେ କହିଲା ଆମେ କାନ୍ଦିଲେ ଭାଗ୍ୟ ବଦଳି ଯିବ ନାହିଁ ।
 - ✗ 3. କାନ୍ଦିଲେ ଭାଗ୍ୟ ବଦଳି ଯାଏ ନାହିଁ ବୋଲି କମଳ କହୁଥିଲା ।
 - ✗ 4. କମଳ କହିଲା ଆମେ କାନ୍ଦିଲେ ଭାଗ୍ୟ ବଦଳି ଯିବ ନାହିଁ ।

Question Type : MCQ
Question ID : 630680903044
Option 1 ID : 6306803537847
Option 2 ID : 6306803537850
Option 3 ID : 6306803537849
Option 4 ID : 6306803537848
Status : Answered
Chosen Option : 1
Marks : 1

Q.36 'ଆଖୁକି ପାଇବା'ରୁଦ୍ଧିର ଅର୍ଥ କ'ଣ ?

- Ans
- ✗ 1. ଆଖୁ ମାରିବା
 - ✗ 2. ମରିବା
 - ✓ 3. ପସନ୍ଦ ହେବା
 - ✗ 4. ଲୋଲୁପ ହୃଷ୍ଟିଦେବା

Question Type : MCQ
Question ID : 630680814127
Option 1 ID : 6306803189726
Option 2 ID : 6306803189725
Option 3 ID : 6306803189727
Option 4 ID : 6306803189728
Status : Answered
Chosen Option : 3
Marks : 1

Q.37 ନିମ୍ନଲିଖିତ ବାକ୍ୟ ମଧ୍ୟରୁ କେଉଁ ବାକ୍ୟଟି ଭୁଲ:

- Ans
- ✓ 1. କାହାର ଧନରତ୍ନ ନଦାନ କଲେ ତାହା ସରିସରି ଆସିଥାଏ?
 - ✗ 2. ଅନ୍ୟର ଧନରତ୍ନକୁ ଦାନ କରିବା ଉଚିତ ନୁହେଁ ।
 - ✗ 3. ଧନରତ୍ନକୁ ଦାନ କଲେ ତାହା ଦିନେ ନା ଦିନେ ନିଶ୍ଚୟ ସରିଯିବ ।
 - ✗ 4. ଅନ୍ୟ ଧନରତ୍ନକୁ ଦାନ କଲେ ତାହା ସରିସରି ଆସିଥାଏ ।

Question Type : MCQ
Question ID : 630680902980
Option 1 ID : 6306803537592
Option 2 ID : 6306803537593
Option 3 ID : 6306803537594
Option 4 ID : 6306803537591
Status : Not Answered
Chosen Option : --
Marks : 0

Q.38 ନିମ୍ନ ବାକ୍ୟ ମଧ୍ୟରୁ କେଉଁଟି କର୍ମ ବାଚ୍ୟର ଉଦାହରଣ ଚିହ୍ନଟ କର ?

- Ans
- ✗ 1. ଆପଣ କୁହନ୍ତୁ ।
 - ✗ 2. ଇଶ୍ଵର ସବୁ ଜାଣନ୍ତି ।
 - ✗ 3. ଆପଣଙ୍କର କହିବା ହେଉ ।
 - ✓ 4. ଇଶ୍ଵରଙ୍କୁ ସବୁ ଜଣା ।

Question Type : MCQ
Question ID : 630680814153
Option 1 ID : 6306803189831
Option 2 ID : 6306803189832
Option 3 ID : 6306803189829
Option 4 ID : 6306803189830
Status : Answered
Chosen Option : 3
Marks : -0.25

Q.39 ନିମ୍ନଲିଖିତ ଶବ୍ଦ ମଧ୍ୟରୁ କେଉଁଟି ସଠିକ୍ ?

- Ans
- ✗ 1. ଆତ୍ମଜିବନୀ
 - ✗ 2. ଆତ୍ମଜୀବନି
 - ✓ 3. ଆତ୍ମଜୀବନୀ
 - ✗ 4. ଆତ୍ମସୀବନୀ

Question Type : MCQ
Question ID : 630680903005
Option 1 ID : 6306803537692
Option 2 ID : 6306803537693
Option 3 ID : 6306803537691
Option 4 ID : 6306803537694
Status : Answered
Chosen Option : 2
Marks : -0.25

Q.40 “ସମୁଦ୍ର”- ଏହାର ପ୍ରତିଶବ୍ଦ ଲେଖ ।

- Ans
- ✗ 1. ଜଳଧର
 - ✗ 2. ଜଳଦ
 - ✓ 3. ସିନ୍ଧୁ
 - ✗ 4. ମହୀ

Question Type : MCQ
Question ID : 630680903001
Option 1 ID : 6306803537677
Option 2 ID : 6306803537675
Option 3 ID : 6306803537676
Option 4 ID : 6306803537678
Status : Answered
Chosen Option : 3
Marks : 1

Q.41 Kasinadhuni Viswanath passed away in February 2023. He was a known _____.

- Ans
- ☒ 1. educationist
 - ☒ 2. lawyer
 - ☒ 3. doctor
 - ☒ 4. film director

Question Type : MCQ
Question ID : 630680315623
Option 1 ID : 6306801228200
Option 2 ID : 6306801228197
Option 3 ID : 6306801228198
Option 4 ID : 6306801228199
Status : Answered
Chosen Option : 4
Marks : 1

Q.42 In July 2022, the Government transformed Banks Board Bureau (BBB), the head-hunter for directors of state-owned banks and financial institutions, into _____ by making some amendments.

- Ans
- ☒ 1. Board of All India Financial Institutions
 - ☒ 2. Financial Services Institutions Bureau
 - ☒ 3. Board of Banks & Financial Institutions
 - ☒ 4. Financial Institutions & Banks Bureau

Question Type : MCQ
Question ID : 630680321181
Option 1 ID : 6306801249438
Option 2 ID : 6306801249439
Option 3 ID : 6306801249437
Option 4 ID : 6306801249440
Status : Answered
Chosen Option : 3
Marks : -0.25

Q.43 Which book has won the International Booker Prize 2022?

- Ans
- ☒ 1. Tomb of Sand
 - ☒ 2. Celestial Bodies
 - ☒ 3. The Books of Jacob
 - ☒ 4. The World Goes On

Question Type : MCQ
Question ID : 630680186571
Option 1 ID : 630680723234
Option 2 ID : 630680723233
Option 3 ID : 630680723235
Option 4 ID : 630680723236
Status : Answered
Chosen Option : 1
Marks : 1

Q.44 Consider the following statements about the SDG Report-2022. Which of these statements are FALSE?
1) India's rank in 2022 was 121 out of 163 countries.
2) India's overall score was 60.3, which is higher than the regional score.
3) India's spillover index score is 99.3, which shows that India's efforts to improve its SDG score have a high negative impact on other countries.
4) India's spillover index is one of the highest in the world.

- Ans ☒ 1. Only 2 and 3
☒ 2. Only 3 and 4
☒ 3. Only 1, 2 and 3
☒ 4. Only 2 and 4

Question Type : MCQ
Question ID : 630680210783
Option 1 ID : 630680817292
Option 2 ID : 630680817291
Option 3 ID : 630680817294
Option 4 ID : 630680817293
Status : Answered
Chosen Option : 3
Marks : -0.25

Q.45 SPMCIL is engaged in the manufacture/production of currency and bank notes, security paper, non-judicial stamp papers, cheques, bonds, etc. What is the full form of 'SPMCIL'?

- Ans ☒ 1. Security Paper Mill and Committee of India Limited
☒ 2. Special Printing Management Committee of India Limited
☒ 3. Security Printing and Minting Corporation of India Limited
☒ 4. Security Policies and Management Corporation of India Limited

Question Type : MCQ
Question ID : 630680303618
Option 1 ID : 6306801181043
Option 2 ID : 6306801181044
Option 3 ID : 6306801181041
Option 4 ID : 6306801181042
Status : Answered
Chosen Option : 3
Marks : 1

Q.46 Which of the following is India's national grid computing initiative for scientific, engineering and socio-economic development?

- Ans ☒ 1. Utkarsh
☒ 2. Ganga
☒ 3. Paalan
☒ 4. GARUDA

Question Type : MCQ
Question ID : 630680303632
Option 1 ID : 6306801181099
Option 2 ID : 6306801181100
Option 3 ID : 6306801181098
Option 4 ID : 6306801181097
Status : Answered
Chosen Option : 1
Marks : -0.25

Q.47 Which of the following statements is/are correct about Tiretta Bazaar cultural monuments and heritage?

- 1. Tiretta Bazaar has been identified and included in the world monuments watch list for 2022.
- 2. Tiretta Bazaar also known as the Old China Market.
- 3. Tiretta Bazaar is situated in Kolkata.

Ans ☒ 1. 1, 2 and 3 are correct
☐ 2. Only 2 is correct
☐ 3. Only 1 is correct
☐ 4. Both 1 and 3 are correct

Question Type : MCQ
Question ID : 630680180636
Option 1 ID : 630680700043
Option 2 ID : 630680700041
Option 3 ID : 630680700040
Option 4 ID : 630680700042
Status : Answered
Chosen Option : 1
Marks : 1

Q.48 _____ organised an opening ceremony for the International Year of Millets 2023 (IYM2023) in Rome, Italy.

Ans ☐ 1. UNDP
☐ 2. COP 15
☒ 3. FAO
☐ 4. World Bank

Question Type : MCQ
Question ID : 630680186612
Option 1 ID : 630680723398
Option 2 ID : 630680723400
Option 3 ID : 630680723397
Option 4 ID : 630680723399
Status : Answered
Chosen Option : 3
Marks : 1

Q.49 According to the WHO's Air Quality Database-2022, what percentage of world population breathes air that exceeds the WHO's air quality limits?

Ans ☒ 1. 99%
☐ 2. 89%
☐ 3. 79%
☐ 4. 81%

Question Type : MCQ
Question ID : 630680210548
Option 1 ID : 630680816352
Option 2 ID : 630680816354
Option 3 ID : 630680816353
Option 4 ID : 630680816351
Status : Answered
Chosen Option : 3
Marks : -0.25

Q.50 In which year was the Statue of Equality inaugurated?

- Ans
- ☒ 1. 2023
 - ☒ 2. 2020
 - ☒ 3. 2021
 - ☒ 4. 2022

Question Type : MCQ
Question ID : 630680303243
Option 1 ID : 6306801179627
Option 2 ID : 6306801179626
Option 3 ID : 6306801179629
Option 4 ID : 6306801179628
Status : Answered
Chosen Option : 4
Marks : 1

Q.51 The Black Sea grain deal in November 2022 was between which two countries?

- Ans
- ☒ 1. India and Ukraine
 - ☒ 2. Russia and Ukraine
 - ☒ 3. India and Russia
 - ☒ 4. Russia and Turkey

Question Type : MCQ
Question ID : 630680195870
Option 1 ID : 630680759925
Option 2 ID : 630680759923
Option 3 ID : 630680759926
Option 4 ID : 630680759924
Status : Answered
Chosen Option : 4
Marks : -0.25

Q.52 In January 2023, who was appointed as the Deputy National Security Adviser in the National Security Council Secretariat for a period of two years?

- Ans
- ☒ 1. Brajesh Mishra
 - ☒ 2. Rajinder Khanna
 - ☒ 3. Vikram Misri
 - ☒ 4. Pankaj Kumar Singh

Question Type : MCQ
Question ID : 630680282999
Option 1 ID : 6306801100127
Option 2 ID : 6306801100129
Option 3 ID : 6306801100130
Option 4 ID : 6306801100128
Status : Answered
Chosen Option : 4
Marks : 1

Q.53 In 2022, the Government has decided to use which of the following fuel standards to combat air pollution?

- Ans ☒ 1. BS VI
☐ 2. BS IV
☐ 3. BS V
☐ 4. BSVII

Question Type : MCQ
Question ID : 630680325600
Option 1 ID : 6306801266739
Option 2 ID : 6306801266737
Option 3 ID : 6306801266738
Option 4 ID : 6306801266740
Status : Answered
Chosen Option : 1
Marks : 1

Q.54 In December 2022, which bank has collaborated with SBI Cards and Payment Services to launch co-brand credit cards for the bank's customers?

- Ans ☐ 1. Central Bank of India
☒ 2. Punjab & Sind Bank
☐ 3. Punjab National Bank
☐ 4. Federal Bank

Question Type : MCQ
Question ID : 630680194375
Option 1 ID : 630680754035
Option 2 ID : 630680754034
Option 3 ID : 630680754033
Option 4 ID : 630680754036
Status : Answered
Chosen Option : 3
Marks : -0.25

Q.55 In January-February 2023, Khelo India Youth Games was organised in which state?

- Ans ☐ 1. Uttar Pradesh
☐ 2. Goa
☒ 3. Madhya Pradesh
☐ 4. West Bengal

Question Type : MCQ
Question ID : 630680600728
Option 1 ID : 6306802350667
Option 2 ID : 6306802350669
Option 3 ID : 6306802350668
Option 4 ID : 6306802350666
Status : Answered
Chosen Option : 1
Marks : -0.25

Q.56 The Union Minister for Social Justice and Empowerment launched a scheme in 2022 to provide high quality free coaching facilities to the Scheduled Caste students for the Civil Services examinations. What is the name of the scheme?

- Ans
- ☒ 1. Narendra Jadhava Centre of Excellence
 - ☒ 2. Jagjivan Ram Centre of Excellence
 - ☒ 3. Dr. Ambedkar Centre of Excellence
 - ☒ 4. Dr. Radhakrishnan Centre of Excellence

Question Type : MCQ
Question ID : 630680170421
Option 1 ID : 630680660278
Option 2 ID : 630680660279
Option 3 ID : 630680660280
Option 4 ID : 630680660277
Status : Answered
Chosen Option : 3
Marks : 1

Q.57 Who has been appointed as the new vice chief of the Indian Air Force in February 2023?

- Ans
- ☒ 1. Dushyant Singh
 - ☒ 2. Sandeep Singh
 - ☒ 3. A P Singh
 - ☒ 4. Rakesh Kumar Singh

Question Type : MCQ
Question ID : 630680282995
Option 1 ID : 6306801100113
Option 2 ID : 6306801100111
Option 3 ID : 6306801100112
Option 4 ID : 6306801100114
Status : Answered
Chosen Option : 4
Marks : -0.25

Q.58 The National Health Authority or the NHA is responsible for implementing India's flagship public health insurance/assurance scheme Ayushman Bharat Pradhan Mantri Jan Arogya Yojana. Who was appointed as Director in January 2023?

- Ans
- ☒ 1. Praveen Sharma
 - ☒ 2. Alok Shukla
 - ☒ 3. Dr Indu Bhushan
 - ☒ 4. Basant Garg

Question Type : MCQ
Question ID : 630680465499
Option 1 ID : 6306801818031
Option 2 ID : 6306801818032
Option 3 ID : 6306801818033
Option 4 ID : 6306801818034
Status : Answered
Chosen Option : 2
Marks : -0.25

Q.59 'Exercise Pitch Black-2022', in which India also took part, was organised by:

- Ans ☒ 1. Brazil
☒ 2. Germany
☒ 3. Australia
☒ 4. France

Question Type : MCQ
Question ID : 630680210570
Option 1 ID : 630680816442
Option 2 ID : 630680816440
Option 3 ID : 630680816439
Option 4 ID : 630680816441
Status : Answered
Chosen Option : 3
Marks : 1

Q.60 Who won the Nobel Peace Prize 2022?

- Ans ☒ 1. Maria Ressa
☒ 2. Ales Bialiatski
☒ 3. Morten Meldal
☒ 4. Annie Ernaux

Question Type : MCQ
Question ID : 630680186576
Option 1 ID : 630680723253
Option 2 ID : 630680723254
Option 3 ID : 630680723255
Option 4 ID : 630680723256
Status : Answered
Chosen Option : 4
Marks : -0.25

Q.61 The Reserve Bank of India (RBI) launched its Medium-Term Strategy Framework, for the period of 2023-2025, titled _____.

- Ans ☒ 1. Positive Pay
☒ 2. BEAWARE
☒ 3. Amrit 2.0
☒ 4. Utkarsh 2.0

Question Type : MCQ
Question ID : 630680303254
Option 1 ID : 6306801179671
Option 2 ID : 6306801179673
Option 3 ID : 6306801179670
Option 4 ID : 6306801179672
Status : Answered
Chosen Option : 3
Marks : -0.25

Q.62 International Day for Monuments and Sites was celebrated by Archaeological Survey of India on which of the following days?

- Ans
- ☒ 1. 18 June 2022
 - ☒ 2. 18 October 2022
 - ☒ 3. 18 May 2022
 - ☒ 4. 18 April 2022

Question Type : MCQ
Question ID : 630680304918
Option 1 ID : 6306801186222
Option 2 ID : 6306801186223
Option 3 ID : 6306801186221
Option 4 ID : 6306801186224
Status : Answered
Chosen Option : 3
Marks : -0.25

Q.63 Who among the following was appointed as the 16th Attorney-General of India in October 2022?

- Ans
- ☒ 1. Unnam Muralidhar Rao
 - ☒ 2. R Subramanian
 - ☒ 3. R Venkataramani
 - ☒ 4. Mahesh Jethmalani

Question Type : MCQ
Question ID : 630680195050
Option 1 ID : 630680756692
Option 2 ID : 630680756689
Option 3 ID : 630680756691
Option 4 ID : 630680756690
Status : Answered
Chosen Option : 3
Marks : 1

Q.64 The India Australia Economic Cooperation and Trade Agreement came into force on which date?

- Ans
- ☒ 1. 1 January 2023
 - ☒ 2. 2 April 2022
 - ☒ 3. 1 June 2022
 - ☒ 4. 29 December 2022

Question Type : MCQ
Question ID : 630680194369
Option 1 ID : 630680754012
Option 2 ID : 630680754009
Option 3 ID : 630680754010
Option 4 ID : 630680754011
Status : Answered
Chosen Option : 2
Marks : -0.25

Q.65 Who has been elected as the Vice-Chair of the UN Panel of External Auditors during the sixty-third session held at the UN headquarters at New York in November 2023?

- Ans
- ☒ 1. Shashi Kant Sharma
 - ☒ 2. Rajiv Mehrishi
 - ☒ 3. Girish Chandra Murmu
 - ☒ 4. Vinod Rai

Question Type : MCQ
Question ID : 630680594864
Option 1 ID : 6306802327578
Option 2 ID : 6306802327577
Option 3 ID : 6306802327579
Option 4 ID : 6306802327580
Status : Answered
Chosen Option : 3
Marks : 1

Q.66 According to the 'World Social Protection Report 2020-22', what percentage of the world population had effective access to at least one social protection benefit?

- Ans
- ☒ 1. 45%
 - ☒ 2. 43%
 - ☒ 3. 44%
 - ☒ 4. 47%

Question Type : MCQ
Question ID : 630680212285
Option 1 ID : 630680823283
Option 2 ID : 630680823286
Option 3 ID : 630680823285
Option 4 ID : 630680823284
Status : Answered
Chosen Option : 3
Marks : -0.25

Q.67 Former Deputy Prime Minister of India Mr. LK Advani was conferred with the Bharat Ratna in which of the following years?

- Ans
- ☒ 1. 2024
 - ☒ 2. 2023
 - ☒ 3. 2021
 - ☒ 4. 2022

Question Type : MCQ
Question ID : 630680594871
Option 1 ID : 6306802327609
Option 2 ID : 6306802327610
Option 3 ID : 6306802327612
Option 4 ID : 6306802327611
Status : Answered
Chosen Option : 1
Marks : 1

Q.68 Indian Airforce conducted bilateral defence exercise _____ in October-November 2022 at the Air Force Station, Jodhpur with French Air & Space Force (FASF).

- Ans
- ☒ 1. Garuda VI
 - ☒ 2. Garuda V
 - ☒ 3. Garuda-VII
 - ☒ 4. Garuda IV

Question Type : MCQ
Question ID : 630680314439
Option 1 ID : 6306801223558
Option 2 ID : 6306801223559
Option 3 ID : 6306801223557
Option 4 ID : 6306801223560
Status : Answered
Chosen Option : 4
Marks : -0.25

Q.69 Which of the following organisations has launched 'Operation Megh Chakra',a pan-India drive against circulation and sharing of child sexual abuse material?

- Ans
- ☒ 1. Central Bureau of Investigation
 - ☒ 2. Enforcement Directorate of India
 - ☒ 3. Central Board of Film Certification
 - ☒ 4. Narcotics Control Bureau of India

Question Type : MCQ
Question ID : 630680210578
Option 1 ID : 630680816471
Option 2 ID : 630680816473
Option 3 ID : 630680816474
Option 4 ID : 630680816472
Status : Answered
Chosen Option : 1
Marks : 1

Q.70 In May 2022, 'HANSA-NG', a new-generation two-seater flying trainer aircraft designed and developed by _____, passed an in-flight engine relight test.

- Ans
- ☒ 1. ATI
 - ☒ 2. IISc
 - ☒ 3. CSIR-NAL
 - ☒ 4. HAL

Question Type : MCQ
Question ID : 630680324451
Option 1 ID : 6306801262284
Option 2 ID : 6306801262283
Option 3 ID : 6306801262281
Option 4 ID : 6306801262282
Status : Answered
Chosen Option : 4
Marks : -0.25

Q.71 This question is based on the following words.

JET LAG RUM PIN

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. Four
 - ☒ 2. Two
 - ☒ 3. One
 - ☒ 4. Three

Question Type : MCQ
Question ID : 630680723495
Option 1 ID : 6306802835175
Option 2 ID : 6306802835176
Option 3 ID : 6306802835177
Option 4 ID : 6306802835174
Status : Answered
Chosen Option : 2
Marks : 1

Q.72 Based on the English alphabetical order, three of the following 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 man out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans
- ☒ 1. IE-HK
 - ☒ 2. RN-QT
 - ☒ 3. LH-KM
 - ☒ 4. OK-NQ

Question Type : MCQ
Question ID : 630680531224
Option 1 ID : 6306802076710
Option 2 ID : 6306802076712
Option 3 ID : 6306802076709
Option 4 ID : 6306802076711
Status : Answered
Chosen Option : 3
Marks : 1

Q.73 Eight persons are sitting in two parallel rows containing 4 personseach in such a way that there is equal distance between adjacent persons. In row 1, E, F, G and H are seated and all of them are facing south. In row 2, Q, R, S and T are seated and all of them are facing north. Thus, each person faces another person from the other row. T sits to the immediate right of R. Only two people sit between G and E. R faces G. The one who faces H, sits to the immediate left of S. Q doesn't sit at any of the extreme ends. Which of the following represents both people facing each other?

- Ans
- ☒ 1. S,G
 - ☒ 2. S,F
 - ☒ 3. R,T
 - ☒ 4. H,Q

Question Type : MCQ
Question ID : 630680421935
Option 1 ID : 6306801646183
Option 2 ID : 6306801646181
Option 3 ID : 6306801646182
Option 4 ID : 6306801646180
Status : Answered
Chosen Option : 4
Marks : 1

Q.74 Eight people are sitting in two parallel rows containing 4 people each in such a way that there is equal distance between adjacent persons.
In row 1 – A, B, C and D are seated and all of them are facing south.
In row 2 – P, Q, R and S are seated and all of them are facing north.
Thus each person faces another person from the other row.
D sits third to the right of B. The one facing P is an immediate neighbour of B. The one facing C is an immediate neighbour of P. The one facing D is an immediate neighbour of Q. R sits someplace to the left of S. Who faces C?

- Ans
- ☒ 1. R
 - ☒ 2. P
 - ☒ 3. S
 - ☒ 4. Q

Question Type : MCQ
Question ID : 630680539853
Option 1 ID : 6306802110514
Option 2 ID : 6306802110512
Option 3 ID : 6306802110515
Option 4 ID : 6306802110513
Status : Answered
Chosen Option : 4
Marks : 1

Q.75 Identify the figure given in the options which when put in place of the question mark (?) will logically complete the series.

Ans

✓ 1.

✗ 2.

✗ 3.

✗ 4.

Question Type : MCQ

Question ID : 630680721139

Option 1 ID : 6306802825917

Option 2 ID : 6306802825918

Option 3 ID : 6306802825916

Option 4 ID : 6306802825915

Status : Answered

Chosen Option : 1

Marks : 1

Q.76 In a certain code language, 'learn to stay happy' is coded as 'ja sc vo pe', 'get them to study' is coded as 'li lx ja bm', and 'travelling makes them happy' is coded as 'pe lx kz ta'. What is the possible code for 'makes' in that language?

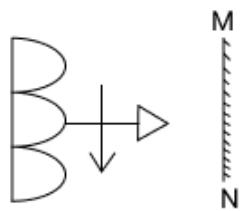
(All the codes are two letter coded only,)

- Ans
- ✗ 1. 'kz'
 - ✗ 2. Either 'lx' or 'pe'
 - ✓ 3. Either 'ta' or 'kz'
 - ✗ 4. 'pe'

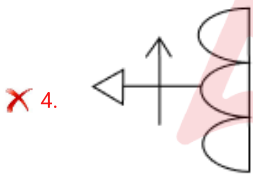
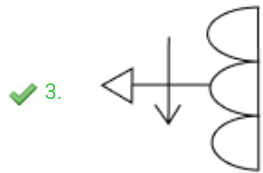
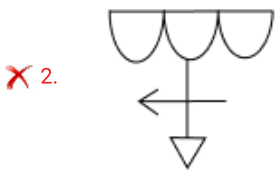
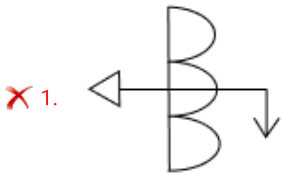
Question Type : MCQ
Question ID : 630680544943
Option 1 ID : 6306802130527
Option 2 ID : 6306802130530
Option 3 ID : 6306802130528
Option 4 ID : 6306802130529
Status : Answered
Chosen Option : 3
Marks : 1



Q.77 Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.



Ans



Question Type : MCQ
Question ID : 630680721456
Option 1 ID : 6306802827160
Option 2 ID : 6306802827159
Option 3 ID : 6306802827161
Option 4 ID : 6306802827162
Status : Answered
Chosen Option : 3
Marks : 1

Q.78 What should come in place of '?' in the given series?

11, 16, 26, 41, 61 ?

- Ans
- ☒ 1. 84
 - ☒ 2. 82
 - ☒ 3. 86
 - ☒ 4. 88

Question Type : MCQ

Question ID : 630680717146

Option 1 ID : 6306802810193

Option 2 ID : 6306802810194

Option 3 ID : 6306802810192

Option 4 ID : 6306802810195

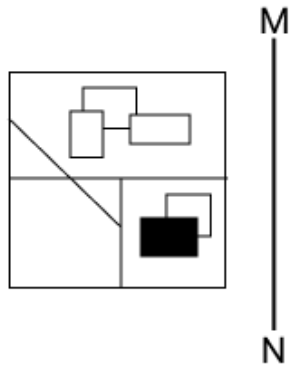
Status : Answered

Chosen Option : 3

Marks : 1



Q.79 Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.



Ans

- ✓ 1.
- ✗ 2.
- ✗ 3.
- ✗ 4.

Question Type : MCQ
Question ID : 630680550142
Option 1 ID : 6306802150833
Option 2 ID : 6306802150834
Option 3 ID : 6306802150831
Option 4 ID : 6306802150832
Status : Answered
Chosen Option : 1
Marks : 1

Q.80 In the following series, only one letter-cluster is incorrect. Select the incorrect letter-cluster.

XQS VOQ TMO RKM PIL NGI

- Ans
- ☒ 1. VOQ
 - ☒ 2. RKM
 - ☒ 3. PIL
 - ☒ 4. TMO

Question Type : MCQ
Question ID : 630680531122
Option 1 ID : 6306802076302
Option 2 ID : 6306802076304
Option 3 ID : 6306802076301
Option 4 ID : 6306802076303
Status : Answered
Chosen Option : 3
Marks : 1

Q.81 Read the given statements and conclusions carefully. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. You have to decide which conclusion/s logically follow/s from the given statements.

Statements:
All trousers are pants.
All pants are shirts.
Some pants are watches.

Conclusions:
(I) Some shirts are watches.
(II) Some trousers are watches.

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

Question Type : MCQ
Question ID : 630680539865
Option 1 ID : 6306802110560
Option 2 ID : 6306802110561
Option 3 ID : 6306802110562
Option 4 ID : 6306802110563
Status : Answered
Chosen Option : 1
Marks : 1

Q.82 Each of P, Q, R, S, T, U and V has an exam on a different day of a week starting from Monday and ending on Sunday of the same week.
Only two people have exams after P. Only three people have exams between V and P. Q has the exam before T but after P. U has the exam before R but after S.
How many people have exams between T and U?

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

Question Type : MCQ
Question ID : 630680722418
Option 1 ID : 6306802830939
Option 2 ID : 6306802830942
Option 3 ID : 6306802830941
Option 4 ID : 6306802830940
Status : Answered
Chosen Option : 1
Marks : 1

Q.83 Refer to the following letter, number, symbol series and answer the question.
(left) A # 1 * + B - D 6 7 K % @ & Y 3 (right)
How many such symbols are there which are immediately preceded by an letter and also immediate followed by a number?

- Ans ☐ 1. None
☐ 2. Three
☐ 3. Two
☒ 4. One

Question Type : MCQ
Question ID : 630680394259
Option 1 ID : 6306801537326
Option 2 ID : 6306801537329
Option 3 ID : 6306801537328
Option 4 ID : 6306801537327
Status : Answered
Chosen Option : 4
Marks : 1

Q.84 Each of P, Q, R, S, T, U and V has an exam on a different day of a week starting from Monday and ending on Sunday of the same week.
U has an exam on Wednesday. Exactly 3 people have an exam between U and S. Q has an exam immediately after R and T has an exam immediately before R. Only 3 people have an exam between P and R.
Who has an exam on Sunday?

- Ans ☒ 1. S
☒ 2. V
☒ 3. T
☒ 4. P

Question Type : MCQ
Question ID : 630680717022
Option 1 ID : 6306802809692
Option 2 ID : 6306802809695
Option 3 ID : 6306802809694
Option 4 ID : 6306802809693
Status : Answered
Chosen Option : 1
Marks : 1

Q.85 Based on the English alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that 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. EOJ
☒ 2. KUP
☒ 3. PYS
☒ 4. HRM

Question Type : MCQ
Question ID : 630680508319
Option 1 ID : 6306801986596
Option 2 ID : 6306801986594
Option 3 ID : 6306801986593
Option 4 ID : 6306801986595
Status : Answered
Chosen Option : 3
Marks : 1

Q.86 Carl starts from point A and drives 10 km towards east. He then takes a right turn and drives 5 km. He takes a final right turn and drives 8 km and stops at point B. Peter starts from point P, which is 12 km east of Point A, and drives 3 km towards east. He then takes a right turn and drives 5 km. He takes a final left turn and drives 2 km and stops at Point Q. What is the shortest distance between Point Q and Point B? (All turns are 90° turns only.)

- Ans
- ✓ 1. 15 km
 - ✗ 2. 13 km
 - ✗ 3. 12 km
 - ✗ 4. 14 km

Question Type : MCQ
Question ID : 630680720170
Option 1 ID : 6306802822119
Option 2 ID : 6306802822117
Option 3 ID : 6306802822116
Option 4 ID : 6306802822118
Status : Answered
Chosen Option : 1
Marks : 1

Q.87 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 shirts are jackets.
All jackets are coats.
No jacket is a jumper.

Conclusions:
(I): No coat is a jumper.
(II): No shirt is a jumper.

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

Question Type : MCQ
Question ID : 630680717077
Option 1 ID : 6306802809919
Option 2 ID : 6306802809918
Option 3 ID : 6306802809916
Option 4 ID : 6306802809917
Status : Answered
Chosen Option : 3
Marks : 1

Q.88 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 ovens are speakers.
All ovens are boxes.
All ovens are curtains.

Conclusions:
(I) All speakers are curtains.
(II) Some curtains are boxes.

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

Question Type : MCQ
Question ID : 630680720183
Option 1 ID : 6306802822169
Option 2 ID : 6306802822171
Option 3 ID : 6306802822170
Option 4 ID : 6306802822168
Status : Answered
Chosen Option : 1
Marks : 1

Q.89 In a certain code language,
'is tomorrow a holiday' is coded as 'kb wo vg hv',
'holiday is good fun' is coded as 'fu kb sm vg',
'good health is essential' is coded as 'vg mc rp sm' and
'health and wealth together' is coded as 'cy zt gd rp'
(all the codes are two-letter coded only).
What is the possible code for 'good fun'?

- Ans ☒ 1. kb vg
☒ 2. vg fu
☒ 3. sm fu
☒ 4. kb sm

Question Type : MCQ
Question ID : 630680722576
Option 1 ID : 6306802831573
Option 2 ID : 6306802831575
Option 3 ID : 6306802831572
Option 4 ID : 6306802831574
Status : Answered
Chosen Option : 3
Marks : 1

Q.90 Select the triad, which follows the same pattern as that followed by the two triads given below. Both triads follow the same pattern.

CJ-FM-HK
FM-IP-KN

- Ans
- ✗ 1. JP-KS-NR
 - ✗ 2. IP-LS-NR
 - ✗ 3. JP-LS-NR
 - ✓ 4. IP-LS-NQ

Question Type : MCQ
Question ID : 630680717138
Option 1 ID : 6306802810163
Option 2 ID : 6306802810161
Option 3 ID : 6306802810162
Option 4 ID : 6306802810160
Status : Answered
Chosen Option : 4
Marks : 1

Q.91 What should come in place of the question mark (?) in the given series?

16 24 40 72 136 ?

- Ans
- ✗ 1. 262
 - ✗ 2. 263
 - ✓ 3. 264
 - ✗ 4. 276

Question Type : MCQ
Question ID : 630680720283
Option 1 ID : 6306802822543
Option 2 ID : 6306802822544
Option 3 ID : 6306802822545
Option 4 ID : 6306802822546
Status : Answered
Chosen Option : 3
Marks : 1

Q.92 QWDV is related to XBWQ in a certain way based on the English alphabetical order. In the same way, SQBB is related to ZVUW. To which of the following options is NFGM related, following the same logic?

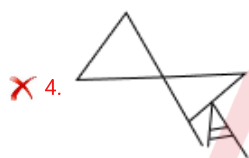
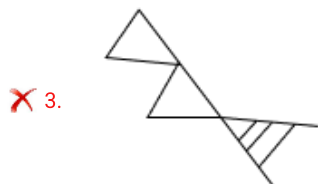
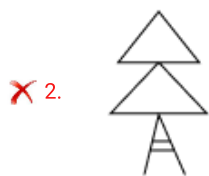
- Ans
- ✗ 1. UKHZ
 - ✗ 2. UZHK
 - ✓ 3. UKZH
 - ✗ 4. UZKH

Question Type : MCQ
Question ID : 630680720262
Option 1 ID : 6306802822464
Option 2 ID : 6306802822465
Option 3 ID : 6306802822463
Option 4 ID : 6306802822466
Status : Answered
Chosen Option : 1
Marks : -0.25

Q.93 Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.



Ans



Question Type : MCQ

Question ID : 630680721487

Option 1 ID : 6306802827271

Option 2 ID : 6306802827272

Option 3 ID : 6306802827274

Option 4 ID : 6306802827273

Status : Answered

Chosen Option : 1

Marks : 1

Q.94 In a certain code language,
'A + B' means 'A is the son of B',
'A - B' means 'A is the brother of B',
'A x B' means 'A is the wife of B',
'A ÷ B' means 'A is the father of B'.

Which of the following means that U is the mother's brother's son of Z?

- Ans ☒ 1. $U + V - W \times Y \div Z$
 ☐ 2. $U + V - W \times Y - Z$
 ☐ 3. $U + V - W \times Y + Z$
 ☐ 4. $U + V - W + Y \div Z$

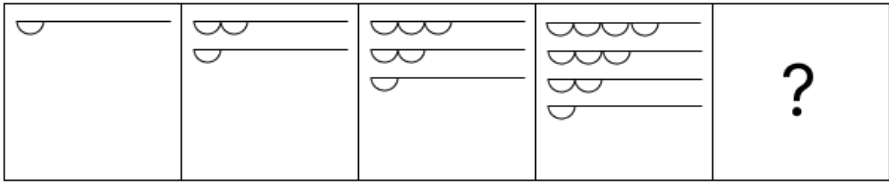
Question Type : MCQ
Question ID : 630680717067
Option 1 ID : 6306802809876
Option 2 ID : 6306802809879
Option 3 ID : 6306802809877
Option 4 ID : 6306802809878
Status : Answered
Chosen Option : 1
Marks : 1

Q.95 EFHD is related to JKMI in a certain way based on the English alphabetical order. In the same way, HIKG is related to MNPL. To which of the given options is KLNJ related, following the same logic?

- Ans ☐ 1. PQOS
 ☐ 2. QPOS
 ☒ 3. PQSO
 ☐ 4. QPSO

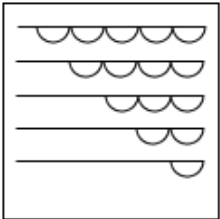
Question Type : MCQ
Question ID : 630680717117
Option 1 ID : 6306802810077
Option 2 ID : 6306802810079
Option 3 ID : 6306802810076
Option 4 ID : 6306802810078
Status : Answered
Chosen Option : 3
Marks : 1

Q.96 Identify the figure given in the options which when put in place of the question mark (?) will logically complete the series.

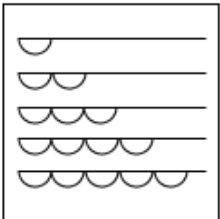


Ans

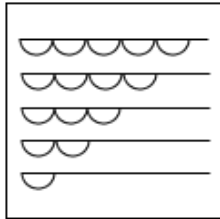
✗ 1.



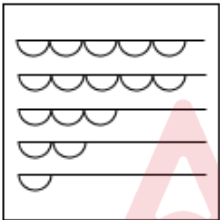
✗ 2.



✓ 3.



✗ 4.



Question Type : MCQ
Question ID : 630680721135
Option 1 ID : 6306802825899
Option 2 ID : 6306802825901
Option 3 ID : 6306802825900
Option 4 ID : 6306802825902
Status : Answered
Chosen Option : 3
Marks : 1

Q.97 Following is a statement and its possible courses of action. The answers hold options regarding which course of action correctly follows the statement. Select the correct answer.
Statement: Saxena wants to quit his job at BPO and start his own business of footwear.
Courses of action:
(i) Saxena must plan beforehand, the details of starting a footwear business.
(ii) Saxena must arrange money to start his own business.
(iii) Saxena must quit the idea of business and pursue another dream.

- Ans ☒ 1. Both actions (i) and (ii) follow.
- ☐ 2. Only action (i) follows.
- ☐ 3. Only action (ii) follows.
- ☐ 4. Both actions (ii) and (iii) follow.

Question Type : MCQ
Question ID : 630680127956
Option 1 ID : 630680495935
Option 2 ID : 630680495932
Option 3 ID : 630680495933
Option 4 ID : 630680495934
Status : Answered
Chosen Option : 1
Marks : 1

Q.98 This question is based on the following words.

WON SEW HAT CUB

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

Question Type : MCQ
Question ID : 630680723493
Option 1 ID : 6306802835169
Option 2 ID : 6306802835167
Option 3 ID : 6306802835168
Option 4 ID : 6306802835166
Status : Answered
Chosen Option : 3
Marks : 1

Q.99 In the following series, only one letter-cluster is incorrect. Select the incorrect letter-cluster.

SUX QSW OQT MOR KMP IKN

- Ans ☒ 1. QSW
☐ 2. KMP
☐ 3. MOR
☐ 4. OQT

Question Type : MCQ
Question ID : 630680531124
Option 1 ID : 6306802076309
Option 2 ID : 6306802076312
Option 3 ID : 6306802076311
Option 4 ID : 6306802076310
Status : Answered
Chosen Option : 1
Marks : 1

Q.100 Select the triad which follows the same pattern as that followed by the two triads given below. Both triads follow the same pattern.

EA-FB-HJ
IE-JF-LN

- Ans ☐ 1. KH-NJ-OR
☐ 2. KG-NJ-PR
☐ 3. LH-NI-OR
☒ 4. LH-MI-OQ

Question Type : MCQ
Question ID : 630680508262
Option 1 ID : 6306801986347
Option 2 ID : 6306801986348
Option 3 ID : 6306801986346
Option 4 ID : 6306801986345
Status : Answered
Chosen Option : 4
Marks : 1

Q.101 Some of the latest ICT technologies like, OERs, MOOC, Free and Open Source Software (FOSS) assist various stakeholders to professionally update and help in career development. In the same context, which of the following is the full form of MOOC?

- Ans
- ☒ 1. Multi Operative Online Curriculum
 - ☒ 2. Multi Open Online Course
 - ☒ 3. Multi Operative Online Course
 - ☒ 4. Massive Open Online Course

Question Type : MCQ
Question ID : 630680879658
Option 1 ID : 6306803445289
Option 2 ID : 6306803445287
Option 3 ID : 6306803445286
Option 4 ID : 6306803445288
Status : Answered
Chosen Option : 1
Marks : -0.25

Q.102 Which of the following is the correct sequence of the four step process to solve word problems involving numbers, percentages, rectangles, supplementary angles, complementary angles, consecutive integers and breaking even, etc?

- Ans
- ☒ 1. Look back → Understand the problem → Devise a plan → Carry out the plan →
 - ☒ 2. Understand the problem → Devise a plan → Look back → Carry out the plan
 - ☒ 3. Understand the problem → Devise a plan → Carry out the plan → Look back
 - ☒ 4. Devise a plan → Understand the problem → Carry out the plan → Look back

Question Type : MCQ
Question ID : 630680879527
Option 1 ID : 6306803444763
Option 2 ID : 6306803444765
Option 3 ID : 6306803444764
Option 4 ID : 6306803444766
Status : Answered
Chosen Option : 3
Marks : 1

Q.103 If the surface area of a sphere is 113.04 sq cm, then its volume is ____ cu cm. (Use $\pi = 3.14$)

- Ans
- ☒ 1. 339.12
 - ☒ 2. 56.52
 - ☒ 3. 113.04
 - ☒ 4. 37.68

Question Type : MCQ
Question ID : 630680853088
Option 1 ID : 6306803341261
Option 2 ID : 6306803341259
Option 3 ID : 6306803341260
Option 4 ID : 6306803341258
Status : Answered
Chosen Option : 3
Marks : 1

Q.104 Use Euclid's division algorithm to find the HCF of 230 and 60.

- Ans
- ☒ 1. 1
 - ☒ 2. 30
 - ☒ 3. 10
 - ☒ 4. 8

Question Type : MCQ

Question ID : 630680842855

Option 1 ID : 6306803301470

Option 2 ID : 6306803301471

Option 3 ID : 6306803301469

Option 4 ID : 6306803301468

Status : Answered

Chosen Option : 3

Marks : 1

Q.105

If the determinants of the matrix $\begin{bmatrix} 1 & 2 & 1 \\ 3 & x & -1 \\ 4 & 1 & -3 \end{bmatrix}$ is zero, then find the value of x.

- Ans
- ☒ 1. 1
 - ☒ 2. 2
 - ☒ 3. 10
 - ☒ 4. 8

Question Type : MCQ

Question ID : 630680842899

Option 1 ID : 6306803301644

Option 2 ID : 6306803301645

Option 3 ID : 6306803301646

Option 4 ID : 6306803301647

Status : Answered

Chosen Option : 1

Marks : -0.25

Q.106 $f(x) = \begin{cases} ax^2 - 19x + a, & x < 0 \\ 12, & x = 0 \\ 7 - b, & x > 0 \end{cases}$ is continuous on $\mathbb{R}$. Then values for a and b are _____ respectively.

- Ans
- ✓ 1. 12 and -5,
 - ✗ 2. -5 and 19,
 - ✗ 3. 12 and 5,
 - ✗ 4. 5 and -12,

Question Type : MCQ
Question ID : 630680844684
Option 1 ID : 6306803308659
Option 2 ID : 6306803308661
Option 3 ID : 6306803308658
Option 4 ID : 6306803308660
Status : Answered
Chosen Option : 1
Marks : 1

Q.107 Simplify:
 $\frac{\sqrt{7} + \sqrt{3}}{\sqrt{7} - \sqrt{3}} - \frac{\sqrt{21}}{2}$

- Ans
- ✗ 1. 1.25
 - ✗ 2. 0.5
 - ✓ 3. 2.5
 - ✗ 4. 1

Question Type : MCQ
Question ID : 630680842783
Option 1 ID : 6306803301194
Option 2 ID : 6306803301193
Option 3 ID : 6306803301192
Option 4 ID : 6306803301195
Status : Answered
Chosen Option : 3
Marks : 1

Q.108 Solve $9x - 5 \leq 7x + 3$, where x is a real number.

- Ans
- ☒ 1. $x \in (-\infty, 4)$
 - ☒ 2. $x \in (-\infty, \infty)$
 - ☒ 3. $x \in (-\infty, 4]$
 - ☒ 4. $x \in (0, 4)$

Question Type : MCQ
Question ID : 630680843237
Option 1 ID : 6306803302963
Option 2 ID : 6306803302961
Option 3 ID : 6306803302964
Option 4 ID : 6306803302962
Status : Answered
Chosen Option : 3
Marks : 1

Q.109 Which of the following is the first step to solving a mathematical problem?

- Ans
- ☒ 1. Work backwards
 - ☒ 2. Use analogy
 - ☒ 3. Try to recognise something familiar
 - ☒ 4. Understand the problem

Question Type : MCQ
Question ID : 630680879537
Option 1 ID : 6306803444804
Option 2 ID : 6306803444806
Option 3 ID : 6306803444805
Option 4 ID : 6306803444803
Status : Answered
Chosen Option : 4
Marks : 1

Q.110 In Assessing progress and performance, _____ looks back and makes a judgment on what has already been learnt. _____ is more informal and diagnostic in nature.

- Ans
- ☒ 1. summative assessment; formative assessment
 - ☒ 2. formative assessment; formative assessment
 - ☒ 3. formative assessment; summative assessment
 - ☒ 4. summative assessment; summative assessment

Question Type : MCQ
Question ID : 630680879716
Option 1 ID : 6306803445520
Option 2 ID : 6306803445518
Option 3 ID : 6306803445519
Option 4 ID : 6306803445521
Status : Answered
Chosen Option : 1
Marks : 1

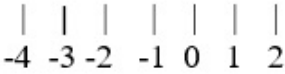
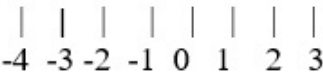
Q.111 Simplify:

$2.\overline{5} + 2.\overline{8} - 1.\overline{6} - 3.\overline{26}$

- Ans
- ✓ 1. $\frac{17}{33}$
 - ✗ 2. $-\frac{5}{9}$
 - ✗ 3. $\frac{25}{33}$
 - ✗ 4. $\frac{50}{99}$

Question Type : MCQ
Question ID : 630680842805
Option 1 ID : 6306803301278
Option 2 ID : 6306803301279
Option 3 ID : 6306803301277
Option 4 ID : 6306803301276
Status : Answered
Chosen Option : 1
Marks : 1

Q.112 If $\frac{x-1}{2} \geq \frac{x-3}{3}$, then the representation of the solution is:

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

Question Type : MCQ
Question ID : 63068091712
Option 1 ID : 630680355583
Option 2 ID : 630680355585
Option 3 ID : 630680355584
Option 4 ID : 630680355582
Status : Answered
Chosen Option : 4
Marks : 1

Q. Select the correct statements about Trigonometric functions from the ones given below.

- 1 A. The domain and range of Sine and Cosine functions are $\mathbb{R}$ and $[-1, 1]$, respectively.
 1 B. The domain and range of tangent function is $\mathbb{R}$.
 3 C. The range of secant function is $\mathbb{R}$.
 D. The domain of cosecant function is $\mathbb{R} - \{n\pi; n \in \mathbb{Z}\}$.

Ans ✓ 1. Only A and D

Ans

✗ 2. A, C and D

✗ 3. Only B and C

✗ 4. A, B and C

Question Type : MCQ

Question ID : 630680845617

Option 1 ID : 6306803312354

Option 2 ID : 6306803312352

Option 3 ID : 6306803312353

Option 4 ID : 6306803312351

Status : Answered

Chosen Option : 1

Marks : 1

Q.114 Twelve spherical Rasagullas of diameter 4 cm each are packed in a cylindrical tin of radius 5 cm and height 8 cm. Sugar syrup is poured into the tin such that 1 cm from the top of the tin is left empty. The volume of sugar syrup poured is ____ cm^3 .

Ans ✓ 1. 47π

✗ 2. 143π

✗ 3. 36π

✗ 4. 72π

Question Type : MCQ

Question ID : 630680852446

Option 1 ID : 6306803338786

Option 2 ID : 6306803338784

Option 3 ID : 6306803338787

Option 4 ID : 6306803338785

Status : Answered

Chosen Option : 1

Marks : 1

Q.115 The cardinality of a countable infinite set is equal to the cardinality of _____.

- Ans
- ☒ 1. the set of irrational numbers
 - ☒ 2. the set of complex numbers
 - ☒ 3. the set of real numbers
 - ☒ 4. the set of natural numbers

Question Type : MCQ
Question ID : 630680403629
Option 1 ID : 6306801574008
Option 2 ID : 6306801574009
Option 3 ID : 6306801574006
Option 4 ID : 6306801574007
Status : Answered
Chosen Option : 4
Marks : 1

Q.116 Select the correct option for the given statements about Peanos Axioms.

Statement A: The successor of every natural number n is not equal to zero.
Statement B: For all natural numbers m and n if $s(m) = s(n)$, then $m = n$.

- Ans
- ☒ 1. Statement A is true, but statement B is false
 - ☒ 2. Both statements A and B are false.
 - ☒ 3. Both statements A and B are true.
 - ☒ 4. Statement B is true, but statement A is false.

Question Type : MCQ
Question ID : 630680855404
Option 1 ID : 6306803350338
Option 2 ID : 6306803350341
Option 3 ID : 6306803350340
Option 4 ID : 6306803350339
Status : Answered
Chosen Option : 3
Marks : 1

Q.117 The mean of height of 50 plants in a nursery is 10 inches. If 5 more plants with average height 10 inches are added in the nursery, what is the new average height of the 55 plants?

- Ans
- ☒ 1. 8 inches
 - ☒ 2. 5 inches
 - ☒ 3. 5.5 inches
 - ☒ 4. 10 inches

Question Type : MCQ
Question ID : 630680853272
Option 1 ID : 6306803341975
Option 2 ID : 6306803341977
Option 3 ID : 6306803341976
Option 4 ID : 6306803341974
Status : Answered
Chosen Option : 4
Marks : 1

Q.118 Solve the following linear equations.

$$\begin{aligned} x - 3y + 4 &= 0 \\ 2x - 4y + 6 &= 0 \end{aligned}$$

Ans ☒ 1. $x = -1$ and $y = 1$

☒ 2. $x = 2$ and $y = 2$

☒ 3. $x = 1$ and $y = \frac{5}{3}$

☒ 4. $x = -2$ and $y = \frac{2}{3}$

Question Type : MCQ

Question ID : 630680843903

Option 1 ID : 6306803305543

Option 2 ID : 6306803305542

Option 3 ID : 6306803305541

Option 4 ID : 6306803305544

Status : Answered

Chosen Option : 1

Marks : 1

Q.119 Select the correct statements about measures of dispersion from the ones given below.

- A. The mean of the squares of the deviations from mean is called the mean deviation.
 B. Adding (or subtracting) a positive number to (or from) each observation of a group does not affect the variance.
 C. Mode is also a measure of dispersion.
 D. Variance is a measure of dispersion or scatter about median.

Ans ☒ 1. Only C

☒ 2. Only B

☒ 3. B, C

☒ 4. A, D

Question Type : MCQ

Question ID : 630680850385

Option 1 ID : 6306803330698

Option 2 ID : 6306803330697

Option 3 ID : 6306803330700

Option 4 ID : 6306803330699

Status : Answered

Chosen Option : 2

Marks : 1

Q.120 Calculate the LCM of 0.8, 9.8 and 0.16.

- Ans
- ✗ 1. 96
 - ✗ 2. 7.84
 - ✓ 3. 78.4
 - ✗ 4. 9.6

Question Type : MCQ
Question ID : 630680842447
Option 1 ID : 6306803300176
Option 2 ID : 6306803300174
Option 3 ID : 6306803300173
Option 4 ID : 6306803300175
Status : Answered
Chosen Option : 3
Marks : 1

Q.121 The area (in cm²) of a triangle whose sides are in the ratio of 3 : 5 : 6 and perimeter is 140 cm is ____.

- Ans
- ✗ 1. $400\sqrt{2}$
 - ✗ 2. $80\sqrt{7}$
 - ✓ 3. $200\sqrt{14}$
 - ✗ 4. $20\sqrt{70}$

Question Type : MCQ
Question ID : 630680851842
Option 1 ID : 6306803336435
Option 2 ID : 6306803336434
Option 3 ID : 6306803336433
Option 4 ID : 6306803336432
Status : Answered
Chosen Option : 3
Marks : 1

Q.122 The variance of 40 observations is 32. If each observation is multiplied by 3, the new variance is ____.

- Ans
- ✗ 1. 128
 - ✗ 2. 32
 - ✗ 3. 96
 - ✓ 4. 288

Question Type : MCQ
Question ID : 630680850591
Option 1 ID : 6306803331515
Option 2 ID : 6306803331513
Option 3 ID : 6306803331514
Option 4 ID : 6306803331516
Status : Answered
Chosen Option : 4
Marks : 1

Q.123 Which of the following straight lines is parallel to x-axis?

- Ans ☒ 1. $x = 3y$
☒ 2. $x - 5 = 0$
☒ 3. $x - 2y = 1$
☒ 4. $y - 7 = 0$

Question Type : MCQ
Question ID : 630680843804
Option 1 ID : 6306803305147
Option 2 ID : 6306803305148
Option 3 ID : 6306803305146
Option 4 ID : 6306803305149
Status : Answered
Chosen Option : 4
Marks : 1

Q.124 What is the sum of divisors of the number 3528?

- Ans ☒ 1. 15315
☒ 2. 12215
☒ 3. 11115
☒ 4. 10015

Question Type : MCQ
Question ID : 630680845144
Option 1 ID : 6306803310488
Option 2 ID : 6306803310487
Option 3 ID : 6306803310486
Option 4 ID : 6306803310489
Status : Answered
Chosen Option : 3
Marks : 1

Q.125 A log in the shape of a cuboid of base dimensions 3 m × 4 m and height 8 m is cut along the diagonal of the base into two equal halves. If one half is to be painted, then the total area to be painted (in m²) is _____.

- Ans ☒ 1. 102
☒ 2. 108
☒ 3. 96
☒ 4. 68

Question Type : MCQ
Question ID : 630680852357
Option 1 ID : 6306803338430
Option 2 ID : 6306803338431
Option 3 ID : 6306803338429
Option 4 ID : 6306803338428
Status : Answered
Chosen Option : 2
Marks : 1

Q.126 What is the remainder when 34^{75} is divided by 37?

- Ans
- ☐ 1. 27
 - ☐ 2. 29
 - ☐ 3. 0
 - ☒ 4. 10

Question Type : MCQ
Question ID : 630680845145
Option 1 ID : 6306803310491
Option 2 ID : 6306803310492
Option 3 ID : 6306803310493
Option 4 ID : 6306803310490
Status : Answered
Chosen Option : 4
Marks : 1

Q.127 Which of the following is IRRELEVANT with reference to the objectives of a Mathematics Quiz?

- Ans
- ☐ 1. To consolidate and rapid revision of mathematical facts.
 - ☐ 2. To make the children develop a mathematical attitude.
 - ☐ 3. To make the children think and answer quickly.
 - ☒ 4. To develop the skill of answering based on random guesses.

Question Type : MCQ
Question ID : 630680879616
Option 1 ID : 6306803445121
Option 2 ID : 6306803445119
Option 3 ID : 6306803445120
Option 4 ID : 6306803445118
Status : Answered
Chosen Option : 4
Marks : 1

Q.12 Match the points in Column I with the most suitable description from Column II.

Column I	Column II
(a) (6, -1), (0, 2), (-2, 3)	(i) Form a parallelogram
(b) (1, 3), (4, -1), (0, 7)	(ii) Are collinear points
(c) (1, -1), (7, 1), (0, 2), (6, 4)	(iii) Form a scalene triangle
-	(iv) Form a rectangle

- Ans ✓ 1. (a)-(ii), (b)-(iii), (c)-(iv)
- ✗ 2. (a)-(ii), (b)-(iii), (c)-(i)
- ✗ 3. (a)-(iii), (b)-(ii), (c)-(iv)
- ✗ 4. (a)-(iii), (b)-(ii), (c)-(i)

Question Type : MCQ

Question ID : 630680851173

Option 1 ID : 6306803333829

Option 2 ID : 6306803333830

Option 3 ID : 6306803333831

Option 4 ID : 6306803333832

Status : Answered

Chosen Option : 2

Marks : -0.25

Q.129 Find the quadratic equation whose one roots is $2 + \sqrt{3}$.

- Ans ✓ 1. $x^2 - 4x + 1 = 0$
- ✗ 2. $x^2 + 4x - 1 = 0$
- ✗ 3. $x^2 - 4x - 1 = 0$
- ✗ 4. $x^2 + 4x + 1 = 0$

Question Type : MCQ

Question ID : 630680843217

Option 1 ID : 6306803302881

Option 2 ID : 6306803302883

Option 3 ID : 6306803302882

Option 4 ID : 6306803302884

Status : Answered

Chosen Option : 1

Marks : 1

Q.130

The value of $\int \frac{(x^2 + 5x)}{\sqrt{(2x^3 + 15x^2 - 11)}} dx = \underline{\hspace{2cm}}$.

- Ans
- ☐ 1. $\frac{2}{3}\sqrt{(2x^3 + 15x^2 - 11)^3} + c$
- ☐ 2. $\frac{1}{6}\sqrt{(2x^3 + 15x^2 - 11)} + c$
- ☐ 3. $2\sqrt{(2x^3 + 15x^2 - 11)} + c$
- ☒ 4. $\frac{1}{3}\sqrt{(2x^3 + 15x^2 - 11)} + c$

Question Type : MCQ

Question ID : 630680843855

Option 1 ID : 6306803305353

Option 2 ID : 6306803305352

Option 3 ID : 6306803305350

Option 4 ID : 6306803305351

Status : Answered

Chosen Option : 4

Marks : 1

Q.131 'Forms of technology that are used to transmit, process, store, create, display, share or exchange information by electronic means.'

The above definition given by UNESCO is related to which of the following?

- Ans
- ☐ 1. www
- ☒ 2. ICT
- ☐ 3. Big Data
- ☐ 4. AI

Question Type : MCQ

Question ID : 630680879654

Option 1 ID : 6306803445271

Option 2 ID : 6306803445270

Option 3 ID : 6306803445273

Option 4 ID : 6306803445272

Status : Answered

Chosen Option : 2

Marks : 1

Q.132 Solve $2x + 3y = 7$ and $x - 5y = 6$.

- Ans
- ☒ 1. $x = -\frac{17}{7}$ and $y = \frac{5}{7}$
 - ☒ 2. $x = -\frac{5}{7}$ and $y = \frac{17}{7}$
 - ☒ 3. $x = \frac{17}{7}$ and $y = -\frac{5}{7}$
 - ☒ 4. $x = \frac{53}{13}$, $y = \frac{-5}{13}$

Question Type : MCQ

Question ID : 630680843820

Option 1 ID : 6306803305213

Option 2 ID : 6306803305211

Option 3 ID : 6306803305212

Option 4 ID : 6306803305210

Status : Answered

Chosen Option : 4

Marks : 1

Q.133

Find the maximum value of $\sqrt{x - \frac{7}{8}} + 3\sqrt{4 - x}$.

- Ans
- ☒ 1. $\frac{7\sqrt{5}}{8}$
 - ☒ 2. $\frac{5\sqrt{5}}{4}$
 - ☒ 3. $\frac{5}{2}$
 - ☒ 4. $\frac{5\sqrt{5}}{2}$

Question Type : MCQ

Question ID : 630680845135

Option 1 ID : 6306803310451

Option 2 ID : 6306803310453

Option 3 ID : 6306803310450

Option 4 ID : 6306803310452

Status : Answered

Chosen Option : 4

Marks : 1

Q.134 What is the value of $\frac{\sin 105^\circ + \sin 15^\circ}{\sin 45^\circ \sin 15^\circ}$?

Ans

- ✗ 1. $\frac{\sqrt{3}}{\sqrt{3} - 1}$
- ✗ 2. $\frac{-\sqrt{6}}{2(\sqrt{3} - 1)}$
- ✓ 3. $\sqrt{6}(\sqrt{3} + 1)$
- ✗ 4. $\sqrt{3} - 1$

Question Type : MCQ

Question ID : 630680846217

Option 1 ID : 6306803314704

Option 2 ID : 6306803314706

Option 3 ID : 6306803314705

Option 4 ID : 6306803314703

Status : Answered

Chosen Option : 2

Marks : -0.25

Q.135 Solve the following system of equations.

$$\frac{16}{x+2y} = 5 \text{ and } \frac{2}{2x+5y} = 1$$

- Ans
- ✗ 1. $x = 8$ and $y = -2.4$
- ✗ 2. $x = 3$ and $y = 0.1$
- ✗ 3. $x = 4.4$ and $y = -0.6$
- ✓ 4. $x = 12$ and $y = -4.4$

Question Type : MCQ

Question ID : 630680843871

Option 1 ID : 6306803305416

Option 2 ID : 6306803305415

Option 3 ID : 6306803305417

Option 4 ID : 6306803305414

Status : Answered

Chosen Option : 4

Marks : 1

Q.136 If $a_1x + b_1y + c_1 = 0$ and $a_2x + b_2y + c_2 = 0$, then the $x : y =$ _____.

- Ans
- ✗ 1. $\frac{a_2c_1 - a_1c_2}{b_1c_2 - b_2c_1}$
- ✗ 2. $\frac{a_2c_1 - a_1c_2}{a_1b_2 - a_2b_1}$
- ✓ 3. $\frac{b_1c_2 - b_2c_1}{a_2c_1 - a_1c_2}$
- ✗ 4. $\frac{a_1b_2 - a_2b_1}{a_2c_1 - a_1c_2}$

Question Type : MCQ

Question ID : 630680843011

Option 1 ID : 6306803302089

Option 2 ID : 6306803302091

Option 3 ID : 6306803302088

Option 4 ID : 6306803302090

Status : Answered

Chosen Option : 3

Marks : 1

Q.137 There are two statements A and B given below. Select the correct option for the given statements.

Statement A: The sum of the deviations of the observations from their mean is 0.

Statement B: The sum of the deviations of the observations from the mean is more than the sum of the deviations from median.

- Ans
- ✗ 1. Statement B is true, but statement A is false.
- ✓ 2. Statement A is true, but statement B is false.
- ✗ 3. Both statements A and B are false.
- ✗ 4. Both statements A and B are true.

Question Type : MCQ

Question ID : 630680850222

Option 1 ID : 6306803330078

Option 2 ID : 6306803330077

Option 3 ID : 6306803330080

Option 4 ID : 6306803330079

Status : Answered

Chosen Option : 3

Marks : -0.25

Q.138 Which of the following statements regarding the traditional methods is inconsistent?

- Ans ☒ 1. Traditional methods of instruction over-emphasise memorisation and repetition.
- ☒ 2. A task in traditional method is taught in isolation rather than as only a part of a more complex project.
- ☒ 3. Traditional methods are based on direct instruction where students are shown one standard method of performing a task such as decimal addition, in a standard sequence.
- ☒ 4. Students in in traditional method often explore their own methods for mathematical operations.

Question Type : MCQ
Question ID : 630680879596
Option 1 ID : 6306803445041
Option 2 ID : 6306803445040
Option 3 ID : 6306803445039
Option 4 ID : 6306803445038
Status : Answered
Chosen Option : 4
Marks : 1

Q.139 Which of the following is NOT a characteristic of effective feedback?

- Ans ☒ 1. Specific to the task and related to the learning outcomes or success criteria.
- ☒ 2. Given long after the piece of work is done.
- ☒ 3. Positively worded and non-judgmental.
- ☒ 4. Comments that enable the student to implement changes that will improve future pieces of work.

Question Type : MCQ
Question ID : 630680879722
Option 1 ID : 6306803445544
Option 2 ID : 6306803445542
Option 3 ID : 6306803445545
Option 4 ID : 6306803445543
Status : Answered
Chosen Option : 2
Marks : 1

Q There are two statements A and B given below. Select the most appropriate option for the given statements.

Statement A: Set $A = \{x: x = [y], \text{ where } [y] \text{ is the greatest integer less than or equal to } y; y \in \mathbb{R}\}$ is a finite set.

Statement B: A finite set cannot be represented in Roster form.

Ans ☒ 1. Statement A is true, but statement B is false.

☒ 2. Both statements A and B are true.

☒ 3. Statement B is true, but statement A is false.

☒ 4. Both statements A and B are false.

Question Type : MCQ

Question ID : 630680845069

Option 1 ID : 6306803310186

Option 2 ID : 6306803310188

Option 3 ID : 6306803310187

Option 4 ID : 6306803310189

Status : Answered

Chosen Option : 4

Marks : 1

Q.141 If $f(x) = u$ and $g(x) = v$, then $\frac{d}{dx} \left[\frac{f(x)}{g(x)} \right] = \underline{\hspace{2cm}}$.

Ans ☒ 1. $\frac{v \frac{du}{dx} - u \frac{dv}{dx}}{v^2}$

☒ 2. $\frac{u \frac{dv}{dx} + v \frac{du}{dx}}{v^2}$

☒ 3. $\frac{v \frac{du}{dx} + u \frac{dv}{dx}}{v^2}$

☒ 4. $\frac{u \frac{dv}{dx} - v \frac{du}{dx}}{v^2}$

Question Type : MCQ

Question ID : 630680843260

Option 1 ID : 6306803303049

Option 2 ID : 6306803303051

Option 3 ID : 6306803303052

Option 4 ID : 6306803303050

Status : Answered

Chosen Option : 1

Marks : 1

Q.142 If the surface area of a sphere is 113.04 cm^2 , then its volume will be ____ cm^3 .
(Use $\pi = 3.14$)

Ans ☒ 1. 56.52
☒ 2. 339.12
☒ 3. 113.04
☒ 4. 37.68

Question Type : MCQ
Question ID : 630680852542
Option 1 ID : 6306803339169
Option 2 ID : 6306803339171
Option 3 ID : 6306803339170
Option 4 ID : 6306803339168
Status : Answered
Chosen Option : 3
Marks : 1

Q.143 The number of subsets of a set with 3 distinct elements are ____.

Ans ☒ 1. 8
☒ 2. 5
☒ 3. 3
☒ 4. 9

Question Type : MCQ
Question ID : 630680845076
Option 1 ID : 6306803310216
Option 2 ID : 6306803310215
Option 3 ID : 6306803310214
Option 4 ID : 6306803310217
Status : Answered
Chosen Option : 1
Marks : 1

Q.144 If a, b be the roots of the equation $2x^2 + 5x + 2 = 0$, find the value of

$$\frac{a}{b^2} + \frac{b}{a^2}$$

Ans

- ☒ 1. $\frac{67}{8}$
- ☒ 2. $\frac{66}{7}$
- ☒ 3. $-\frac{65}{8}$
- ☒ 4. $\frac{72}{5}$

Question Type : MCQ
Question ID : 630680843233
Option 1 ID : 6306803302947
Option 2 ID : 6306803302945
Option 3 ID : 6306803302946
Option 4 ID : 6306803302948
Status : Answered
Chosen Option : 3
Marks : 1

Q.145 Which of the following is NOT a function of a Mathematics Club?

- Ans
- ☒ 1. To develop co-operative motivation/spirit in group learning.
 - ☒ 2. To make students like-minded.
 - ☒ 3. To provide students with the power of critical thinking and logical reasoning.
 - ☒ 4. To inculcate a sense of discovery and growth.

Question Type : MCQ
Question ID : 630680879622
Option 1 ID : 6306803445145
Option 2 ID : 6306803445144
Option 3 ID : 6306803445142
Option 4 ID : 6306803445143
Status : Answered
Chosen Option : 2
Marks : 1

Q 'a' and 'b' are two positive integers such that $a^b \times b^a = 6272$, then find the sum of a and b.

1
4
6
Ans

✓ 1. 9

✗ 2. 8

✗ 3. 7

✗ 4. 5

Question Type : MCQ
Question ID : 630680845146
Option 1 ID : 6306803310495
Option 2 ID : 6306803310494
Option 3 ID : 6306803310496
Option 4 ID : 6306803310497
Status : Answered
Chosen Option : 1
Marks : 1

Q.14 The standard deviation of the following data whose mean is 5.5 is ____.

7	Class Interval	0 - 2	2 - 4	4 - 6	6 - 8	8 - 10
	Frequency	1	3	9	f	3

Ans

✗ 1. $\frac{\sqrt{19}}{2}$

✓ 2. $\frac{\sqrt{435}}{10}$

✗ 3. $\frac{\sqrt{29}}{4}$

✗ 4. $\sqrt{435}$

Question Type : MCQ
Question ID : 630680850558
Option 1 ID : 6306803331383
Option 2 ID : 6306803331382
Option 3 ID : 6306803331384
Option 4 ID : 6306803331381
Status : Answered
Chosen Option : 3
Marks : -0.25

Q.148 What is the sum of first 11 terms of an arithmetic progression whose 4th term is 18 and 8th term is 38?

- Ans
- ☒ 1. 360
 - ☒ 2. 308
 - ☒ 3. 370
 - ☒ 4. 380

Question Type : MCQ
Question ID : 630680844061
Option 1 ID : 6306803306172
Option 2 ID : 6306803306174
Option 3 ID : 6306803306173
Option 4 ID : 6306803306175
Status : Answered
Chosen Option : 2
Marks : 1

Q.149 ΔPQR , right angled at Q, has sides $PQ = 8$ cm and $PR = 10$ cm. The perpendicular from Q meets PR at S. The ratio of the areas of the two small triangles thus formed is _____.

- Ans
- ☒ 1. 9 : 16
 - ☒ 2. 16 : 25
 - ☒ 3. 3 : 4
 - ☒ 4. 1 : 1

Question Type : MCQ
Question ID : 630680851890
Option 1 ID : 6306803336626
Option 2 ID : 6306803336629
Option 3 ID : 6306803336628
Option 4 ID : 6306803336627
Status : Answered
Chosen Option : 1
Marks : 1

Q.150 If the value of $\sin x = -\frac{3}{5}$ in III quadrant, then the value of $\tan \frac{x}{2}$ is ____.

- Ans
- ☒ 1. $\frac{3}{\sqrt{10}}$
 - ☒ 2. $\frac{-3}{4}$
 - ☒ 3. -3
 - ☒ 4. 3

Question Type : MCQ
Question ID : 630680846142
Option 1 ID : 6306803314418
Option 2 ID : 6306803314417
Option 3 ID : 6306803314416
Option 4 ID : 6306803314415
Status : Answered
Chosen Option : 3
Marks : 1

Q.151 AB and CD are two parallel chords, each of length 6 cm, on either side of the centre of a circle of radius 9 cm. The distance between AB and CD (in cm) is _____.

- Ans
- ☒ 1. $\sqrt{117}$
 - ☒ 2. $12\sqrt{2}$
 - ☒ 3. $3\sqrt{10}$
 - ☒ 4. 9

Question Type : MCQ
Question ID : 630680851013
Option 1 ID : 6306803333196
Option 2 ID : 6306803333194
Option 3 ID : 6306803333193
Option 4 ID : 6306803333195
Status : Answered
Chosen Option : 2
Marks : 1

Q.152 The radius (in units) of the circle passing through the points A (3, 0), B (5, -2) and C (1, 6) is _____.

- Ans
- ☒ 1. $\sqrt{15}$
 - ☒ 2. 11
 - ☒ 3. $\sqrt{10}$
 - ☒ 4. 10

Question Type : MCQ
Question ID : 630680850972
Option 1 ID : 6306803333031
Option 2 ID : 6306803333032
Option 3 ID : 6306803333029
Option 4 ID : 6306803333030
Status : Answered
Chosen Option : 4
Marks : 1

Q.153 Which of the following statements is NOT correct?

- Ans
- ☒ 1. The primary driver behind the decision to use any strategy is how it contributes to achieving the educational goals of the programme.
 - ☒ 2. Most teachers are somewhere in between and use a combination of teacher-centred (whole-of-class), individual work and pair and group work.
 - ☒ 3. There are no concrete rules about how often pair or group work should be implemented.
 - ☒ 4. Optimal group size has long been a source of debate; however 10-20 is rarely a problem.

Question Type : MCQ
Question ID : 630680879735
Option 1 ID : 6306803445595
Option 2 ID : 6306803445594
Option 3 ID : 6306803445597
Option 4 ID : 6306803445596
Status : Answered
Chosen Option : 3
Marks : -0.25

Q.154 If 2, a, 16 are three consecutive terms in an arithmetic progression, find the value of a.

Ans ☒ 1. 8

☒ 2. 9

☒ 3. 4

☒ 4. 10

Question Type : MCQ

Question ID : 630680843943

Option 1 ID : 6306803305701

Option 2 ID : 6306803305703

Option 3 ID : 6306803305704

Option 4 ID : 6306803305702

Status : Answered

Chosen Option : 2

Marks : 1

Q.155 If $x - \{[3.7] - [0.8]\} = [-1.9]$, where $[]$ represents the greatest integer function, find the value of x.

Ans ☒ 1. 1

☒ 2. 3

☒ 3. 2

☒ 4. 5

Question Type : MCQ

Question ID : 630680842862

Option 1 ID : 6306803301497

Option 2 ID : 6306803301498

Option 3 ID : 6306803301499

Option 4 ID : 6306803301496

Status : Answered

Chosen Option : 1

Marks : 1

Q.156 Choose the right value of $\tan \frac{\pi}{12}$ from the options given.

Ans ☒ 1. $\frac{2}{\sqrt{3}}$

☒ 2. $2 + \sqrt{3}$

☒ 3. $2 - \sqrt{3}$

☒ 4. $\frac{1}{2\sqrt{3}}$

Question Type : MCQ

Question ID : 630680846166

Option 1 ID : 6306803314508

Option 2 ID : 6306803314509

Option 3 ID : 6306803314510

Option 4 ID : 6306803314507

Status : Answered

Chosen Option : 3

Marks : 1

Q.157 Find the area of triangle whose vertices are $(-2, -4)$, $(3, 0)$ and $(-4, 2)$.

- Ans
- ☒ 1. 6
 - ☒ 2. 15
 - ☒ 3. 19
 - ☒ 4. 10

Question Type : MCQ
Question ID : 630680842881
Option 1 ID : 6306803301575
Option 2 ID : 6306803301574
Option 3 ID : 6306803301572
Option 4 ID : 6306803301573
Status : Answered
Chosen Option : 3
Marks : 1

Q.158 Which of the following statement is NOT correct?

- Ans
- ☒ 1. Computer is a learning resource.
 - ☒ 2. Flashcard is a learning resource.
 - ☒ 3. LCD projector is a learning resource.
 - ☒ 4. In the present age of information technology, text book is no longer considered a learning resource.

Question Type : MCQ
Question ID : 630680879650
Option 1 ID : 6306803445254
Option 2 ID : 6306803445256
Option 3 ID : 6306803445257
Option 4 ID : 6306803445255
Status : Answered
Chosen Option : 4
Marks : 1

Q.159 If $a^x = b^y = c^z$ and $xy + yz + zx = 0$, then the value of abc is:

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

Question Type : MCQ
Question ID : 630680842453
Option 1 ID : 6306803300197
Option 2 ID : 6306803300200
Option 3 ID : 6306803300199
Option 4 ID : 6306803300198
Status : Answered
Chosen Option : 2
Marks : 1

Q.160 A cuboidal box with a square base of side 'a' units and height 'h' units is used to pack a solid in the shape of a cone. If the base of the box circumscribes the circular base of the cone and the lid of the box touches the top of the cone, then the space left to be filled with packing material (in cu. units) is _____.

- Ans
- ✓ 1. $\frac{a^2h}{12}(12 - \pi)$
 - ✗ 2. $\frac{a^2h}{3}(4 - \pi)$
 - ✗ 3. $\frac{ah}{4}(3 - \pi)$
 - ✗ 4. $\frac{ah}{3}(12 - \pi)$

Question Type : MCQ
Question ID : 630680852405
Option 1 ID : 6306803338623
Option 2 ID : 6306803338621
Option 3 ID : 6306803338620
Option 4 ID : 6306803338622
Status : Answered
Chosen Option : 1
Marks : 1

Q.161 Which of the following statements is NOT correct?

- Ans
- ✗ 1. Good problem solvers have a 'mathematical disposition' - they analyse situations carefully in mathematical terms and naturally come to pose problems based on situations they see.
 - ✓ 2. Problem solving means engaging in a task for which the solution is known in advance.
 - ✗ 3. Problem solving is an integral part of all mathematics learning. In everyday life and in the workplace, being able to solve problems can lead to great advantages.
 - ✗ 4. Solving problems is not only a goal of learning mathematics, but also a major means of doing so.

Question Type : MCQ
Question ID : 630680879510
Option 1 ID : 6306803444698
Option 2 ID : 6306803444695
Option 3 ID : 6306803444697
Option 4 ID : 6306803444696
Status : Answered
Chosen Option : 2
Marks : 1

Q.162 $\text{Solve } x^{\frac{2}{5}} = 5x^{\frac{1}{5}} - 6.$

- Ans
- ☒ 1. 43, 1024
 - ☒ 2. 32, 240
 - ☒ 3. 32, 243
 - ☒ 4. 30, 240

Question Type : MCQ

Question ID : 630680843212

Option 1 ID : 6306803302864

Option 2 ID : 6306803302861

Option 3 ID : 6306803302863

Option 4 ID : 6306803302862

Status : Answered

Chosen Option : 3

Marks : 1

Q.163 Which of the following statements is inconsistent with reference to Learning by Discovery?

- Ans
- ☒ 1. Discovery learning is a teaching strategy that can help students discover and learn scientific concepts by themselves through their active participation in the learning process.
 - ☒ 2. The learning method encourages students to discover facts, correlation, and new knowledge based on their previous experiences and knowledge.
 - ☒ 3. In discovery learning, students manipulate the structure and transfer information in order to solve old algebraic identities and information.
 - ☒ 4. In discovery learning, students are encouraged to learn concepts and principles through their own active involvement and to use thinking skills to solve problems independently.

Question Type : MCQ

Question ID : 630680880627

Option 1 ID : 6306803449148

Option 2 ID : 6306803449146

Option 3 ID : 6306803449145

Option 4 ID : 6306803449147

Status : Answered

Chosen Option : 2

Marks : -0.25

Q.164

What is the value of $\lim_{x \rightarrow \frac{\pi}{2}} \frac{\cot x \cos 2x}{\left(\frac{\pi}{2} - x\right)}$?

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

Question Type : MCQ

Question ID : 630680845042

Option 1 ID : 6306803310091

Option 2 ID : 6306803310093

Option 3 ID : 6306803310090

Option 4 ID : 6306803310092

Status : Answered

Chosen Option : 3

Marks : 1

Q. A, B, C are three subsets of a universal set U where A and C are disjoint sets and B is a proper subset of C. Then $(A \cap C) \cup (A - B)$ is ____.

- Ans
- ☒ 1. B
 - ☒ 2. C
 - ☒ 3. A
 - ☒ 4. ϕ

Question Type : MCQ

Question ID : 630680845054

Option 1 ID : 6306803310139

Option 2 ID : 6306803310140

Option 3 ID : 6306803310138

Option 4 ID : 6306803310141

Status : Answered

Chosen Option : 3

Marks : 1

Q.166 If the roots of the equation $4x^2 - 12x + a = 0$ are real and equal, then find the value of a.

Ans ☒ 1. 9

☐ 2. 8

☐ 3. 0

☐ 4. 5

Question Type : MCQ

Question ID : 630680843222

Option 1 ID : 6306803302904

Option 2 ID : 6306803302902

Option 3 ID : 6306803302901

Option 4 ID : 6306803302903

Status : Answered

Chosen Option : 1

Marks : 1

Q.167 If the sum of n terms of an arithmetic progression is $3n^2 + 6n$, then find the 61st term of this series.

Ans ☐ 1. 509

☐ 2. 385

☐ 3. 380

☒ 4. 369

Question Type : MCQ

Question ID : 630680844028

Option 1 ID : 6306803306040

Option 2 ID : 6306803306042

Option 3 ID : 6306803306041

Option 4 ID : 6306803306043

Status : Answered

Chosen Option : 4

Marks : 1

Q.168 If the matrix $\begin{bmatrix} 1 & 5 \\ 3 & x \end{bmatrix}$ is a singular matrix, then find the value of x.

Ans ☐ 1. 10

☐ 2. 0

☐ 3. 2

☒ 4. 15

Question Type : MCQ

Question ID : 630680842875

Option 1 ID : 6306803301548

Option 2 ID : 6306803301550

Option 3 ID : 6306803301551

Option 4 ID : 6306803301549

Status : Answered

Chosen Option : 4

Marks : 1

Q.169 Which of the following statements is NOT correct regarding the constructivist approach?

- Ans ☒ 1. The constructivist approach is based on the idea that knowledge be passed from one person to another.
- ☐ 2. Using constructivist approach to the teaching of mathematics, the competences needed for sustainable development are boosted.
- ☐ 3. The constructivist approach changes also the role of the teacher in the educational process, the task of them is to organise the environment so that the student himself can construct the cognitive forms that teacher wants to give him.
- ☐ 4. Constructivist approach radically changes the process of teaching and learning mathematics, connecting it with daily life, rather than teaching only abstract formulas and using a creative approach to mathematical tasks solving.

Question Type : MCQ

Question ID : 630680879572

Option 1 ID : 6306803444943

Option 2 ID : 6306803444945

Option 3 ID : 6306803444942

Option 4 ID : 6306803444944

Status : Answered

Chosen Option : 1

Marks : 1

Q.170 The value of $\tan^{-1}[2\sin(\cos^{-1}\frac{1}{2})]$ is ____.

- Ans ☐ 1. $\frac{\pi}{6}$
- ☐ 2. $\frac{\pi}{4}$
- ☒ 3. $\frac{\pi}{3}$
- ☐ 4. $\frac{\pi}{2}$

Question Type : MCQ

Question ID : 630680846112

Option 1 ID : 6306803314302

Option 2 ID : 6306803314301

Option 3 ID : 6306803314300

Option 4 ID : 6306803314299

Status : Answered

Chosen Option : 3

Marks : 1

Q.171 Which of the following statements is not correct ?

- Ans
- ☒ 1. Analysis is to pull something apart, to give insights into the what, why, where, how and who.
 - ☒ 2. Synthesis is to draw on one or more sources and infer relationships among those sources in a new and meaningful way
 - ☒ 3. First synthesis is done, then analysis is done.
 - ☒ 4. First analysis is done, then synthesis is done.

Question Type : MCQ
Question ID : 630680879500
Option 1 ID : 6306803444655
Option 2 ID : 6306803444656
Option 3 ID : 6306803444657
Option 4 ID : 6306803444658
Status : Answered
Chosen Option : 4
Marks : -0.25

Q.172 Find the product of co – factors of the elements 2 and 5 in the matrix $\begin{bmatrix} 3 & 1 & 2 \\ -2 & 0 & -1 \\ 4 & 5 & -3 \end{bmatrix}$.

- Ans
- ☒ 1. -11
 - ☒ 2. 11
 - ☒ 3. -10
 - ☒ 4. 10

Question Type : MCQ
Question ID : 630680842919
Option 1 ID : 6306803301726
Option 2 ID : 6306803301727
Option 3 ID : 6306803301725
Option 4 ID : 6306803301724
Status : Answered
Chosen Option : 4
Marks : 1

Q.17 For the following data of 50 observations, median is 32. The value of b is ____.

3	Class Intervals	0 - 10	10 - 20	20 - 30	30 - 40	40 - 50	50 - 60
	Frequency	5	8	a	15	b	4

- Ans
- 1. 18
 - 2. 13
 - 3. 9
 - 4. 11

Question Type : MCQ
Question ID : 630680853407
Option 1 ID : 6306803342510
Option 2 ID : 6306803342511
Option 3 ID : 6306803342513
Option 4 ID : 6306803342512
Status : Answered
Chosen Option : 2
Marks : -0.25

Q.174 Select the right value of $\cos \frac{3\pi}{13} + \cos \frac{5\pi}{13} - 2\cos \frac{\pi}{13} \cos \frac{22\pi}{13}$.

- Ans
- 1. 0
 - 2. $-\frac{1}{2}$
 - 3. 1
 - 4. $\frac{1}{2}$

Question Type : MCQ
Question ID : 630680846244
Option 1 ID : 6306803314813
Option 2 ID : 6306803314814
Option 3 ID : 6306803314811
Option 4 ID : 6306803314812
Status : Answered
Chosen Option : 1
Marks : 1

Q.175 The value of $\int_{-2}^2 (x^3 + \sin^5 x) dx = \underline{\hspace{2cm}}$.

- Ans
- ☒ 1. 4
 - ☒ 2. 0
 - ☒ 3. 8
 - ☒ 4. $\frac{16}{3}$

Question Type : MCQ

Question ID : 630680844640

Option 1 ID : 6306803308488

Option 2 ID : 6306803308486

Option 3 ID : 6306803308489

Option 4 ID : 6306803308487

Status : Answered

Chosen Option : 1

Marks : -0.25

Q.176 The range of the real function $f(x) = \sqrt{25 - x^2}$ is ____.

- Ans
- ☒ 1. R
 - ☒ 2. [0, 25]
 - ☒ 3. [0, 5]
 - ☒ 4. [-5, 5]

Question Type : MCQ

Question ID : 630680845537

Option 1 ID : 6306803312034

Option 2 ID : 6306803312031

Option 3 ID : 6306803312033

Option 4 ID : 6306803312032

Status : Answered

Chosen Option : 4

Marks : -0.25

Q.17 For contributing towards a noble cause, students of a class saved from their pocket money as shown in the data below. What is the mode of the data?

7

Money Saved	50 -70	70 -90	90 -110	110 -130	130 -150
Number of Students	6	3	9	5	7

Ans ☒ 1. 102

☐ 2. 90

☐ 3. 100

☐ 4. 105

Question Type : MCQ
Question ID : 630680853657
Option 1 ID : 6306803343508
Option 2 ID : 6306803343506
Option 3 ID : 6306803343507
Option 4 ID : 6306803343509
Status : Answered
Chosen Option : 1
Marks : 1

Q.17 The following table represents the marks of students of a class in a test out of 50 marks.

8

Marks	Less than 10	Less than 20	Less than 30	Less than 40	Less than 50
Number of students	1	4	14	31	50

If the passing percentage in the test is 60%, the number of students who passed the test are ____.

Ans ☐ 1. 31

☐ 2. 45

☐ 3. 14

☒ 4. 36

Question Type : MCQ
Question ID : 630680850188
Option 1 ID : 6306803329954
Option 2 ID : 6306803329956
Option 3 ID : 6306803329953
Option 4 ID : 6306803329955
Status : Answered
Chosen Option : 1
Marks : -0.25

Q.179 If $97A1A5$ is divisible by 11 and $24X$ is divisible by 9, then what is the value of $2A+X$?

- Ans ☒ 1. 7
☐ 2. 8
☐ 3. 6
☐ 4. 4

Question Type : MCQ
Question ID : 630680848770
Option 1 ID : 6306803324619
Option 2 ID : 6306803324621
Option 3 ID : 6306803324618
Option 4 ID : 6306803324620
Status : Answered
Chosen Option : 1
Marks : 1

Q.180 A and B are subsets of the Universal set U such that $A \subset B$, then $A - B$ is _____.

- Ans ☐ 1. A
☐ 2. U
☒ 3. ϕ
☐ 4. B

Question Type : MCQ
Question ID : 630680845046
Option 1 ID : 6306803310106
Option 2 ID : 6306803310109
Option 3 ID : 6306803310108
Option 4 ID : 6306803310107
Status : Answered
Chosen Option : 3
Marks : 1

Q.181 Which of the following statements is inconsistent with reference to learning by discovery?

- Ans ☐ 1. The learning method encourages students to discover facts, correlation and new knowledge based on their previous experiences and knowledge.
☒ 2. In discovery learning, students manipulate structure and transfer information in order to solve old algebraic identities and information.
☐ 3. In discovery learning, students are encouraged to learn concepts and principles through their own active involvement and to use thinking skills to solve problems independently.
☐ 4. Discovery learning is a teaching strategy that can help students discover and learn scientific concepts by themselves through their active participation in the learning process.

Question Type : MCQ
Question ID : 630680879476
Option 1 ID : 6306803444560
Option 2 ID : 6306803444559
Option 3 ID : 6306803444561
Option 4 ID : 6306803444562
Status : Answered
Chosen Option : 1
Marks : -0.25

Q.182 Solve the following linear equations using cross multiplication method.

$$\begin{aligned} 2x + 3y &= 4 \\ 2y - 4x &= 5 \end{aligned}$$

- Ans
- ✓ 1. $x = -\frac{7}{16}$ and $y = \frac{13}{8}$
- ✗ 2. $x = -\frac{5}{2}$ and $y = \frac{2}{3}$
- ✗ 3. $x = -7$ and $y = 6$
- ✗ 4. $x = \frac{5}{2}$ and $y = -\frac{2}{3}$

Question Type : MCQ

Question ID : 630680843839

Option 1 ID : 6306803305286

Option 2 ID : 6306803305289

Option 3 ID : 6306803305287

Option 4 ID : 6306803305288

Status : Answered

Chosen Option : 1

Marks : 1

Q.183 A bag contains 4 green balls and some black balls. If the probability of drawing a black ball is three times that of drawing a green ball, the number of black balls in the bag is ____.

- Ans
- ✗ 1. 9
- ✓ 2. 12
- ✗ 3. 16
- ✗ 4. 3

Question Type : MCQ

Question ID : 630680854073

Option 1 ID : 6306803345091

Option 2 ID : 6306803345092

Option 3 ID : 6306803345093

Option 4 ID : 6306803345090

Status : Answered

Chosen Option : 2

Marks : 1

Q.184 Solve the following linear equations by elimination method.

$2x + 3y = 8$
 $x - 6y = 4$

- Ans ☒ 1. $x = -2$ and $y = 4$
☒ 2. $x = 4$ and $y = 0$
☒ 3. $x = 1$ and $y = 2$
☒ 4. $x = -5$ and $y = 6$

Question Type : MCQ
Question ID : 630680843853
Option 1 ID : 6306803305343
Option 2 ID : 6306803305344
Option 3 ID : 6306803305342
Option 4 ID : 6306803305345
Status : Answered
Chosen Option : 2
Marks : 1

Q.185 There are three ways for meaningful learning to take place. Which of following is NOT one of them?

- Ans ☒ 1. Small modification to the existing knowledge
☒ 2. Addition to the existing knowledge
☒ 3. Major changes in the existing knowledge
☒ 4. Eradication of the existing knowledge

Question Type : MCQ
Question ID : 630680879581
Option 1 ID : 6306803444980
Option 2 ID : 6306803444979
Option 3 ID : 6306803444981
Option 4 ID : 6306803444978
Status : Answered
Chosen Option : 4
Marks : 1

Q.186

If $A = \begin{bmatrix} \cosh\theta & \sinh\theta \\ \sinh\theta & \cosh\theta \end{bmatrix}$, then A^{-1} is:

Ans

✗ 1. $\begin{bmatrix} -\cosh\theta & \sinh\theta \\ \sinh\theta & -\cosh\theta \end{bmatrix}$

✗ 2. $\frac{1}{\cosh 2\theta} \begin{bmatrix} \cosh\theta & \sinh\theta \\ \sinh\theta & \cosh\theta \end{bmatrix}$

✗ 3. $\frac{1}{\cosh 2\theta} \begin{bmatrix} \cosh\theta & -\sinh\theta \\ -\sinh\theta & \cosh\theta \end{bmatrix}$

✓ 4. $\begin{bmatrix} \cosh\theta & -\sinh\theta \\ -\sinh\theta & \cosh\theta \end{bmatrix}$

Question Type : MCQ

Question ID : 630680842965

Option 1 ID : 6306803301911

Option 2 ID : 6306803301910

Option 3 ID : 6306803301909

Option 4 ID : 6306803301908

Status : Answered

Chosen Option : 4

Marks : 1

Q.187 A _____ is a powerful tool that allows you to plot mathematical functions, analyze data, and perform complex calculations.

Ans ✗ 1. basic calculator

✗ 2. financial calculator

✗ 3. scientific calculator

✓ 4. graphing calculator

Question Type : MCQ

Question ID : 630680879664

Option 1 ID : 6306803445313

Option 2 ID : 6306803445312

Option 3 ID : 6306803445311

Option 4 ID : 6306803445310

Status : Answered

Chosen Option : 4

Marks : 1

Q.18 The line of best fit of y on x for the following data is ____.

8	x	1	2	4	5	8
	y	2	3	5	4	1

Ans ☒ 1. $y = -0.13x + 3.52$

☒ 2. $y = 1.3x - 2.87$

☒ 3. $y = 1.4x - 1.6$

☒ 4. $y = -0.1x - 3.4$

Question Type : MCQ

Question ID : 630680854133

Option 1 ID : 6306803345314

Option 2 ID : 6306803345317

Option 3 ID : 6306803345315

Option 4 ID : 6306803345316

Status : Answered

Chosen Option : 1

Marks : 1

Q.189 The value of $\int e^x \frac{(1 - \sin 2x)}{(\sin x - \cos x)} dx =$ ____.

Ans ☒ 1. $-e^x \cos x + c$

☒ 2. $-e^x \sin x + c$

☒ 3. $e^x (\sin x - \cos x) + c$

☒ 4. $e^x \sin x + c$

Question Type : MCQ

Question ID : 630680843800

Option 1 ID : 6306803305133

Option 2 ID : 6306803305132

Option 3 ID : 6306803305130

Option 4 ID : 6306803305131

Status : Answered

Chosen Option : 1

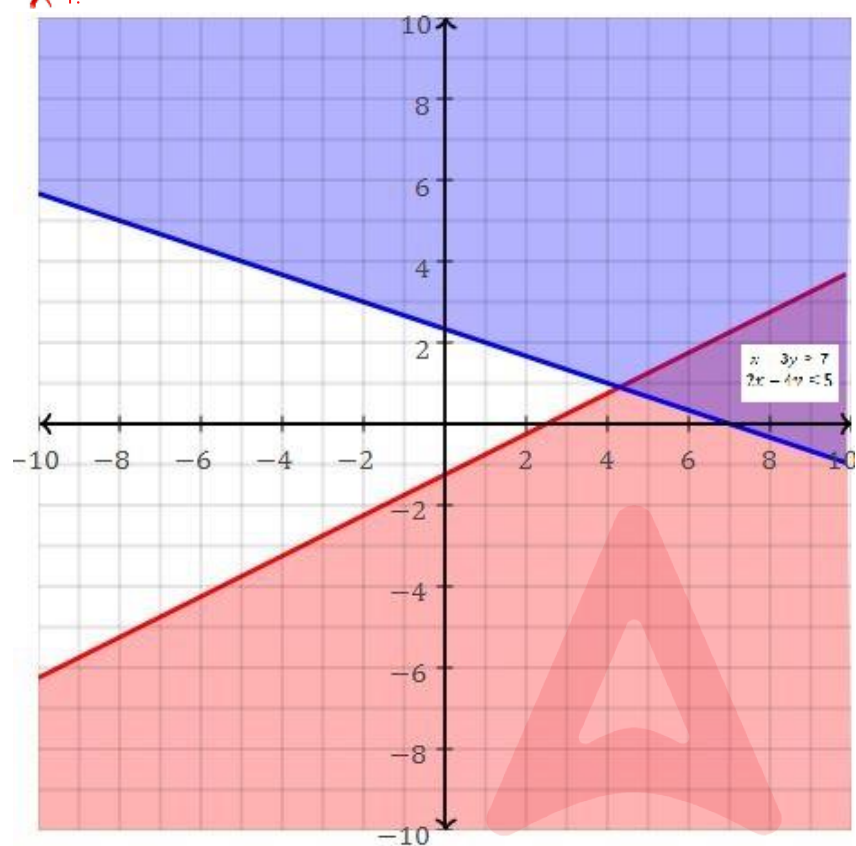
Marks : 1

Q.190 Solve the following system of inequalities graphically.

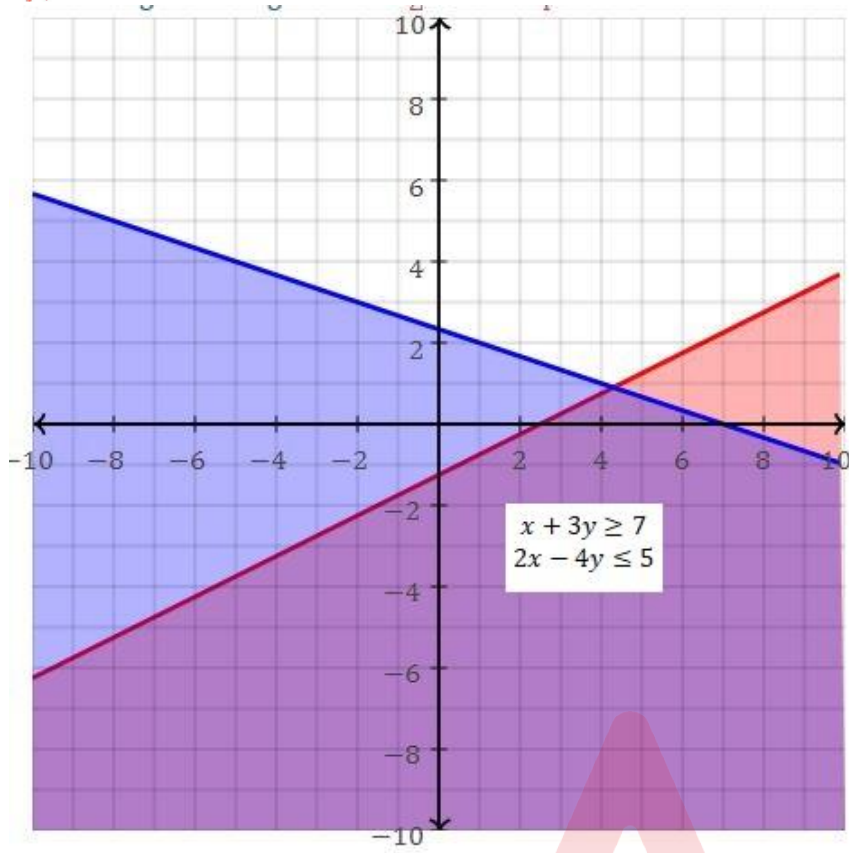
$$x + 3y \geq 7$$

$$2x - 4y \leq 5$$

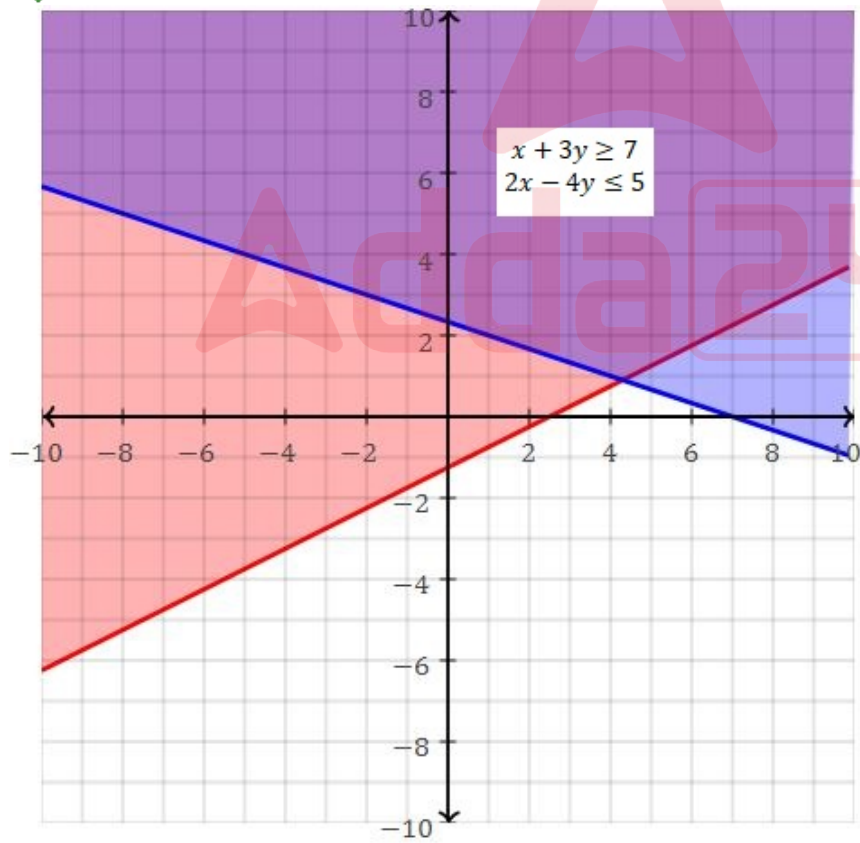
Ans ~~X~~ 1.

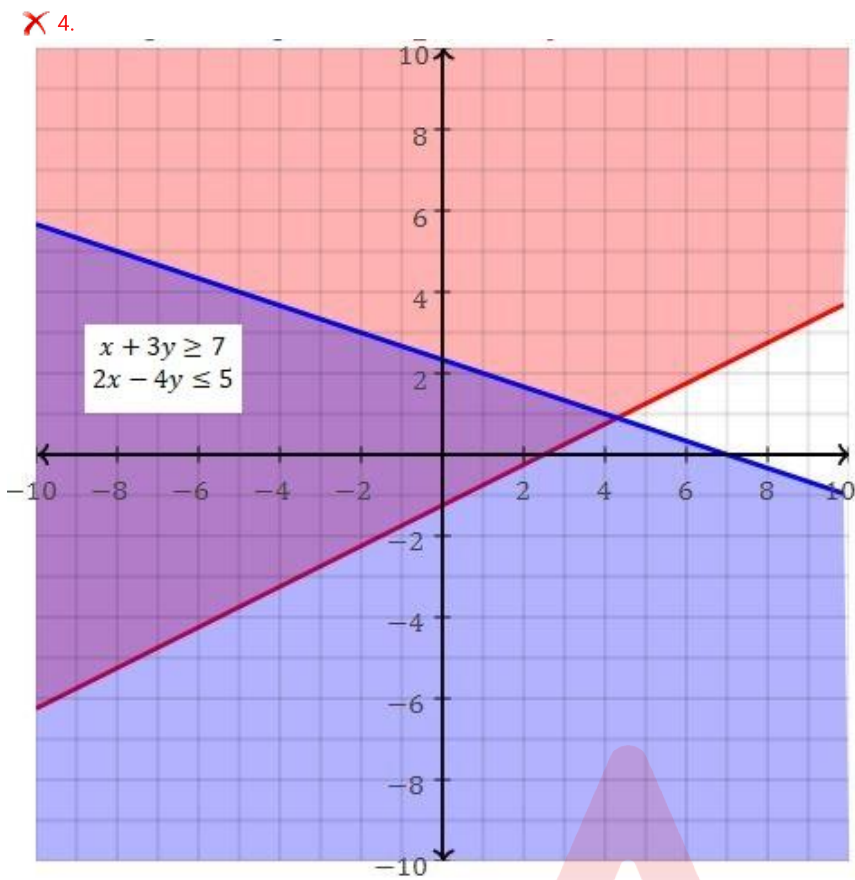


✗ 2.



✓ 3.





Question Type : MCQ
Question ID : 630680844593
Option 1 ID : 6306803308300
Option 2 ID : 6306803308299
Option 3 ID : 6306803308298
Option 4 ID : 6306803308301
Status : Answered
Chosen Option : 1
Marks : -0.25

Q.191 A lighthouse spreads light at an angle of 100° over the sea to a distance of 24 km. A ship is seen where the arc sweeps an area of 385 km^2 . The distance of the ship (in km) from the light house is _____.
(Use $\pi = \frac{22}{7}$)

- Ans ✓ 1. 21
 ✗ 2. 63
 ✗ 3. 24
 ✗ 4. 147

Question Type : MCQ
Question ID : 630680851821
Option 1 ID : 6306803336348
Option 2 ID : 6306803336350
Option 3 ID : 6306803336349
Option 4 ID : 6306803336351
Status : Answered
Chosen Option : 1
Marks : 1

Q.192 Talk for Learning refers to using talk as a way to improve thinking and understanding both inside and outside the classroom. Talk as a technique for improving thinking and learning was theorised by _____.

- Ans
- ☒ 1. Jean Piaget
 - ☒ 2. Lev Vygotsky
 - ☒ 3. Lawrence Kohlberg
 - ☒ 4. Erik Erikson

Question Type : MCQ
Question ID : 630680879746
Option 1 ID : 6306803445639
Option 2 ID : 6306803445638
Option 3 ID : 6306803445640
Option 4 ID : 6306803445641
Status : Answered
Chosen Option : 2
Marks : 1

Q.193 The 5E Instructional Model is a constructivist model with 5 stages: Engage, Estimate, Explain, Elaborate, and Evaluate. Which of the following Es is mentioned inconsistently here?

- Ans
- ☒ 1. Estimate
 - ☒ 2. Engage
 - ☒ 3. Elaborate
 - ☒ 4. Evaluate

Question Type : MCQ
Question ID : 630680879585
Option 1 ID : 6306803444997
Option 2 ID : 6306803444996
Option 3 ID : 6306803444995
Option 4 ID : 6306803444994
Status : Answered
Chosen Option : 1
Marks : 1

Q.194 If $A = \begin{bmatrix} a_{ij} \end{bmatrix}_{5 \times 7}$ and $B = \begin{bmatrix} b_{ij} \end{bmatrix}_{7 \times 3}$, the order of AB is:

- Ans
- ☒ 1. 3×3
 - ☒ 2. 5×5
 - ☒ 3. 5×3
 - ☒ 4. 7×7

Question Type : MCQ
Question ID : 630680842986
Option 1 ID : 6306803301991
Option 2 ID : 6306803301989
Option 3 ID : 6306803301990
Option 4 ID : 6306803301988
Status : Answered
Chosen Option : 3
Marks : 1

Q.195

The value of $\frac{\sin(-420^\circ)}{\tan \frac{3\pi}{4}}$ is _____.

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

Question Type : MCQ

Question ID : 630680845589

Option 1 ID : 6306803312242

Option 2 ID : 6306803312239

Option 3 ID : 6306803312241

Option 4 ID : 6306803312240

Status : Answered

Chosen Option : 2

Marks : 1

Q.196 Solve $3x - 5 < 7$.

- Ans
- ☒ 1. $0 < x < 12$
 - ☒ 2. $-2 < x < 12$
 - ☒ 3. $0 < x < 4$
 - ☒ 4. $-\frac{2}{3} < x < 4$

Question Type : MCQ

Question ID : 630680843234

Option 1 ID : 6306803302952

Option 2 ID : 6306803302949

Option 3 ID : 6306803302950

Option 4 ID : 6306803302951

Status : Answered

Chosen Option : 3

Marks : -0.25

Q.197 Tangents from a point A at a distance of 25 cm from the centre O of a circle of radius 7 cm meets the circle at B and C. The area of the quadrilateral OBAC (in cm^2) is _____.

- Ans ☒ 1. 168
☒ 2. 600
☒ 3. 175
☒ 4. 84

Question Type : MCQ
Question ID : 630680851063
Option 1 ID : 6306803333394
Option 2 ID : 6306803333396
Option 3 ID : 6306803333395
Option 4 ID : 6306803333393
Status : Answered
Chosen Option : 1
Marks : 1

Q.198 Which of the given options is true for the following statements?

Statement A: Frequency polygons are used when the data is continuous and very large.
Statement B: Frequency polygon is a line graph connecting the class intervals with their respective cumulative frequencies.

- Ans ☒ 1. Statement A is true, but statement B is false.
☒ 2. Both statements A and B are false.
☒ 3. Statement B is true, but statement A is false.
☒ 4. Both statements A and B are true.

Question Type : MCQ
Question ID : 630680853231
Option 1 ID : 6306803341818
Option 2 ID : 6306803341821
Option 3 ID : 6306803341819
Option 4 ID : 6306803341820
Status : Answered
Chosen Option : 4
Marks : -0.25

**Test
Prime**

By Adda247

PREVIOUS YEAR PAPERS PDF



PRACTICE MORE, SCORE HIGHER!



**Free
25,000+
PDF's**

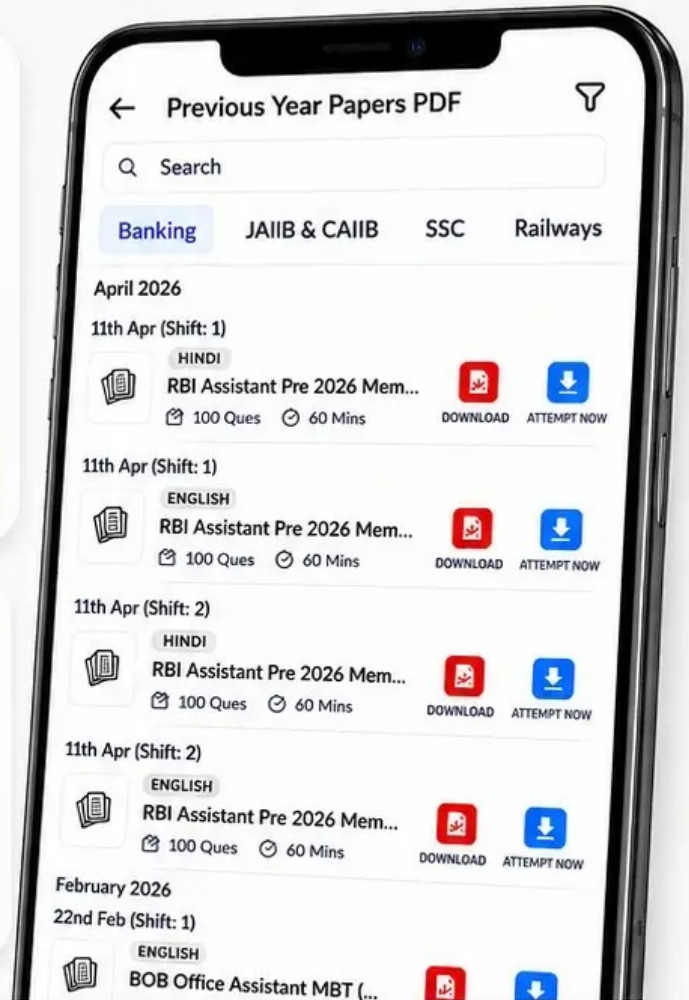
High-Quality | Exam-Wise | Updated Regularly



**ATTEMPT AS
MOCK**



Turn PDFs into real exam experience.
Analyze. Improve. Succeed.



Topic-wise &
Exam-wise PDFs



Download &
Study Offline



Attempt as Mock
& Track Score



Smart Analysis
& Performance

AVAILABLE IN



Banking



SSC



Railway



Teaching



UGC



Agriculture



Nursing



Bihar



UP



Punjab



WB



Odisha



TN



AP & Telangana



Haryana



DOWNLOAD TEST PRIME

Test

Prime



SUCCESS GALLERY!

★ MEET THE ACHIEVERS ★



Kunal, RRB JE



Shivam, UPSSSC AGTA



Priya, ANM



KHALILUR, LDA



Manoj, PWD



Atin, JENPAS



Shatarupa, OPSC



Arpita, JENPAS



Shital, SSC JE (Mech)



Nancy, UGC NET



Atul, SSC JE (ELCT)



Rahul, SSC JE (CIVIL)



Anand, SSC JE (ELCT)



Mohan, SSC JE (ELCT)



Saurabh, UGC NET



Ved, SSC JE (Mech)

★ THEY DID IT. YOU CAN TOO ★

READ THEIR STORIES!



Q.199 A box contains cards with one of the digits 1, 2, 3, 4, 5, 6 on it. If there are two cards each only for the even numbers, then the probability of picking a card with digit 1, 4 or 6 is ____.

- Ans
- ☒ 1. $\frac{4}{9}$
 - ☒ 2. $\frac{1}{2}$
 - ☒ 3. $\frac{2}{3}$
 - ☒ 4. $\frac{5}{9}$

Question Type : MCQ
Question ID : 630680854053
Option 1 ID : 6306803345019
Option 2 ID : 6306803345018
Option 3 ID : 6306803345021
Option 4 ID : 6306803345020
Status : Answered
Chosen Option : 4
Marks : 1

Q.200 Match the blanks in column I with an apt word from column II.

Column I	Column II
(a) ____ is a subset of co-domain.	(i) True
(b) It is ____ that for all relations $R : A \rightarrow B$, its domain is A.	(ii) Co-domain
(c) For all functions $f : A \rightarrow B$, set B is its ____.	(iii) Range
(d) It is ____ that all functions are relations..	(iv) False
	(v) Domain

- Ans
- ☒ 1. (a)-(iii), (b)-(i), (c)-(ii), (d)-(iv)
 - ☒ 2. (a)-(iii), (b)-(iv), (c)-(ii), (d)-(i)
 - ☒ 3. (a)-(ii), (b)-(i), (c)-(v), (d)-(iv)
 - ☒ 4. (a)-(v), (b)-(iv), (c)-(i), (d)-(ii)

Question Type : MCQ
Question ID : 630680845517
Option 1 ID : 6306803311953
Option 2 ID : 6306803311952
Option 3 ID : 6306803311954
Option 4 ID : 6306803311951
Status : Answered
Chosen Option : 2
Marks : 1