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TGT

Previous Year Paper
(Mathematics)
17 May, 2023 Shift 1

Odisha Adarsha Vidyalaya Sangathan

Department of School & Mass Education, Govt. Of Odisha

Participant ID	
Participant Name	
Test Center Name	
Test Date	17/05/2023
Test Time	9:00 AM - 12:20 PM
Subject	TGT Mathematics

Section : **Language Proficiency Test-General English**

Q.1 **Select the option that expresses the given sentence in direct speech.**
Jharna said that Mohan didn't work in her office anymore.

Ans ✗ 1. Jharna said "Mohan doesn't worked in my office anymore."

✗ 2. Jharna said "Mohan didn't work in my office anymore."

✗ 3. Jharna said "Mohan don't work in my office anymore."

✔ 4. Jharna said "Mohan doesn't work in my office anymore."

Question ID : **630680224039**
Option 1 ID : **630680868874**
Option 2 ID : **630680868871**
Option 3 ID : **630680868873**
Option 4 ID : **630680868872**
Status : **Answered**
Chosen Option : **4**

Q.2 **Select the most appropriate ANTONYM of the underlined word.**
The conversation quickly shifted to the ongoing Russian war in Ukraine.

Ans ✗ 1. Temporally

✗ 2. Finally

✗ 3. Eagerly

✔ 4. Slowly

Question ID : **630680224004**
Option 1 ID : **630680868732**
Option 2 ID : **630680868734**
Option 3 ID : **630680868731**
Option 4 ID : **630680868733**
Status : **Answered**
Chosen Option : **4**

Q.3 Select the option that expresses the given sentence in passive voice. Please pay close attention to the instructions.

Ans ✗ 1. You were requested to pay close attention to the instructions.

✓ 2. You are requested to pay close attention to the instructions.

✗ 3. You are requested to pay closed attention to the instructions.

✗ 4. You requested to pay close attention to the instructions.

Question ID : **630680224043**
Option 1 ID : **630680868889**
Option 2 ID : **630680868890**
Option 3 ID : **630680868888**
Option 4 ID : **630680868887**
Status : **Answered**
Chosen Option : **2**

Q.4 Select the option that expresses the given sentence in reported speech. The boy explained "I don't like liars".

Ans ✗ 1. The boy explained that he doesn't like liars.

✗ 2. The boy explained that he didn't likes liars.

✓ 3. The boy explained that he didn't like liars.

✗ 4. The boy explained that he didn't liked liars.

Question ID : **630680224036**
Option 1 ID : **630680868860**
Option 2 ID : **630680868861**
Option 3 ID : **630680868859**
Option 4 ID : **630680868862**
Status : **Answered**
Chosen Option : **3**

Q.5 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.
I caught myself in the / reflection, and I looked / like a zombie, just / walking in round circles.

Ans ✗ 1. like a zombie, just

✗ 2. reflection, and I looked

✗ 3. I caught myself in the

✓ 4. walking in round circles.

Question ID : **630680224028**
Option 1 ID : **630680868829**
Option 2 ID : **630680868828**
Option 3 ID : **630680868827**
Option 4 ID : **630680868830**
Status : **Answered**
Chosen Option : **2**

Q.6 Select the most appropriate synonym of the underlined word.
From the very beginning, Jaya had a <u>premonition</u> of danger, of menace.

Ans ✔ 1. Foreboding

✘ 2. Situation

✘ 3. Preparation

✘ 4. Condition

Question ID : **630680224008**
Option 1 ID : **630680868749**
Option 2 ID : **630680868748**
Option 3 ID : **630680868750**
Option 4 ID : **630680868747**
Status : **Not Answered**
Chosen Option : **--**

Q.7 Select the most appropriate meaning of the underlined proverb.
Be very careful Rajni, <u>don't put all your eggs in one basket</u>.

Ans ✘ 1. Try not to have more than one person helping you

✔ 2. You should not concentrate all your efforts and resources in one area as you could lose everything

✘ 3. You should avoid going out with all friends together

✘ 4. You should put all your money locked up in one bank

Question ID : **630680224012**
Option 1 ID : **630680868763**
Option 2 ID : **630680868764**
Option 3 ID : **630680868765**
Option 4 ID : **630680868766**
Status : **Answered**
Chosen Option : **2**

Q.8 The following sentence has been split into four segments. Identify the segment that contains a spelling error.
Resusitation restored the circulation, / however, Mr. Dahiya required artificial / ventilation and support thereafter / which was not good news.

Ans ✔ 1. Resusitation restored the circulation,

✘ 2. which was not good news

✘ 3. however, Mr. Dahiya required artificial

✘ 4. ventilation and support thereafter

Question ID : **630680224017**
Option 1 ID : **630680868783**
Option 2 ID : **630680868786**
Option 3 ID : **630680868784**
Option 4 ID : **630680868785**
Status : **Answered**
Chosen Option : **2**

Q.9 Select the most appropriate meaning of the underlined idiom/phrase.
I can never win an argument with my wife because she is quick on the draw, no matter what I say.

Ans ✗ 1. Especially quick to cool down

✗ 2. Quite easily angered

✓ 3. Very fast in acting or reacting

✗ 4. Extremely knowledgeable in most matters

Question ID : **630680224010**
Option 1 ID : **630680868758**
Option 2 ID : **630680868756**
Option 3 ID : **630680868757**
Option 4 ID : **630680868755**
Status : **Answered**
Chosen Option : **4**

Q.10 Select the option that can be used as a one-word substitute for the given group of words.
Even in today's modern world, the system controlled by men has not disappeared, it has merely changed form.

Ans ✗ 1. Patrimony

✓ 2. Patriarchy

✗ 3. Matriarchy

✗ 4. Anarchy

Question ID : **630680224025**
Option 1 ID : **630680868815**
Option 2 ID : **630680868817**
Option 3 ID : **630680868818**
Option 4 ID : **630680868816**
Status : **Not Answered**
Chosen Option : **--**

Q.11 Select the most appropriate option to fill in the blanks.

In recent years, there has been a surge in climate lawsuits aiming to use the legal system to _____ the gaps on climate change action, many with a focus on the impacts climate change will have on future generations. In 2021, a case brought by young environmental activists to Germany's constitutional court _____ to a ruling that the country's current emissions reductions were insufficient to _____ future generations.

Ans ✓ 1. close, led, protect

✗ 2. cover, turned, cherish

✗ 3. challenge, resulted, secure

✗ 4. open, evolved, safeguard

Question ID : **630680224021**
Option 1 ID : **630680868801**
Option 2 ID : **630680868800**
Option 3 ID : **630680868799**
Option 4 ID : **630680868802**
Status : **Answered**
Chosen Option : **2**

Q.12 Identify the option that can correctly replace the underlined segment.
On Wednesday, a representative of the World Bank said it planned to interview a shortlist <u>of up to three candidates and aimed to name a new leader early by May</u>.

Ans ✗ 1. for up to three candidates and aimed to name a new leader by earliest May

✗ 2. of up to three candidates and aimed to name a new leader till early May

✗ 3. of up to three candidates and aimed to naming a new leader early by May

✔ 4. of up to three candidates and aimed to name a new leader by early May

Question ID : **630680224033**
Option 1 ID : **630680868847**
Option 2 ID : **630680868848**
Option 3 ID : **630680868849**
Option 4 ID : **630680868850**
Status : **Answered**
Chosen Option : **4**

Q.13 Identify the option that can correctly replace the underlined segment.
Last year, Mr. Malpass was publicly rebuked by the White House after he said he did not know <u>if fossil fuels were driving climate change, remarks for which he lately apologised</u>.

Ans ✗ 1. if fossil fuels were driving climate change, remarks for that he later apologised.

✔ 2. if fossil fuels were driving climate change, remarks for which he later apologised.

✗ 3. if fossil fuels were driving climate change, remarks at which he latest apologised.

✗ 4. if fossil fuels were driving climate change, remarks for which he laterly apologised or not.

Question ID : **630680224034**
Option 1 ID : **630680868852**
Option 2 ID : **630680868853**
Option 3 ID : **630680868854**
Option 4 ID : **630680868851**
Status : **Not Answered**
Chosen Option : **--**

Q.14 Select the option that can be used as a one-word substitute for the given group of words.
The new CEO of the company was often described as a <u>shrewd, loud-mouthed woman</u> for her assertive and aggressive leadership style.

Ans ✗ 1. Tramp

✗ 2. Hermaphrodite

✗ 3. Virtuoso

✔ 4. Virago

Question ID : **630680224027**
Option 1 ID : **630680868826**
Option 2 ID : **630680868823**
Option 3 ID : **630680868824**
Option 4 ID : **630680868825**
Status : **Not Answered**
Chosen Option : **--**

Q.15 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.
Historical objects those are / excavated by archaeologists / hold a lot of intrinsic / as well as extrinsic value.

Ans ✗ 1. as well as extrinsic value

✓ 2. Historical objects those are

✗ 3. hold a lot of intrinsic

✗ 4. excavated by archaeologists

Q.16 Select the most appropriate option to fill in the blanks.

The ancient Indian medical system of Ayurveda, which is rooted in nature-based healing methods, was widely taught at Nalanda and _____ migrated to other parts of India via alumni. Other Buddhist institutions _____ inspiration from the campus' design of open courtyards enclosed by prayer halls and lecture rooms. And the stucco produced here influenced ecclesiastical art in Thailand, and metal art migrated _____ here to Tibet and the Malayan peninsula.

Ans ✓ 1. then, drew, from

✗ 2. than, sought, through

✗ 3. next, took, across

✗ 4. hence, received, to

Q.17 Select the most appropriate ANTONYM of the underlined word.
It has been a story which has had it all - grief, unimaginable violence, but also <u>resilience</u> and hope.

Ans ✗ 1. Durability

✓ 2. Fragility

✗ 3. Persistence

✗ 4. Pliancy

Q.18 Select the option that expresses the given sentence in active voice.
You will be visited by an angel today.

Ans ✗ 1. An angel would visited you today.

✗ 2. An angel is visiting you that day.

✗ 3. You will be visit by an angel today.

✓ 4. An angel is visiting you today.

Question ID : **630680224040**
Option 1 ID : **630680868876**
Option 2 ID : **630680868877**
Option 3 ID : **630680868878**
Option 4 ID : **630680868875**
Status : **Answered**
Chosen Option : **4**

Q.19 The following sentence has been split into four segments. Identify the segment that contains a spelling error.
Emotions influence us mentally, / spiritually, psychologically and / physiologically in everyday life as we are / overwelmed by negative emotions.

Ans ✗ 1. spiritually, psychologically and

✗ 2. Emotions influence us mentally,

✓ 3. overwelmed by negative emotions

✗ 4. physiologically in everyday life as we are

Question ID : **630680224016**
Option 1 ID : **630680868780**
Option 2 ID : **630680868779**
Option 3 ID : **630680868782**
Option 4 ID : **630680868781**
Status : **Not Answered**
Chosen Option : **--**

Q.20 Select the most appropriate option to fill in the blanks.

After a trauma, there is a window known as the 'golden hours', a critical period in which action to _____ people's mental health can limit long-term damage, _____ as post-traumatic stress disorder (PTSD), anxiety and depression.

Ans ✗ 1. maintain, where

✗ 2. check, listed

✗ 3. deteriorate, labelled

✓ 4. support, such

Question ID : **630680224018**
Option 1 ID : **630680868788**
Option 2 ID : **630680868789**
Option 3 ID : **630680868790**
Option 4 ID : **630680868787**
Status : **Answered**
Chosen Option : **1**

Section : **Language Proficiency Test-Odia**

Q.1 ଏ ଛବିଟି କି ସୁନ୍ଦର!- ଏହା କେଉଁ ପ୍ରକାର ବାକ୍ୟ?

Ans ✔ 1. ବିସ୍ମୟ ସୂଚକ

✘ 2. ନାସ୍ତି ସୂଚକ

✘ 3. ପ୍ରଶ୍ନ ସୂଚକ

✘ 4. ବିବୃତି ସୂଚକ

Question ID : **630680224396**
Option 1 ID : **630680870296**
Option 2 ID : **630680870298**
Option 3 ID : **630680870297**
Option 4 ID : **630680870295**
Status : **Answered**
Chosen Option : **1**

Q.2 ଶୁଦ୍ଧଶବ୍ଦ ଚିହ୍ନାଅ

Ans ✘ 1. ଦୁର୍ଦ୍ଧଷ

✘ 2. ଦୁର୍ଦ୍ଧଷ

✘ 3. ଦୁର୍ଦ୍ଧଷ

✔ 4. ଦୁର୍ଦ୍ଧର୍ଷ

Question ID : **630680224402**
Option 1 ID : **630680870319**
Option 2 ID : **630680870320**
Option 3 ID : **630680870321**
Option 4 ID : **630680870322**
Status : **Answered**
Chosen Option : **2**

Q.3 ଉପଯୁକ୍ତ ଶବ୍ଦପୁଞ୍ଜ ସାହାଯ୍ୟରେ ପ୍ରବାଦଟି ପୂର୍ଣ୍ଣକର ।
କାହାର ପୁଷମାସ- କାହାର _____ ।

Ans ✘ 1. କ୍ଷୀରିଭାତ

✘ 2. ଛିଣ୍ଡାବେଶ

✔ 3. ସର୍ବନାଶ

✘ 4. ଭାତମାଂସ

Question ID : **630680224387**
Option 1 ID : **630680870259**
Option 2 ID : **630680870262**
Option 3 ID : **630680870261**
Option 4 ID : **630680870260**
Status : **Answered**
Chosen Option : **3**

Q.4 ଉଦୀତୀ କାହାର ବିପରୀତାର୍ଥ ବୋଧକ ଶବ୍ଦ?

Ans ✗ 1. ଅଦାତୀ

✗ 2. ଅନୁଦାତୀ

✗ 3. ଦିତୀ

✔ 4. ଅବାତୀ

Question ID : **630680224375**
Option 1 ID : **630680870212**
Option 2 ID : **630680870214**
Option 3 ID : **630680870211**
Option 4 ID : **630680870213**
Status : **Not Answered**
Chosen Option : **--**

Q.5 'ଭିକ୍ଷାର ଅଭାବ' ପାଇଁ ଉପଯୁକ୍ତ ବିକଳ୍ପ ଶବ୍ଦ ବାଛ ।

Ans ✗ 1. ଭିକ୍ଷାଦାନ

✔ 2. ଦୁର୍ଭିକ୍ଷ

✗ 3. ଅଭିକ୍ଷ

✗ 4. ଭିକ୍ଷାହୀନ

Question ID : **630680224389**
Option 1 ID : **630680870268**
Option 2 ID : **630680870269**
Option 3 ID : **630680870270**
Option 4 ID : **630680870267**
Status : **Answered**
Chosen Option : **2**

Q.6 ଅକାଳକାଣ୍ଡ କପାଲେବାଜେ; ଲୋକୋକ୍ତିର ଅର୍ଥ କ'ଣ?

Ans ✔ 1. ଆକସ୍ମିକ ବିପଦ ଭୋଗ

✗ 2. ଆକସ୍ମିକ ଧନ ଲାଭ

✗ 3. ଅସମୟରେ କାର୍ଯ୍ୟ ସାଧନ

✗ 4. ଆକସ୍ମିକ ଭାଗ୍ୟ ପରିବର୍ତ୍ତନ

Question ID : **630680224385**
Option 1 ID : **630680870252**
Option 2 ID : **630680870253**
Option 3 ID : **630680870251**
Option 4 ID : **630680870254**
Status : **Not Answered**
Chosen Option : **--**

Q.7 ମୁଁ ବନ୍ଧୁଙ୍କୁ ନିମନ୍ତ୍ରଣ କଲି, ମାତ୍ର ସେ ଏହାକୁ ଗ୍ରହଣ କଲେ ନାହିଁ; ଏହା କେଉଁ ପ୍ରକାର ବାକ୍ୟ?

Ans ✗ 1. ସରଳ

✗ 2. ମିଶ୍ର

✔ 3. ଯୌଗିକ

✗ 4. ଜଟିଳ

Question ID : **630680224400**
Option 1 ID : **630680870311**
Option 2 ID : **630680870314**
Option 3 ID : **630680870312**
Option 4 ID : **630680870313**
Status : **Answered**
Chosen Option : **4**

Q.8 ଉପଯୁକ୍ତ ଶବ୍ଦ ବାଛି ଶୂନ୍ୟସ୍ଥାନ ପୂରଣକର ।
ଦୀପଟି _____ ଜଳୁଛି ।

Ans ✗ 1. ଦପଦପ

✗ 2. ସିଧାସିଧା

✔ 3. ଦିକିଦିକ

✗ 4. ଧକଧକ

Question ID : **630680224377**
Option 1 ID : **630680870220**
Option 2 ID : **630680870222**
Option 3 ID : **630680870221**
Option 4 ID : **630680870219**
Status : **Answered**
Chosen Option : **1**

Q.9 ମୋର ଭାଇ ଜଣେ _____ ବ୍ୟକ୍ତି ।

Ans ✗ 1. ଅଯୋଗବାହ

✔ 2. ଅନୁଶ୍ୱର

✗ 3. ସ୍ୱର

✗ 4. ନାସିକ୍ୟ

Question ID : **630680224365**
Option 1 ID : **630680870174**
Option 2 ID : **630680870173**
Option 3 ID : **630680870172**
Option 4 ID : **630680870171**
Status : **Not Answered**
Chosen Option : **--**

Q.10 'ଅଠାବୋଳିବା' ରୂଢ଼ିର ଅର୍ଥ ବାଛ ।

Ans   ✗ 1. ଯୋଡ଼ିବା

      ✗ 2. ଦୋଷ ଦେଖିବା

      ✗ 3. ଦୋଷ କରିବା

      ✔ 4. ଦୋଷଦେବା

Question ID : **630680224380**
Option 1 ID : **630680870234**
Option 2 ID : **630680870232**
Option 3 ID : **630680870233**
Option 4 ID : **630680870231**
Status : **Answered**
Chosen Option : **4**

Q.11 କେଉଁଟି ଜଳର ପ୍ରତିଶବ୍ଦ?

Ans   ✗ 1. ସନ୍ଧ୍ୟ

      ✔ 2. ତୋୟ

      ✗ 3. କୁଧର

      ✗ 4. ପ୍ରସୂବଣ

Question ID : **630680224373**
Option 1 ID : **630680870206**
Option 2 ID : **630680870204**
Option 3 ID : **630680870203**
Option 4 ID : **630680870205**
Status : **Not Answered**
Chosen Option : **--**

Q.12 ଗୋଟିଏ ମାତ୍ର ସମାପିକା କ୍ରିୟା ଥିବା ବାକ୍ୟକୁ କେଉଁ ବାକ୍ୟ କୁହାଯାଏ?

Ans   ✗ 1. ଜଟିଳ ବାକ୍ୟ

      ✗ 2. ମିଶ୍ର ବାକ୍ୟ

      ✗ 3. ଯୌଗିକବାକ୍ୟ

      ✔ 4. ସରଳବାକ୍ୟ

Question ID : **630680224398**
Option 1 ID : **630680870305**
Option 2 ID : **630680870306**
Option 3 ID : **630680870304**
Option 4 ID : **630680870303**
Status : **Answered**
Chosen Option : **4**

Q.13 ଜୟରାମ ଏକ ଲୟରେ ସୂର୍ଯ୍ୟଙ୍କୁ ଦେଖୁଛି; ଏହା କେଉଁ ବାଚ୍ୟର ବାକ୍ୟ?

Ans ✔ 1. କର୍ତ୍ତୃବାଚ୍ୟ

✘ 2. କର୍ମବାଚ୍ୟ

✘ 3. ଭାବବାଚ୍ୟ

✘ 4. କର୍ତ୍ତୃକର୍ମବାଚ୍ୟ

Question ID : **630680224392**
Option 1 ID : **630680870279**
Option 2 ID : **630680870280**
Option 3 ID : **630680870282**
Option 4 ID : **630680870281**
Status : **Not Answered**
Chosen Option : --

Q.14 ଶୁଦ୍ଧବାକ୍ୟଟିକୁ ଚିହ୍ନାଇ ଦିଅ ।

Ans ✔ 1. ଅନସୂୟ୍ୟା ସୀତାଙ୍କୁ ଅମ୍ଲାନବସ୍ତ୍ର ଦେଇଥିଲେ ।

✘ 2. ଅନୁସୁୟ୍ୟା ସୀତାଙ୍କୁ ଅମ୍ଲାନ ବସ୍ତ୍ର ଦେଇଥିଲେ ।

✘ 3. ଅନୁସୁୟ୍ୟା ସୀତାଙ୍କୁ ଅମ୍ଲାନ ବସ୍ତ୍ର ଦେଇଥିଲେ ।

✘ 4. ଅନସୁୟ୍ୟା ସୀତାଙ୍କୁ ଅମ୍ଲାନବସ୍ତ୍ର ଦେଇଥିଲେ ।

Question ID : **630680224369**
Option 1 ID : **630680870188**
Option 2 ID : **630680870187**
Option 3 ID : **630680870189**
Option 4 ID : **630680870190**
Status : **Answered**
Chosen Option : **1**

Q.15 କେଉଁଟି କର୍ମବାଚ୍ୟର ଉଦାହରଣ ନୁହେଁ?

Ans ✘ 1. ତାଙ୍କ ଦ୍ୱାରା ପ୍ରତିଦିନ ପୁରାଣ ପଠିତ ହୁଏ

✘ 2. ମୋର ଖିଆ ସରିଲେ ସ୍କୁଲ ଯିବା ହେବ

✘ 3. ମାଆଙ୍କ ଦ୍ୱାରା ପୁଅକୁ ଜଳଖିଆ ଦିଆହେଲା

✔ 4. ତୁମେ ସବୁ କଥା ଜାଣ

Question ID : **630680224394**
Option 1 ID : **630680870289**
Option 2 ID : **630680870288**
Option 3 ID : **630680870287**
Option 4 ID : **630680870290**
Status : **Answered**
Chosen Option : **4**

Q.16 କେଉଁଟି ଶୁଦ୍ଧ ଶବ୍ଦରୂପ ଚିହ୍ନାଅ ।

Ans ✗ 1. ଶଶିଭୂଶଣ

✗ 2. ଶଶୀଭୁଷଣ

✓ 3. ଶଶିଭୁଷଣ

✗ 4. ଶଶୀଭୁଷଣ

Question ID : **630680224367**
Option 1 ID : **630680870182**
Option 2 ID : **630680870180**
Option 3 ID : **630680870181**
Option 4 ID : **630680870179**
Status : **Answered**
Chosen Option : **3**

Q.17 'ମାଗଣାରେ ଖାଇବା' ଅର୍ଥରେ କେଉଁ ରୂଢ଼ି ବ୍ୟବହୃତ ହୋଇପାରେ?

Ans ✗ 1. ନସ୍ୟ ସେବନ

✗ 2. ନାରାୟଣ ସେବା

✓ 3. ଉଠିଆ ଖାଇବା

✗ 4. ହାତରୁ ଖାଇବା

Question ID : **630680224382**
Option 1 ID : **630680870242**
Option 2 ID : **630680870239**
Option 3 ID : **630680870240**
Option 4 ID : **630680870241**
Status : **Not Answered**
Chosen Option : **--**

Q.18 କେଉଁଟି ଲତାର ପ୍ରତିଶବ୍ଦ ନୁହେଁ?

Ans ✓ 1. ପତ୍ରୀ

✗ 2. ବ୍ରତତୀ

✗ 3. ବଲ୍ଲରୀ

✗ 4. ବଲ୍ଲୀ

Question ID : **630680224371**
Option 1 ID : **630680870198**
Option 2 ID : **630680870196**
Option 3 ID : **630680870197**
Option 4 ID : **630680870195**
Status : **Not Answered**
Chosen Option : **--**

Q.19 ଶୁଦ୍ଧଶବ୍ଦ ଚିହ୍ନାଅ

Ans ✅ 1. ଦୁଃଖ୍ଧିନୀ

✖ 2. ଦୁଖ୍ଧିନୀ

✖ 3. ଦୁଃଖୀନି

✖ 4. ଦୁଖୀନୀ

Question ID : **630680224403**
Option 1 ID : **630680870325**
Option 2 ID : **630680870323**
Option 3 ID : **630680870324**
Option 4 ID : **630680870326**
Status : **Answered**
Chosen Option : **1**

Q.20 ସେ ରାଗରେ ଦାନ୍ତ _____ କରୁଛନ୍ତି ।

Ans ✖ 1. ଗରଗର

✅ 2. କଡ଼ମଡ଼

✖ 3. କଟମଟ

✖ 4. କୁହୁକୁହୁ

Question ID : **630680224379**
Option 1 ID : **630680870227**
Option 2 ID : **630680870228**
Option 3 ID : **630680870230**
Option 4 ID : **630680870229**
Status : **Not Answered**
Chosen Option : **--**

Section : **Current Affairs**

Q.1 In January 2023, the Supreme Court delivered _____ reportable judgments in various fields of law.

Ans ✖ 1. 79

✖ 2. 64

✅ 3. 84

✖ 4. 74

Question ID : **630680224320**
Option 1 ID : **630680869994**
Option 2 ID : **630680869993**
Option 3 ID : **630680869991**
Option 4 ID : **630680869992**
Status : **Not Answered**
Chosen Option : **--**

Q.2 Which of the following Indian personalities was NOT an attendee at the Global Methane, Climate and Clean Air Forum, which took place in Washington, D.C. from 26 September 2022 to 30 September 2022?

Ans ✘ 1. Chiranjib Patra, Central Mine Planning and Design Institute

✘ 2. Vinod Kumar Tiwari, Ministry of Coal

✔ 3. Rameswar Teli, Ministry of Petroleum & Natural Gas

✘ 4. Achyut Ghatak, Coal India Limited

Question ID : **630680224333**
Option 1 ID : **630680870046**
Option 2 ID : **630680870043**
Option 3 ID : **630680870044**
Option 4 ID : **630680870045**
Status : **Not Answered**
Chosen Option : **--**

Q.3 As of March 2023, which of the following statements are true about Anganwadi Centres (AWCs) in India?
I. Under 'Saksham Anganwadi', every year, 40,000 Anganwadi Centres (AWCs) across the country will be strengthened and upgraded for improved nutrition delivery and for early childhood care and education for development of children aged below 6 years.
II. The cost of construction of a toilet per AWC has been revised to ₹36,000 from ₹12,000.
III. The cost for providing drinking water facilities per AWC has been revised to ₹17,000 from ₹10,000.

Ans ✘ 1. All of I, II and III

✘ 2. Only I and II

✘ 3. Only II and III

✔ 4. Only I and III

Question ID : **630680224354**
Option 1 ID : **630680870130**
Option 2 ID : **630680870127**
Option 3 ID : **630680870128**
Option 4 ID : **630680870129**
Status : **Answered**
Chosen Option : **1**

Q.4 Which of the following statements are correct with respect to women safeguarding in various states in India as of 23 February 2023?
I. The SHE teams were launched by the Government of Telangana on 24 October 2014.
II.Mission Shakti is a key development initiative by the Government of Odisha for the empowerment of women.
III. Kavalan SOS App for Women has been launched in Tamil Nadu, which can be used by citizens to alert the police if they are caught in emergency situations.
IV. Jharkhand has launched an app for women's safety called 'Shakti', which allows women to send a distress call directly to the police in the control room and their relatives/friends, in case of any emergency.

Ans ✗ 1. Only I, II and III

✓ 2. All of I, II, III and IV

✗ 3. Only II, III and IV

✗ 4. Only I, III and IV

Question ID : **630680224352**
Option 1 ID : **630680870119**
Option 2 ID : **630680870122**
Option 3 ID : **630680870120**
Option 4 ID : **630680870121**
Status : **Answered**
Chosen Option : **2**

Q.5 Till 28 December 2022, which state had registered the highest number of unorganised workers on the 'eShram' portal?

Ans ✓ 1. Uttar Pradesh

✗ 2. West Bengal

✗ 3. Madhya Pradesh

✗ 4. Bihar

Question ID : **630680224350**
Option 1 ID : **630680870112**
Option 2 ID : **630680870113**
Option 3 ID : **630680870111**
Option 4 ID : **630680870114**
Status : **Not Answered**
Chosen Option : **--**

Q.6 According to the Ministry of Finance, in the month of September 2022, what percentage rise was observed in the GST collections, making them reach over ₹1.47 lakh crore?

Ans ✗ 1. 36%

✓ 2. 26%

✗ 3. 20%

✗ 4. 30%

Question ID : **630680224329**
Option 1 ID : **630680870030**
Option 2 ID : **630680870029**
Option 3 ID : **630680870028**
Option 4 ID : **630680870027**
Status : **Not Answered**
Chosen Option : **--**

Q.7 In a first, the Archaeological Survey of India got a notice, in December 2022, to pay property & water tax on the _____.

Ans ✗ 1. Red Fort

✗ 2. Golconda Fort

✗ 3. Mysore Palace

✓ 4. Taj Mahal

Question ID : **630680224358**
Option 1 ID : **630680870144**
Option 2 ID : **630680870145**
Option 3 ID : **630680870143**
Option 4 ID : **630680870146**
Status : **Not Answered**
Chosen Option : **--**

Q.8 Which of the following statements are correct about the Women's T20 World Cup?
1. England is the host for the ICC Women's T20 World Cup-2023.
2. South Africa reached the semi-finals of the ICC Women's T20 World Cup-2023 by beating Bangladesh.
3. The target set by Bangladesh was of 114 runs.

Ans ✗ 1. Only 1 and 2

✓ 2. Only 2 and 3

✗ 3. All of 1, 2 and 3

✗ 4. Only 1 and 3

Question ID : **630680224310**
Option 1 ID : **630680869951**
Option 2 ID : **630680869952**
Option 3 ID : **630680869954**
Option 4 ID : **630680869953**
Status : **Not Answered**
Chosen Option : **--**

Q.9 Who among the following became the first Indian to go under 13 seconds in the women's 100 m hurdles by breezing past the finish line in 12.82 seconds at the 61st National Open Athletics Championships, held at the Sree Kanteerava Stadium, Bengaluru in October 2022?

Ans ✗ 1. Sapna Kumari

✓ 2. Jyothi Yarraji

✗ 3. Rosy Meena Paulraj

✗ 4. Anuradha Biswal

Question ID : **630680224315**
Option 1 ID : **630680869971**
Option 2 ID : **630680869972**
Option 3 ID : **630680869974**
Option 4 ID : **630680869973**
Status : **Answered**
Chosen Option : **2**

Q.10 Which of the following statements is/are correct about the current MD and CEO of YES Bank?
I. The Reserve Bank of India has approved the appointment of Prashant Kumar as the MD & CEO of Yes Bank.
II. He has been appointed as the MD & CEO of Yes Bank for five years with effect from 6 October 2022.
IIIPrior to joining Yes Bank, Kumar was the Deputy Managing Director & CFO of Central Bank of India, where he served in various capacities.

Ans ✗ 1. All of I, II and III

✗ 2. Only I and II

✗ 3. Only III

✓ 4. Only I

Question ID : **630680224326**
Option 1 ID : **630680870018**
Option 2 ID : **630680870017**
Option 3 ID : **630680870016**
Option 4 ID : **630680870015**
Status : **Not Answered**
Chosen Option : **--**

Q.11 As per the FCRA, 2010 (As amended on 28 September 2020), foreign contributions must be received only into the 'FCRA account' of the State Bank of India (SBI), New Delhi Main Branch (NDMB), through _____.

Ans ✗ 1. RTGS

✗ 2. NEFT

✓ 3. SWIFT

✗ 4. IMPS

Question ID : **630680224323**
Option 1 ID : **630680870005**
Option 2 ID : **630680870004**
Option 3 ID : **630680870003**
Option 4 ID : **630680870006**
Status : **Not Answered**
Chosen Option : **--**

Q.12 Which of the following statements is/are correct?
1. In October 2022, Flipkart collaborated with the Spices Board of India to introduce a nationwide training programme for spice farmers.
2. The programme started with 100 farmers and representatives of FPOs.
3. The programme started in states of Telangana and Karnataka.

Ans ✗ 1. Only 1

✗ 2. Only 2

✗ 3. Only 1 and 3

✓ 4. Only 1 and 2

Question ID : **630680224319**
Option 1 ID : **630680869987**
Option 2 ID : **630680869988**
Option 3 ID : **630680869990**
Option 4 ID : **630680869989**
Status : **Not Answered**
Chosen Option : **--**

Q.13 The National Commission for Protection of Child Rights (NCPCR) has developed the 'GHAR' portal to digitally monitor and track the restoration and repatriation of children according to the protocol. Which of the following is NOT a salient feature of this portal?

Ans ✅ 1. Digital monitoring of the functioning of Child Care Institutions (CCIs) and Anganwadis to provide the required support to parents of children (children who are in the juvenile justice system) to provide them with at least secondary education.

❌ 2. Digital transfer of cases of children to the concerned Juvenile Justice Board/Child Welfare Committee of the state. This helps in speedy repatriation of children.

❌ 3. Digital tracking and monitoring of children who are in the juvenile justice system and have to be repatriated to another country/state/district

❌ 4. Child Welfare Committees and District Child Protection Officers can ensure proper restoration and rehabilitation of children by digitally monitoring the progress of the case of each child.

Question ID : **630680224347**
Option 1 ID : **630680870101**
Option 2 ID : **630680870102**
Option 3 ID : **630680870099**
Option 4 ID : **630680870100**
Status : **Not Answered**
Chosen Option : **--**

Q.14 Out of a total of 128 activities, how many activities for 'Zero Hunger', which is a Sustainable Development Goal 2, are supported by the UN and its partners in India?

Ans ✅ 1. 13

❌ 2. 28

❌ 3. 24

❌ 4. 15

Question ID : **630680224337**
Option 1 ID : **630680870059**
Option 2 ID : **630680870062**
Option 3 ID : **630680870061**
Option 4 ID : **630680870060**
Status : **Not Answered**
Chosen Option : **--**

Q.15 Who among the following has been honoured with the '2022 Champions of the Earth Award' of the UN Environment Programme in the Entrepreneurial Vision category?

Ans ❌ 1. Sunita Narain

✅ 2. Purnima Devi Barman

❌ 3. Sumaira Abdulali

❌ 4. Vandana Shiva

Question ID : **630680224332**
Option 1 ID : **630680870039**
Option 2 ID : **630680870040**
Option 3 ID : **630680870041**
Option 4 ID : **630680870042**
Status : **Not Answered**
Chosen Option : **--**

Q.16 In November 2022, the State Pollution Control Board of which state issued notices to 1800 healthcare centres that had failed to comply with the norms laid down for biomedical waste disposal, warning them of closure?

Ans ✔ 1. Bihar

✘ 2. Jharkhand

✘ 3. Madhya Pradesh

✘ 4. West Bengal

Question ID : **630680224338**
Option 1 ID : **630680870064**
Option 2 ID : **630680870065**
Option 3 ID : **630680870063**
Option 4 ID : **630680870066**
Status : **Answered**
Chosen Option : **4**

Q.17 At the 95th Academy Awards ceremony, held in March 2023, which of the following became the first Indian film to win an Oscar for the best original song?

Ans ✔ 1. RRR

✘ 2. Major

✘ 3. FIR

✘ 4. Liger

Question ID : **630680224355**
Option 1 ID : **630680870134**
Option 2 ID : **630680870131**
Option 3 ID : **630680870133**
Option 4 ID : **630680870132**
Status : **Answered**
Chosen Option : **1**

Q.18 Who among the following became the first Indian woman to reach the Junior World finals of the FINA World Junior Swimming Championships-2022, held in Peru?

Ans ✘ 1. Malavika Vishwanath

✔ 2. Apeksha Fernandes

✘ 3. Astha Choudhury

✘ 4. Shivani Kataria

Question ID : **630680224305**
Option 1 ID : **630680869934**
Option 2 ID : **630680869932**
Option 3 ID : **630680869933**
Option 4 ID : **630680869931**
Status : **Not Answered**
Chosen Option : **--**

Q.19 The education department of which of the following states decided in February 2023 to implement PM Shri Yojana for comprehensive development of 846 schools in the state?

Ans ✗ 1. Odisha

✗ 2. Gujarat

✓ 3. Maharashtra

✗ 4. Bihar

Question ID : **630680224345**
Option 1 ID : **630680870094**
Option 2 ID : **630680870092**
Option 3 ID : **630680870093**
Option 4 ID : **630680870091**
Status : **Answered**
Chosen Option : **1**

Q.20 Suma Siddharth Shirur has received the _____ for para-shooting.

Ans ✗ 1. Arjuna Award for Outstanding Performance in Sports and Games-2022

✗ 2. Dhyan Chand Award for Lifetime Achievement in Sports and Games-2022

✓ 3. Dronacharya Award for Outstanding Coaches in Sports and Games-2022 in the regular category

✗ 4. Dronacharya Award for Outstanding Coaches in Sports and Games-2022 in the lifetime category

Question ID : **630680224313**
Option 1 ID : **630680869965**
Option 2 ID : **630680869964**
Option 3 ID : **630680869963**
Option 4 ID : **630680869966**
Status : **Answered**
Chosen Option : **1**

Q.21 As per the Economic Advisory Council's January 2023 report titled 'Monuments of National Importance: Urgent Need for Rationalisation', over 60 per cent of Monuments of National Importance (MNIs) are located in just 5 states. Identify those five states from the list below.
I. Rajasthan
II. Uttar Pradesh
III. Karnataka
IV. Tamil Nadu
V. Madhya Pradesh
VI. Maharashtra
VII. Telangana
VIII. Odisha
IX. Gujarat

Ans ✗ 1. Only I, II, III, VIII and IX

✗ 2. Only I, IV, V, VI and VII

✗ 3. Only I, II, III, IV and VIII

✓ 4. Only II, III, IV, V and VI

Question ID : **630680224359**
Option 1 ID : **630680870147**
Option 2 ID : **630680870148**
Option 3 ID : **630680870150**
Option 4 ID : **630680870149**
Status : **Answered**
Chosen Option : **2**

Q.22 Which of the following celebrated the first-of-its-kind 'Innovation Day' on 7 January 2023 as a day specifically dedicated to providing a platform for collaborations between start-ups, industry, academia and transfer- tech ready innovations and showcased 30 implement-ready innovations?

Ans ✗ 1. The Indian Institute of Technology (IIT) Kanpur

✗ 2. The Indian Institute of Technology (IIT) Madras

✗ 3. The Indian Institute of Technology (IIT) Bombay

✓ 4. The Indian Institute of Technology (IIT) Hyderabad

Question ID : **630680224343**
Option 1 ID : **630680870085**
Option 2 ID : **630680870084**
Option 3 ID : **630680870083**
Option 4 ID : **630680870086**
Status : **Not Answered**
Chosen Option : **--**

Q.23 As of 16 October 2022, which of the following states has the highest number of Digital Banking Units (DBUs), which ensure that the benefits of digital banking reach every nook and corner of the country?

Ans ✓ 1. Odisha

✗ 2. Chhattisgarh

✗ 3. Gujarat

✗ 4. Kerala

Question ID : **630680224325**
Option 1 ID : **630680870014**
Option 2 ID : **630680870011**
Option 3 ID : **630680870012**
Option 4 ID : **630680870013**
Status : **Answered**
Chosen Option : **4**

Q.24 The _____ National Games were successfully concluded on 12 October 2022 at Pandit Deendayal Indoor Stadium, Surat, Gujarat.

Ans ✓ 1. 36th

✗ 2. 35th

✗ 3. 37th

✗ 4. 34th

Question ID : **630680224311**
Option 1 ID : **630680869955**
Option 2 ID : **630680869956**
Option 3 ID : **630680869957**
Option 4 ID : **630680869958**
Status : **Answered**
Chosen Option : **1**

Q.25 In December 2022, which of the following collaborated to jointly invest in global connectivity infrastructure and CPaaS-based new-age digital solutions to fulfil the emerging requirements of customers and enterprises in India?

Ans ✗ 1. Jio and Meta

✗ 2. Idea and Meta

✔ 3. Airtel and Meta

✗ 4. Airtel and Google

Question ID : **630680224341**
Option 1 ID : **630680870075**
Option 2 ID : **630680870077**
Option 3 ID : **630680870078**
Option 4 ID : **630680870076**
Status : **Not Answered**
Chosen Option : **--**

Q.26 In which year was Air Marshal AP Singh, who has recently been appointed as the new Vice Chief of the Indian Air Force, commissioned into the fighter stream of the IAF?

Ans ✗ 1. 1979

✔ 2. 1984

✗ 3. 1989

✗ 4. 1998

Question ID : **630680224364**
Option 1 ID : **630680870168**
Option 2 ID : **630680870167**
Option 3 ID : **630680870169**
Option 4 ID : **630680870170**
Status : **Not Answered**
Chosen Option : **--**

Q.27 In November 2022, in which of the following states did India carry out a successful training launch of Agni-3, an intermediate range ballistic missile, from Dr. Abdul Kalam Island?

Ans ✗ 1. Tamil Nadu

✗ 2. Maharashtra

✔ 3. Odisha

✗ 4. Kerala

Question ID : **630680224361**
Option 1 ID : **630680870156**
Option 2 ID : **630680870158**
Option 3 ID : **630680870157**
Option 4 ID : **630680870155**
Status : **Answered**
Chosen Option : **3**

Q.28 Which of the following two countries have officially approved a historic agreement brokered by the United States in October 2022, laying out their maritime boundary for the first time, which opens up a possibility for both the countries to conduct offshore energy exploration?

Ans ❌ 1. Jordan and Syria

❌ 2. Jordan and Israel

❌ 3. Egypt and Lebanon

✅ 4. Israel and Lebanon

Question ID : **630680224307**
Option 1 ID : **630680869940**
Option 2 ID : **630680869942**
Option 3 ID : **630680869941**
Option 4 ID : **630680869939**
Status : **Not Answered**
Chosen Option : **--**

Q.29 Dr. Garima Agrawal, who has been honoured with the NASI-Platinum Jubilee Young Scientist Award-2022, is a faculty at _____.

Ans ❌ 1. IIT Hyderabad

✅ 2. IIT Mandi

❌ 3. IIT Roorkee

❌ 4. IIT Delhi

Question ID : **630680224339**
Option 1 ID : **630680870068**
Option 2 ID : **630680870070**
Option 3 ID : **630680870069**
Option 4 ID : **630680870067**
Status : **Not Answered**
Chosen Option : **--**

Q.30 Who among the following was appointed as an ex-officio member of the Insolvency and Bankruptcy Board of India (IBBI) by the Ministry of Corporate Affairs (MCA), in October 2022?

Ans ❌ 1. Shashank Saksena

✅ 2. Reetu Jain

❌ 3. Mukulita Vijayawargiya

❌ 4. Kishore Kumar Poludasu

Question ID : **630680224317**
Option 1 ID : **630680869982**
Option 2 ID : **630680869980**
Option 3 ID : **630680869979**
Option 4 ID : **630680869981**
Status : **Not Answered**
Chosen Option : **--**

Section : **Reasoning**

Q.1 In a certain code language, 'FLASK' is written as 'PHZOU' and 'CLOUD' is written as 'WFLOX'. How will 'CORSET' be written in that language?

Ans
✗ 1. GUFILV

✗ 2. HVGJLX

✔ 3. GVHILX

✗ 4. GUHJLX

Q.2 Each of seven persons named A, B, C, D, E, F and G has exam on a different day of a week, starting from Monday and ending on Sunday of the same week. More than three persons have exams before F. Only three persons have exams between A and F. D does not have exam on Wednesday. Only one person has exam between E and F. F does not have exam on Sunday. G has exam on some day before D. B has exam on some day before F. G does not have exam on Tuesday. Which of the following is NOT a correct match of the day and the person?

Ans
✔ 1. Friday : A

✗ 2. Sunday : C

✗ 3. Saturday : F

✗ 4. Monday : G

Q.3 In this question, a group of letters is coded by using numbers as per the table given below. Considering these codes and the conditions which follow, determine the correct sequential combination of codes for the number-cluster '92853'.

(Left) 92853 (Right)

(Consider counting numbers from left to right.)

Numbers	5	8	2	3	9
Codes	%	+	=	@	#

Conditions:

(i) If the second number in the given number-cluster is an even number, then the second number should be coded as '&'.

(ii) If the third and last numbers in the given number-cluster are odd numbers, the codes for these two (the third and last numbers) should be interchanged.

Ans ✗ 1. #&@%+

✔ 2. #&+%@

✗ 3. #=+%@

✗ 4. +&=@%

Question ID : 630680224272
Option 1 ID : 630680869801
Option 2 ID : 630680869799
Option 3 ID : 630680869800
Option 4 ID : 630680869802
Status : **Answered**
Chosen Option : **2**

Q.4 Among six persons Gatin, Lavanya, Komal, Shanti, Yash and Meenal; Yash scores more marks than Shanti, who scores more marks than only two other persons. Komal scores more marks than both Meenal and Yash. Lavanya scores lesser marks than Shanti. Lavanya scores more marks than Gatin. Who scores the least marks among all?

Ans ✔ 1. Gatin

✗ 2. Meenal

✗ 3. Yash

✗ 4. Shanti

Question ID : 630680224263
Option 1 ID : 630680869766
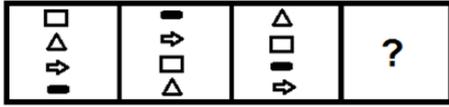Option 2 ID : 630680869764
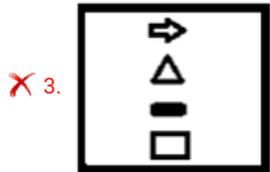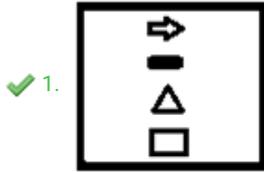Option 3 ID : 630680869765
Option 4 ID : 630680869763
Status : **Answered**
Chosen Option : **1**

Q.5 Select the number from among the given options that can replace the question mark (?) in the following series.

12, 13, 28, 87, ?, 1765

Ans ✗ 1. 346

✔ 2. 352

✗ 3. 298

✗ 4. 292

Q.6 Read the given statement and conclusions carefully. Decide which of the given conclusions logically follow(s) from the statement.

Statement:

Increasing illumination at night adversely affects bird migration by confusing the birds.

Conclusions:

I. Artificial light at night is not desirable for bird migration.

II. Birds fly only at night while migrating from one place to other; hence, the artificial illumination at night should be lessened.

Ans ✔ 1. Only conclusion I follows

✗ 2. Neither conclusion I nor conclusion II follows

✗ 3. Only conclusion II follows

✗ 4. Both conclusions I and II follow

Q.7 Select the correct mirror image of the given figure when the mirror is placed at line PQ as shown.

Ans

✗ 1.

✔ 2.

✗ 3.

✗ 4.
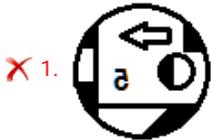
Question ID : **630680224292**
Option 1 ID : **630680869882**
Option 2 ID : **630680869881**
Option 3 ID : **630680869880**
Option 4 ID : **630680869879**
Status : **Answered**
Chosen Option : **2**

Q.8 In a certain code language, 'JUNIOR' is coded as '14211018159' and 'FINDER' is coded as '14961854'. How will 'CLOSET' be coded in that language?

Ans ✗ 1. 1513420519

✗ 2. 1412321519

✗ 3. 1511320518

✔ 4. 1512320519

Question ID : **630680224270**
Option 1 ID : **630680869791**
Option 2 ID : **630680869792**
Option 3 ID : **630680869794**
Option 4 ID : **630680869793**
Status : **Answered**
Chosen Option : **4**

Q.9 Select the term from among the given options that can replace the question mark (?) in the following series.

NPFB-13, LMBW-38, JJXR-74, HGTM-123, ?

Ans ✗ 1. FEPG-184

✗ 2. FDPH-184

✓ 3. FDPH-187

✗ 4. FDQI-187

Question ID : **630680224267**
Option 1 ID : **630680869779**
Option 2 ID : **630680869780**
Option 3 ID : **630680869781**
Option 4 ID : **630680869782**
Status : **Answered**
Chosen Option : **3**

Q.10 Select the option that is related to the fifth term in the same way as the second term is related to the first term and the fourth term is related to the third term.

NBMR-7 : SNCO-65 :: QDPM-5 : NQER-37 :: FVCW-8 : ?

Ans ✗ 1. YDXG-82

✗ 2. KDWG-72

✓ 3. XDWG-82

✗ 4. XDWG-50

Question ID : **630680224278**
Option 1 ID : **630680869823**
Option 2 ID : **630680869824**
Option 3 ID : **630680869826**
Option 4 ID : **630680869825**
Status : **Answered**
Chosen Option : **3**

Q.11 Select the term from among the given options that can replace the question mark (?) in the following series.

THY-11, XLC-16, BPG-23, ?, JXO-43

Ans ✓ 1. FTK-32

✗ 2. GTK-30

✗ 3. FUK-32

✗ 4. FTL-30

Question ID : **630680224265**
Option 1 ID : **630680869774**
Option 2 ID : **630680869771**
Option 3 ID : **630680869772**
Option 4 ID : **630680869773**
Status : **Answered**
Chosen Option : **1**

Q.12 Select the number from among the given options that can replace the question mark (?) in the following series.

13, 36, 65, 96, 133, ?

Ans ✗ 1. 164

✗ 2. 212

✓ 3. 174

✗ 4. 189

Question ID : 630680224303
Option 1 ID : 630680869923
Option 2 ID : 630680869926
Option 3 ID : 630680869924
Option 4 ID : 630680869925
Status : **Not Answered**
Chosen Option : --

Q.13 Select the correct mirror image of the given combination when the mirror is placed at line PQ as shown.

452GKL | P
        |
        | Q

Ans ✗ 1. (mirror image)

✗ 2. (mirror image)

✗ 3. (mirror image)

✓ 4. (mirror image)

Question ID : 630680224291
Option 1 ID : 630680869875
Option 2 ID : 630680869878
Option 3 ID : 630680869877
Option 4 ID : 630680869876
Status : **Answered**
Chosen Option : **4**

Q.14 In a group of 78 students sitting in a line facing the same direction, Garv is 17th from the left end and Urmi is 32nd from the right end. How many students are sitting between Garv and Urmi?

Ans ✗ 1. 28

✗ 2. 27

✗ 3. 30

✓ 4. 29

Question ID : 630680224251
Option 1 ID : 630680869716
Option 2 ID : 630680869715
Option 3 ID : 630680869718
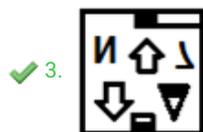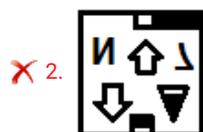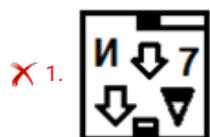Option 4 ID : 630680869717
Status : **Answered**
Chosen Option : **4**

Q.15 Naksh is standing in a park, facing the north. He then turns 90° clockwise. After that, he turns 135° anticlockwise. He finally turns 90° clockwise. Which direction is he facing now?

Ans
✗ 1. South-east

✗ 2. South-west

✗ 3. North-west

✔ 4. North-east

Question ID : 630680224273
Option 1 ID : 630680869805
Option 2 ID : 630680869806
Option 3 ID : 630680869804
Option 4 ID : 630680869803
Status : **Answered**
Chosen Option : **4**

Q.16 Four letter-clusters have been given, out of which three are alike in some manner and one is different. Select the one that is different.

Ans
✗ 1. CJQXE

✔ 2. WDKRZ

✗ 3. TAHOV

✗ 4. NUBIP

Question ID : 630680224282
Option 1 ID : 630680869839
Option 2 ID : 630680869842
Option 3 ID : 630680869840
Option 4 ID : 630680869841
Status : **Answered**
Chosen Option : **2**

Q.17 Select the correct water image of the given combination.

5 4 2 F k q Z

Ans

✗ 1. [water image option]

✓ 2. [water image option]

✗ 3. [water image option]

✗ 4. [water image option]

Question ID : 630680224295
Option 1 ID : 630680869891
Option 2 ID : 630680869892
Option 3 ID : 630680869893
Option 4 ID : 630680869894
Status : **Answered**
Chosen Option : **2**

Q.18 Eight friends named K, L, M, N, O, P, R and S are sitting around a square table, facing the centre, but not necessarily in the same order. Four friends are sitting at the vertices of the table, whereas the other four friends are sitting at the exact middle of four different sides. Only M is sitting between P and K. S and L are sitting opposite to each other. R is sitting to the immediate right of S. R is sitting at one of the vertices. N is sitting second to the left of L. K is sitting third to the right of L. Who is sitting to the immediate right of O?

Ans

✗ 1. N

✗ 2. K

✗ 3. M

✓ 4. L

Question ID : 630680224248
Option 1 ID : 630680869703
Option 2 ID : 630680869704
Option 3 ID : 630680869706
Option 4 ID : 630680869705
Status : **Answered**
Chosen Option : **4**

Q.19 Select the figure from among the given options that can replace the question mark (?) in the following series.

Ans

✅ 1.

❌ 2.

❌ 3.

❌ 4.

Q.20 Select the option that is related to the fifth term in the same way as the second term is related to the first term and the fourth term is related to the third term.

GBU-13 : KFY-43 :: NCE-15 : RGI-49 :: QAN-21 : ?

Ans ❌ 1. UER-64

❌ 2. UFR-66

✅ 3. UER-67

❌ 4. UES-66

Q.21 Four letter-clusters have been given, out of which three are alike in some manner and one is different. Select the one that is different.

Ans ✗ 1. PRUY

✗ 2. FHKO

✔ 3. BDGL

✗ 4. NPSW

Q.22 Identify the number that does NOT belong to the following series.

27, 36, 61, 110, 181, 312

Ans ✗ 1. 312

✗ 2. 110

✔ 3. 181

✗ 4. 61

Q.23 Six friends named P, Q, R, S, T and U are sitting around a circular table, facing the centre, but not necessarily in the same order. S is sitting second to the left of U. P is sitting to the immediate right of T. P is sitting third to the right of R. Who is sitting second to the right of T?

Ans ✗ 1. U

✗ 2. S

✔ 3. Q

✗ 4. R

Q.24 Each of K, L, M, N, P, Q and R has exam on a different day of a week, starting from Monday and ending on Sunday of the same week. M has exam just after L. P has exam just before R. Only two persons have exams between K and M. Q has exam just after M. N does not have exam on Thursday. K does not have exam on any day after N. On which day does R have exam?

Ans

✅ 1. Tuesday

❌ 2. Friday

❌ 3. Wednesday

❌ 4. Sunday

Q.25 Select the figure from among the given options that can replace the question mark (?) in the following series.

Ans

❌ 1.

❌ 2.

✅ 3.

❌ 4.

Q.26 Study the given diagram carefully and answer the question that follows. The square represents 'Males'; the circle represents 'Musicians' and the hexagon represents 'Designers'. The numbers in different sections indicate the number of persons.
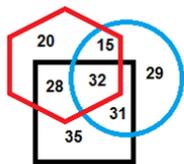
How many males are musicians but are not designers?

Ans

✗ 1. 28

✗ 2. 35

✔ 3. 31

✗ 4. 32

Q.27 Select the correct water image of the given figure.

Ans

1. ✗

2. ✗

3. ✔

4. ✗

Q.28 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 parks are houses.

Some parks are grounds.

All grounds are towers.

Conclusions:

I. No house is a tower.

II. Some houses are towers.

III. All parks are towers.

Ans ✔ 1. Only conclusion II follows

✗ 2. Only conclusions I and II follow

✗ 3. Either conclusion I or conclusion II follows

✗ 4. Only conclusions I and III follow

Q.29 A class consists of 145 students, who have obtained different marks in an examination. Only 44 students have obtained lesser marks than Amit but more marks than Prateek. Only 79 students have obtained more marks than Prateek. Only 41 students have scored lesser marks than Nitesh. How many students have obtained lesser marks than Prateek but more marks than Nitesh?

Ans ✗ 1. 25

✗ 2. 22

✔ 3. 23

✗ 4. 24

Q.30 Eight girls named A, B, C, D, E, F, G and H are sitting in a straight line, facing the north. A is sitting fifth to the left of D. Only H is sitting between B and C. F is sitting at one of the ends of the line. G is sitting second to the right of E. B is sitting third to the left of E. H is sitting third to the right of F. C is sitting second to the left of D. Who is sitting fourth to the left of G?

Ans
❌ 1. B

❌ 2. E

❌ 3. C

✅ 4. H

Question ID : **630680224249**
Option 1 ID : **630680869707**
Option 2 ID : **630680869709**
Option 3 ID : **630680869708**
Option 4 ID : **630680869710**
Status : **Answered**
Chosen Option : **4**

Section : **Subject Content & Methodology**

Q.1 If the $(p-q)^{th}$ term of an AP is m and the $(p+q)^{th}$ term is $-n$, then the pth term is:

Ans
❌ 1. $\sqrt{mn}$

✅ 2. $\frac{1}{2}(m-n)$

❌ 3. $\frac{1}{2}(m+n)$

❌ 4. mn

Question ID : **630680224186**
Option 1 ID : **630680869458**
Option 2 ID : **630680869455**
Option 3 ID : **630680869456**
Option 4 ID : **630680869457**
Status : **Answered**
Chosen Option : **2**

Q.2 In a course, a teacher gives six grades {A, B, C, D, E, F}. The minimum number of students required so that five of them are guaranteed to get the same grade is:

Ans
✅ 1. 25

❌ 2. 28

❌ 3. 27

❌ 4. 26

Question ID : **630680224190**
Option 1 ID : **630680869471**
Option 2 ID : **630680869474**
Option 3 ID : **630680869473**
Option 4 ID : **630680869472**
Status : **Not Answered**
Chosen Option : **--**

Q.3

If the matrix $A = \begin{bmatrix} 1 & 2 & 2 \\ 0 & 2 & 1 \\ -1 & 2 & 2 \end{bmatrix}$ satisfies $A^3 - 5A^2 + 8A - 4I = 0$ then

which of the following is true?

Ans ✗ 1. The matrix A is not invertible.

✔ 2. The matrix A is invertible.

✗ 3. 0 is an eigenvalue of A.

✗ 4. The matrix A is not one-to-one.

Q.4 The diagonal of a cube is $8\sqrt{3}$ cm. If 1 kg of paint covers 16 sq cm, how much will it cost to paint the outside of the cube where the cost of paint per kg is Rs. 205?

Ans ✗ 1. Rs. 5,920

✗ 2. Rs. 4,209

✔ 3. Rs. 4,920

✗ 4. Rs. 5,209

Q.5 If the quadratic equation $(k-2)x^2 - (k-4)x - 2 = 0$ has the difference of roots as 3, then the value of k is:

Ans

✗ 1. $1, \dfrac{3}{2}$

✗ 2. $2, \dfrac{3}{2}$

✔ 3. $3, \dfrac{3}{2}$

✗ 4. $1, 3$

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Q.6 The values of k for which the quadratic equation

$(3k+1)x^2 + 2(k+1)x + 1 = 0$ has equal roots are:

Ans
 ✗ 1. $0, -2$

 ✗ 2. $0, -1$

 ✔ 3. $0, 1$

 ✗ 4. $1, -2$

Question ID : 630680224178
Option 1 ID : 630680869424
Option 2 ID : 630680869423
Option 3 ID : 630680869425
Option 4 ID : 630680869426
Status : **Answered**
Chosen Option : **3**

Q.7 The value of the integral $\int_{-1/4}^{1/4} secx ln\left|\frac{1+x}{1-x}\right| dx$ is:

Ans
 ✔ 1. 0

 ✗ 2. 1

 ✗ 3. $\dfrac{1}{4}$

 ✗ 4. $-\dfrac{1}{4}$

Question ID : 630680224196
Option 1 ID : 630680869496
Option 2 ID : 630680869498
Option 3 ID : 630680869497
Option 4 ID : 630680869495
Status : **Not Answered**
Chosen Option : **--**

Q.8 A throw is made with two dices. The probability of getting a score of 9 points is:

Ans

✔ 1. $\dfrac{1}{9}$

✘ 2. $\dfrac{2}{3}$

✘ 3. $\dfrac{1}{18}$

✘ 4. $\dfrac{1}{12}$

Question ID : **630680224223**
Option 1 ID : **630680869605**
Option 2 ID : **630680869606**
Option 3 ID : **630680869604**
Option 4 ID : **630680869603**
Status : **Answered**
Chosen Option : **1**

Q.9 In the given figure, three sectors of a circle of radius 14 cm, making angles of 60°, 80° and 40° at the centre, are shaded.

The area of the shaded region is [using $\pi = \frac{22}{7}$]:
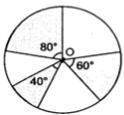
Ans

✘ 1. 830 cm²

✘ 2. 380 cm²

✔ 3. 308 cm²

✘ 4. 803 cm²

Question ID : **630680224211**
Option 1 ID : **630680869558**
Option 2 ID : **630680869556**
Option 3 ID : **630680869555**
Option 4 ID : **630680869557**
Status : **Answered**
Chosen Option : **3**

Q.10 A problem in mathematics is given to 3 students A, B and C whose chances of solving it are $\frac{1}{2}, \frac{1}{3}$ and $\frac{1}{4}$, respectively. The probability that all of them can solve the problem is:

Ans

✗ 1. $\dfrac{1}{8}$

✗ 2. $\dfrac{1}{12}$

✔ 3. $\dfrac{1}{24}$

✗ 4. $\dfrac{1}{6}$

Q.11 Consider the linear equation $2x + 3y - 8 = 0$. Another linear equation in two variables such that the geometrical representation of the pair so formed intersects the other will be:

Ans

✗ 1. $2x + 3y - 8 = 0$

✗ 2. $8x + 12y - 24 = 0$

✗ 3. $4x + 6y - 8 = 0$

✔ 4. $3x + 2y + 4 = 0$

Q.12 Which number when divided by 55 gives 29 as the quotient and leaves 71 as the remainder?

Ans

✗ 1. 1777

✔ 2. 1666

✗ 3. 1555

✗ 4. 1888

Q.13

The eigenvalues of the matrix $\begin{matrix} 1 & 2 & 3 \\ 0 & 1 & 2 \\ 0 & 0 & 1 \end{matrix}$ are:

Ans
✗ 1. $-1, -1, -1$

✗ 2. $0, 0, 1$

✗ 3. $1, 2, 3$

✔ 4. $1, 1, 1$

Q.14

If p and q are the roots of the quadratic equation $x^2 - 14x + 8 = 0$, then the value of $\frac{p}{q} + \frac{q}{p}$ is:

Ans
✗ 1. 26.5

✗ 2. 20.5

✗ 3. 24.5

✔ 4. 22.5

Q.15 A fair die is tossed twice. Find the probability of getting 3, 4, 5 or 6 on the first toss and 1, 2, 3, 4 or 5 on the second toss.

Ans

✔ 1. $\dfrac{5}{9}$

✘ 2. $\dfrac{8}{9}$

✘ 3. $\dfrac{2}{9}$

✘ 4. $\dfrac{7}{9}$

Question ID : **630680224227**
Option 1 ID : **630680869620**
Option 2 ID : **630680869622**
Option 3 ID : **630680869619**
Option 4 ID : **630680869621**
Status : **Answered**
Chosen Option : **1**

Q.16 The diagnostic test for fundamental process in arithmetic was developed by:

Ans

✔ 1. GT Buswell and Lenore John

✘ 2. Fred J Schonell and F Eleanor Schonell

✘ 3. Leo J Brueckner

✘ 4. GM Ruch and others

Question ID : **630680224231**
Option 1 ID : **630680869637**
Option 2 ID : **630680869635**
Option 3 ID : **630680869636**
Option 4 ID : **630680869638**
Status : **Not Answered**
Chosen Option : **--**

Q.17 If the mean and mode are 29, then the median is:

Ans

✘ 1. 0

✘ 2. 17

✘ 3. 23

✔ 4. 29

Question ID : **630680224219**
Option 1 ID : **630680869587**
Option 2 ID : **630680869588**
Option 3 ID : **630680869589**
Option 4 ID : **630680869590**
Status : **Answered**
Chosen Option : **4**

Q.18 If ϕ is the Euler function, then $\phi(\phi(1001))$ is:

Ans
✗ 1. 212
✓ 2. 192
✗ 3. 202
✗ 4. 128

Q.19 The minimum value of $sin^2 x + 5 cos^2 x$ is:

Ans
✗ 1. 3
✗ 2. 2
✗ 3. −3
✓ 4. 1

Q.20 The value of $cot\,15^\circ\,cot\,25^\circ\,cot\,60^\circ\,cot\,65^\circ\,cot\,75^\circ$ is:

Ans
✗ 1. −1
✗ 2. $\sqrt{3}$
✓ 3. $\dfrac{1}{\sqrt{3}}$
✗ 4. 1

Q.21 For what value of k does the system of equations $kx - 5y = 2$ and $3x + 5y = 5$ represent two lines intersecting at a single point?

Ans

✔ 1. $k = $ all real values except -3

✘ 2. $k = 3$

✘ 3. $k = 1$

✘ 4. $k = 6$

Q.22 The given bar graph shows the number of boys and girls in five different schools P, Q, R, S and T. What is the sum of the difference between the number of boys and girls in schools R and S?
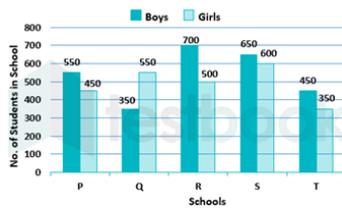
Ans

✘ 1. 300

✘ 2. 150

✘ 3. 200

✔ 4. 250

Q.23 If x, y, z are distinct positive real numbers such that x + y + z = 1, then which of the following is true?

Ans

✗ 1. $(1-x)(1-y)(1-z) > \dfrac{8}{27}$

✓ 2. $(1-x)(1-y)(1-z) < \dfrac{8}{27}$

✗ 3. $(1-x)(1-y)(1-z) < \dfrac{4}{9}$

✗ 4. $(1-x)(1-y)(1-z) < \dfrac{2}{3}$

Question ID : 630680224180
Option 1 ID : 630680869433
Option 2 ID : 630680869434
Option 3 ID : 630680869432
Option 4 ID : 630680869431
Status : **Not Answered**
Chosen Option : --

Q.24 Developing logical and problem solving ability in children is the main objective of which of the following schemes?

Ans

✗ 1. Kothari Commission, 1964

✓ 2. National Curriculum Framework, 2005

✗ 3. Radhakrishnan Commission, 1948

✗ 4. National Education Policy, 1986

Question ID : 630680224230
Option 1 ID : 630680869634
Option 2 ID : 630680869633
Option 3 ID : 630680869632
Option 4 ID : 630680869631
Status : **Answered**
Chosen Option : **2**

Q.25 A and B are two events such that P(B) = 0.6 and $P(A \cup B) = 0.7$. If A and B are independent, then P(A) is:

Ans

✗ 1. $\dfrac{1}{3}$

✔ 2. $\dfrac{1}{4}$

✗ 3. $\dfrac{3}{4}$

✗ 4. $\dfrac{1}{2}$

Question ID : **630680224224**
Option 1 ID : **630680869608**
Option 2 ID : **630680869607**
Option 3 ID : **630680869610**
Option 4 ID : **630680869609**
Status : **Not Answered**
Chosen Option : --

Q.26 What are the important characteristics of a good mathematics textbook at primary level?

Ans

✗ 1. Concept should be presented from complex to simple

✔ 2. Concept should be presented from concrete to abstract

✗ 3. Concept should be a link to higher classes

✗ 4. Concept should be presented in a strict hierarchical manner

Question ID : **630680224236**
Option 1 ID : **630680869656**
Option 2 ID : **630680869658**
Option 3 ID : **630680869655**
Option 4 ID : **630680869657**
Status : **Answered**
Chosen Option : **2**

Q.27 The linear equation $3x - 9y = 13$ has:

Ans

✗ 1. a unique solution

✗ 2. no solutions

✔ 3. infinitely many solutions

✗ 4. two solutions

Question ID : **630680224165**
Option 1 ID : **630680869371**
Option 2 ID : **630680869373**
Option 3 ID : **630680869374**
Option 4 ID : **630680869372**
Status : **Answered**
Chosen Option : **3**

Q.28 If the following system of linear non-homogeneous equations

$3x+4y+5z = \alpha$
$4x+5y+6z = \beta$
$5x+6y+7z = \gamma$

is consistent, then α, β and γ are:

Ans ✔ 1. in arithmetic progression

✘ 2. in geometric progression

✘ 3. in no relation

✘ 4. in harmonic progression

Q.29 The integer 27111111202201 is divisible by:

Ans ✘ 1. 22

✘ 2. 19

✔ 3. 13

✘ 4. 16

Q.30 Consider a linear transformation $T: \mathbb{R}^p \to \mathbb{R}^q$ defined by $Tx = Ax, x \in \mathbb{R}^p$.
Which of the following is correct?

Ans ✗ 1. A^t is the matrix representation of T having order qp

✗ 2. A is the matrix representation of T having order pq

✗ 3. A is the matrix representation of T having order $p+q$

✔ 4. A is the matrix representation of T having order qp

Q.31 The sides of a parallelogram are 60 m each, and the length of the longest diagonal is 96 m. The area of the parallelogram is:

Ans ✗ 1. 3448 sq m

✔ 2. 3456 sq m

✗ 3. 3546 sq m

✗ 4. 3465 sq m

Q.32 Wilson's theorem states that:

Ans ✗ 1. if p is prime, then $(p-1)! - 2 \equiv 0 \pmod{p}$

✗ 2. if p is prime, then $(p-1)! + 2 \equiv 0 \pmod{p}$

✔ 3. if p is prime, then $(p-1)! + 1 \equiv 0 \pmod{p}$

✗ 4. if p is prime, then $(p-1)! - 1 \equiv 0 \pmod{p}$

Q.33 Given that one of the zeroes of the cubic polynomial $ax^3 + bx^2 + cx + d$ is zero, the sum of the reciprocals of the other two roots is:

Ans ✗ 1. 0

✓ 2. $-\dfrac{b}{c}$

✗ 3. $\dfrac{b}{c}$

✗ 4. $-\dfrac{b}{a}$

Question ID : 630680224163
Option 1 ID : 630680869363
Option 2 ID : 630680869364
Option 3 ID : 630680869365
Option 4 ID : 630680869366
Status : **Answered**
Chosen Option : **2**

Q.34 The things which are double of the same thing are:

Ans ✓ 1. Equal

✗ 2. unequal

✗ 3. double of the same thing

✗ 4. halves of the same thing

Question ID : 630680224197
Option 1 ID : 630680869499
Option 2 ID : 630680869501
Option 3 ID : 630680869502
Option 4 ID : 630680869500
Status : **Answered**
Chosen Option : **1**

Q.35 There are 72 patients admitted in a hospital in which 31 are diagnosed with typhoid, 30 with malaria and 16 with both typhoid and malaria. The number of patients diagnosed with typhoid or malaria or both is:

Ans ✗ 1. 29

✓ 2. 45

✗ 3. 17

✗ 4. 37

Question ID : 630680224189
Option 1 ID : 630680869468
Option 2 ID : 630680869470
Option 3 ID : 630680869467
Option 4 ID : 630680869469
Status : **Answered**
Chosen Option : **2**

Q.36 If ABCD is a parallelogram, where AE ⊥ DC and CF ⊥ AD, and AB = 20 cm, AE = 12 cm and CF = 6 cm, then AD is equal to:

Ans
- ✗ 1. 20 cm
- ✗ 2. 26 cm
- ✗ 3. 16 cm
- ✔ 4. 40 cm

Q.37 If a, b and c are unequal positive real numbers such that the sum of any two is greater than the third, then:

Ans
- ✗ 1. $\dfrac{1}{b+c-a}+\dfrac{1}{c+a-b}+\dfrac{1}{a+b-c}>\dfrac{12}{a+b+c}$
- ✗ 2. $\dfrac{1}{b+c-a}+\dfrac{1}{c+a-b}+\dfrac{1}{a+b-c}>\dfrac{9}{a+b+c}$
- ✔ 3. $\dfrac{1}{b+c-a}+\dfrac{1}{c+a-b}+\dfrac{1}{a+b-c}>\dfrac{3}{a+b+c}$
- ✗ 4. $\dfrac{1}{b+c-a}+\dfrac{1}{c+a-b}+\dfrac{1}{a+b-c}>\dfrac{6}{a+b+c}$

Q.38 The pair of equations $y=\dfrac{3}{2}$ and $y=-\dfrac{3}{2}$ has:

Ans
- ✗ 1. infinitely many solutions
- ✔ 2. no solution
- ✗ 3. one solution
- ✗ 4. two solutions

Q.39 The main objective of teaching geometry is:

Ans ✗ 1. to develop the power of object transmission in students

✗ 2. to teach the use and measurement of mathematical tools

✔ 3.
to teach the use and measurement of mathematical tools, and to develop creative imagination and the power of object transmission in students

✗ 4. to develop creative imagination in students

Q.40 If $x^x y^y = C$, then $\frac{dy}{dx} = ?$

Ans ✗ 1. $\dfrac{1 + \log y}{1 + \log x}$

✗ 2. $-\dfrac{1 + \log y}{1 + \log x}$

✔ 3. $-\dfrac{1 + \log x}{1 + \log y}$

✗ 4. $\dfrac{1 + \log x}{1 + \log y}$

Q.41 The equations $3x - ky + 7 = 0$ and $6x - 12y + 15 = 0$ have no solution for:

Ans
- ✔ 1. $k = 6$
- ✘ 2. $k = -3$
- ✘ 3. $k = -6$
- ✘ 4. $k = 3$

Q.42 In a class VIII timetable in teaching mathematics, which period would be the most appropriate for students learning?

Ans
- ✘ 1. Fifth
- ✘ 2. Fourth
- ✘ 3. First
- ✔ 4. Second

Q.43 If p and q are the roots of the quadratic equation $x^2 - 3x + 5 = 0$, then the quadratic equation whose roots are $p^2 - 3p + 9$ and $q^2 - 3q + 9$ is:

Ans
- ✘ 1. $x^2 - 3x - 1 = 0$
- ✘ 2. $x^2 - 3x + 5 = 0$
- ✔ 3. $x^2 - 8x + 16 = 0$
- ✘ 4. $x^2 - 3x + 1 = 0$

Q.44 The value of n if the coefficient of the second term in $(1-x)^3$ is equal to the coefficient of the third term in $(1+x)^n$ is:

Ans   ✗ 1. 4

   ✗ 2. 5

   ✗ 3. 2

   ✔ 4. 3

Q.45 Consider linear equations $x - 3y + 6 = 0$, $2x - 6y + 12 = 0$ and $\frac{x}{3} - y + 2 = 0$. The solutions of the second and third equations:

Ans   ✗ 1. change in case of multiplication only

   ✗ 2. change in case of division only

   ✗ 3. Change

   ✔ 4. remain the same

Q.46 Two intersecting lines cannot be parallel to the same line is stated in the form of :

Ans   ✗ 1. a definition

   ✔ 2. a postulate

   ✗ 3. a proof

   ✗ 4. an axiom

Q.47 The function $f(x) = [x(x-4)]^3$ is increasing in:

Ans
✗ 1. $(-\infty, 2) - \{4\}$

✗ 2. $(-2, \infty)$

✗ 3. $(2, \infty)$

✓ 4. $(2, \infty) - \{4\}$

Question ID : 630680224195
Option 1 ID : 630680869491
Option 2 ID : 630680869492
Option 3 ID : 630680869493
Option 4 ID : 630680869494
Status : **Not Answered**
Chosen Option : --

Q.48 Let ΔABC and ΔBDE be two equilateral triangles such that D is the mid-point of BC. If the areas of ΔBDE is 14 sq m, then the area of ΔABC is:

Ans
✓ 1. 56 sq m

✗ 2. 32 sq m

✗ 3. 52 sq m

✗ 4. 42 sq m

Question ID : 630680224206
Option 1 ID : 630680869538
Option 2 ID : 630680869535
Option 3 ID : 630680869537
Option 4 ID : 630680869536
Status : **Answered**
Chosen Option : 1

Q.49 Below are the results of the students in an exam. Find the mode of the given results.

90, 80, 77, 86, 77, 91, 77, 25, 45, 35, 66, 69, 65, 43, 65, 75, 43, 77, 89

Ans
✗ 1. 90

✗ 2. 65

✗ 3. 43

✓ 4. 77

Question ID : 630680224222
Option 1 ID : 630680869602
Option 2 ID : 630680869600
Option 3 ID : 630680869599
Option 4 ID : 630680869601
Status : **Answered**
Chosen Option : 4

Q.50 The main goal of mathematics education is:

Ans ✗ 1.

to formulate theorems of geometry and their proof independently

✗ 2. to help the students to understand mathematics

✓ 3. to develop children's abilities for mathematisation

✗ 4. to develop useful capabilities

Question ID : **630680224233**
Option 1 ID : **630680869643**
Option 2 ID : **630680869644**
Option 3 ID : **630680869646**
Option 4 ID : **630680869645**
Status : **Answered**
Chosen Option : **3**

Q.51 The distance between the points $(a\sin\alpha, a\cos\alpha)$ and $(a\sin\beta, a\cos\beta)$ is:

Ans

✓ 1. $2a\sin\left(\dfrac{\alpha-\beta}{2}\right)$

✗ 2. $2a\cos\left(\dfrac{\alpha-\beta}{2}\right)$

✗ 3. $a\sin\left(\dfrac{\alpha-\beta}{2}\right)$

✗ 4. $a\cos\left(\dfrac{\alpha-\beta}{2}\right)$

Question ID : **630680224203**
Option 1 ID : **630680869524**
Option 2 ID : **630680869526**
Option 3 ID : **630680869523**
Option 4 ID : **630680869525**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.52 If A and B are the points with co-ordinates (3,4) and (−2,1), respectively, then the co-ordinates of C which lie externally on line AB produced such that AC = 2BC are:

Ans

✔ 1. $(-7, -2)$

✘ 2. $\left(\dfrac{1}{2}, -\dfrac{7}{2}\right)$

✘ 3. $(-2, 7)$

✘ 4. $(-7, 2)$

Question ID : 630680224204
Option 1 ID : 630680869529
Option 2 ID : 630680869530
Option 3 ID : 630680869527
Option 4 ID : 630680869528
Status : **Answered**
Chosen Option : **1**

Q.53 Euclid's fifth postulate is:

Ans

✔ 1.
if a straight line falling on two straight lines makes the interior angles on the same side of it taken together less than two right angles, then the two straight lines if produced indefinitely, meet on that side on which the sum of angles is less than two right angles

✘ 2. all right angles are equal to one another

✘ 3. a circle may be described with any centre and any radius

✘ 4. the whole is greater than the part

Question ID : 630680224198
Option 1 ID : 630680869506
Option 2 ID : 630680869504
Option 3 ID : 630680869505
Option 4 ID : 630680869503
Status : **Answered**
Chosen Option : **1**

Q.54

If $\left(x + \dfrac{1}{x}\right)^2 = 3,$ then the value of $(x^{90} + x^{72} + x^{66} + x^{54} + x^{36} + x^{24} + x^6 - 1)$ is:

Ans

✘ 1. 1

✔ 2. −2

✘ 3. −1

✘ 4. 2

Question ID : 630680224164
Option 1 ID : 630680869370
Option 2 ID : 630680869367
Option 3 ID : 630680869368
Option 4 ID : 630680869369
Status : **Not Answered**
Chosen Option : --

Q.55 Which of the following is indicative of the quality of teaching?

Ans ✗ 1. Period of maintaining peace in the classroom

✔ 2.
Standard of questions raised by the students in the classroom

✗ 3. Pass percentage of the students

✗ 4. Standard of answers given by students in the classroom

Question ID : **630680224241**
Option 1 ID : **630680869675**
Option 2 ID : **630680869676**
Option 3 ID : **630680869678**
Option 4 ID : **630680869677**
Status : **Answered**
Chosen Option : **4**

Q.56 Which of the following is true?

Ans ✗ 1. $1 + \frac{1}{2} + \frac{1}{3} + \frac{1}{4} + \frac{1}{5} < 2$

✗ 2. $1 + \frac{1}{2} + \frac{1}{3} + \frac{1}{4} + \frac{1}{5} > 3$

✔ 3. $1 + \frac{1}{2} + \frac{1}{3} + \frac{1}{4} + \frac{1}{5} < 3$

✗ 4. $1 + \frac{1}{2} + \frac{1}{3} + \frac{1}{4} + \frac{1}{5} > 4$

Question ID : **630680224183**
Option 1 ID : **630680869443**
Option 2 ID : **630680869446**
Option 3 ID : **630680869444**
Option 4 ID : **630680869445**
Status : **Answered**
Chosen Option : **3**

Q.57 The degree of the polynomial $\sqrt{13\pi}$ is:

Ans ✗ 1. $\frac{1}{2}$

✗ 2. 2

✔ 3. 0

✗ 4. 1

Question ID : **630680224160**
Option 1 ID : **630680869354**
Option 2 ID : **630680869353**
Option 3 ID : **630680869351**
Option 4 ID : **630680869352**
Status : **Answered**
Chosen Option : **3**

Q.58 Mode for the given table is:

Class Interval	0—5	5—10	10—15	15—20	20—25
Frequency	5	3	7	2	6

Ans
✗ 1. 10.5
✓ 2. 12.22
✗ 3. 13.1
✗ 4. 10.4

Question ID : **630680224221**
Option 1 ID : **630680869597**
Option 2 ID : **630680869598**
Option 3 ID : **630680869595**
Option 4 ID : **630680869596**
Status : **Answered**
Chosen Option : **2**

Q.59 A gardener plans to construct a trapezoidal shaped structure in his garden. The longer side of the trapezoid needs to start with a row of 97 bricks. Each row must be decreased by 2 bricks on each end, and the construction should stop at the 25th row. The number of bricks he needs to buy is:

Ans
✗ 1. 1025
✓ 2. 1225
✗ 3. 925
✗ 4. 1325

Question ID : **630680224188**
Option 1 ID : **630680869464**
Option 2 ID : **630680869465**
Option 3 ID : **630680869463**
Option 4 ID : **630680869466**
Status : **Answered**
Chosen Option : **2**

Q.60 If the lines $5x + ky - 2 = 0$ and $2x + 5y + 1 = 0$ are parallel, then the value of k is:

Ans

✗ 1. $\dfrac{2}{25}$

✗ 2. $\dfrac{2}{5}$

✗ 3. $\dfrac{5}{2}$

✔ 4. $\dfrac{25}{2}$

Question ID : 630680224170
Option 1 ID : 630680869391
Option 2 ID : 630680869393
Option 3 ID : 630680869394
Option 4 ID : 630680869392
Status : **Answered**
Chosen Option : **4**

Q.61 An unhappy incident occurred in a class. The teacher should find a solution by discussing the matter _____ .

Ans

✔ 1. in the class only

✗ 2. with colleagues

✗ 3. the principal

✗ 4. in her/his family

Question ID : 630680224238
Option 1 ID : 630680869666
Option 2 ID : 630680869664
Option 3 ID : 630680869665
Option 4 ID : 630680869663
Status : **Answered**
Chosen Option : **1**

Q.62 The first term of an arithmetic progression is 24, and the last term is −13. If the sum is 99, the number of terms in the sequence is:

Ans

✔ 1. 18

✗ 2. 14

✗ 3. 16

✗ 4. 22

Question ID : 630680224184
Option 1 ID : 630680869449
Option 2 ID : 630680869447
Option 3 ID : 630680869448
Option 4 ID : 630680869450
Status : **Answered**
Chosen Option : **1**

Q.63 The sum of two whole numbers is a whole number. This property is known as:

Ans ✗ 1. distributive property

✗ 2. commutative property

✔ 3. closure property

✗ 4. associative property

Q.64 It is known that if x + y = 10, then x + y + z = 10 + z. Euclid's axiom that illustrates this statement is:

Ans ✔ 1. Second Axiom

✗ 2. Third axiom

✗ 3. First Axiom

✗ 4. Fourth Axiom

Q.65 The sum of 10 terms of an arithmetic series is 420. If the third term of the series is 17, then the first term of the series is:

Ans ✔ 1. −3

✗ 2. 5

✗ 3. −5

✗ 4. 3

Q.66 If $0 < x, y < 90°$, $0 < x + y < 90°$ and $\sin(x + 20°) = \cos(y + 40°)$, then the value of $\tan(x + y)$ is:

Ans
  ✗ 1. 1

  ✗ 2. $\sqrt{3}$

  ✗ 3. -1

  ✓ 4. $\dfrac{1}{\sqrt{3}}$

Q.67 If the roots of the polynomial equation $(b - c)\,x^2 + (c - a)\,x + (a - b) = 0$ are all unequal, then:

Ans
  ✗ 1. $2b = a + c$

  ✗ 2. $2b < a + c$

  ✗ 3. $2b > a + c$

  ✓ 4. $2b \neq a + c$

Q.68 If a, b, c and d are positive real numbers, not all equal, then which of the following is true?

Ans
  ✗ 1. $(a+b+c+d)\left(\dfrac{1}{a}+\dfrac{1}{b}+\dfrac{1}{c}+\dfrac{1}{d}\right) \neq 16$

  ✓ 2. $(a+b+c+d)\left(\dfrac{1}{a}+\dfrac{1}{b}+\dfrac{1}{c}+\dfrac{1}{d}\right) > 16$

  ✗ 3. $(a+b+c+d)\left(\dfrac{1}{a}+\dfrac{1}{b}+\dfrac{1}{c}+\dfrac{1}{d}\right) = 16$

  ✗ 4. $(a+b+c+d)\left(\dfrac{1}{a}+\dfrac{1}{b}+\dfrac{1}{c}+\dfrac{1}{d}\right) < 16$

Q.69 What is the value of $3\frac{2}{3} + 3\frac{1}{6} - 2\frac{1}{2} + \left(13 - 3\frac{1}{3} + 2\right)$?

Ans
- ✗ 1. 6
- ✓ 2. 16
- ✗ 3. 0
- ✗ 4. 9

Q.70 How is the significance of an ANOVA test determined?

Ans
- ✓ 1. By F-statistic
- ✗ 2. By chi-square statistics
- ✗ 3. By t-statistic
- ✗ 4. By calculating the p-value

Q.71 The sides of similar triangles ΔPQR and ΔDEF are in the ratio 3 : 7. If the area of ΔPQR is 63 sq cm, then the area of ΔDEF is:

Ans
- ✗ 1. 334 sq cm
- ✓ 2. 343 sq cm
- ✗ 3. 434sq cm
- ✗ 4. 243 sq cm

Q.72 What is full form of NCTM?

Ans
✗ 1. National Curriculum on Teaching Material

✔ 2. National Council of Teaching Mathematics

✗ 3. National Council of Training and Management

✗ 4. National Curriculum on Teaching and Media

Question ID : 630680224234
Option 1 ID : 630680869648
Option 2 ID : 630680869650
Option 3 ID : 630680869647
Option 4 ID : 630680869649
Status : **Answered**
Chosen Option : **2**

Q.73 The graph $\frac{y}{4} = -1$ is a line:

Ans
✗ 1. that makes an intercept −4 on x-axis

✔ 2.
parallel to x-axis at a distance of 4 units from the origin to the left of y-axis

✗ 3. that makes an intercept 4 on y axis

✗ 4.
parallel to x-axis at a distance of −4 units from the origin to the right of y-axis

Question ID : 630680224166
Option 1 ID : 630680869376
Option 2 ID : 630680869378
Option 3 ID : 630680869377
Option 4 ID : 630680869375
Status : **Answered**
Chosen Option : **3**

Q.74 Which of the following operations is NOT learned at elementary level?

Ans
✗ 1. Multiplication

✗ 2. Addition

✔ 3. Binary operation

✗ 4. Subtraction

Question ID : 630680224237
Option 1 ID : 630680869661
Option 2 ID : 630680869659
Option 3 ID : 630680869660
Option 4 ID : 630680869662
Status : **Answered**
Chosen Option : **3**

Q.75 The sum $1 + 3 + 5 + \cdots + 99$ is equal to:

Ans
✗ 1. 2025
✗ 2. 2005
✔ 3. 2500
✗ 4. 2002

Q.76 If $x = \sqrt{3} - \sqrt{2}$, then the value of $x^3 + \dfrac{1}{x^3} - 17\sqrt{3}$ is:

Ans
✔ 1. $\sqrt{3}$
✗ 2. 0
✗ 3. $-\sqrt{3}$
✗ 4. $\sqrt{2}$

Q.77 The area of a sector of a circle is $\frac{1}{10}$ the area the circle. The degree measure of its minor arc is:

Ans
✗ 1. 72°
✔ 2. 36°
✗ 3. 30°
✗ 4. 26°

Q.78 Which of the following statements is true?

Ans ✗ 1.

The number of prime integers less than or equal to 100 is 93.

✔ 2. There exists a finite number of even prime integers.

✗ 3. There exists a finite number of odd prime integers.

✗ 4. For all integers n, $n^2 + n + 11$ is prime.

Q.79 The roots of the quadratic equation $2x^2 + 2\sqrt{2}x + 1 = 0$ are:

Ans ✗ 1. $\dfrac{1}{\sqrt{2}}, \dfrac{1}{\sqrt{2}}$

✗ 2. $-\sqrt{2}, -\sqrt{2}$

✔ 3. $-\dfrac{1}{\sqrt{2}}, -\dfrac{1}{\sqrt{2}}$

✗ 4. $\dfrac{1}{\sqrt{2}}, \sqrt{2}$

Q.80 Which of the following is the largest?

$\sqrt{3}, \sqrt[3]{2}, \sqrt{2}, \sqrt[3]{4}$

Ans ✖ 1. $\sqrt[3]{2}$

✔ 2. $\sqrt{3}$

✖ 3. $\sqrt[3]{4}$

✖ 4. $\sqrt{2}$

Question ID : 630680224147
Option 1 ID : 630680869302
Option 2 ID : 630680869301
Option 3 ID : 630680869300
Option 4 ID : 630680869299
Status : **Answered**
Chosen Option : **2**

Q.81 The ratio of the sum to the product of the roots of the equation $x^2 - kx + k^3 = 0$ is:

Ans ✖ 1. k

✖ 2. k^2

✔ 3. $\dfrac{1}{k^2}$

✖ 4. $\dfrac{1}{k}$

Question ID : 630680224174
Option 1 ID : 630680869407
Option 2 ID : 630680869408
Option 3 ID : 630680869410
Option 4 ID : 630680869409
Status : **Answered**
Chosen Option : **3**

Q.82 The length and breadth of a cuboid is 5 cm and 2 cm, respectively. If the surface area of the cuboid is 132 cm^2, then the height of the cuboid is:

Ans ✔ 1. 8 cm

✖ 2. 12 cm

✖ 3. 10 cm

✖ 4. 6 cm

Question ID : 630680224210
Option 1 ID : 630680869552
Option 2 ID : 630680869554
Option 3 ID : 630680869553
Option 4 ID : 630680869551
Status : **Answered**
Chosen Option : **1**

Q.83 $tan(45° + θ) - cot(45° - θ) + cot 45°$ is equal to:

Ans

✗ 1. 2cot θ

✔ 2. 1

✗ 3. 2tan θ

✗ 4. 0

Q.84 Study the following line graph and answer the question that follows.

Usage of drinks in (liters) 2 cities
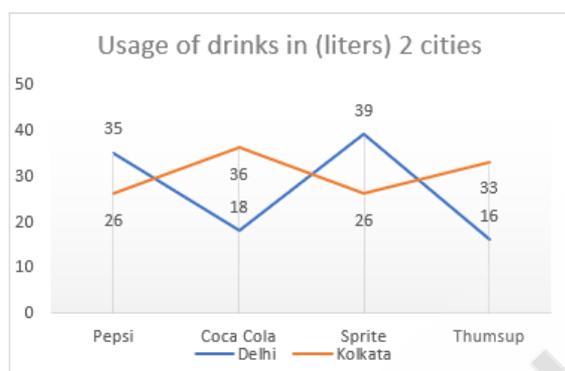
What is the percentage of increase of the usage of sprite from Kolkata to Delhi?

Ans

✔ 1. 50%

✗ 2. 30%

✗ 3. 35%

✗ 4. 25%

Q.85 A certain integer between 1 and 1000 leaves the remainders 1, 2 and 6 when divided by 9, 11 and 13, respectively. The integer is:

Ans ✗ 1. 858

  ✗ 2. 848

  ✗ 3. 828

  ✓ 4. 838

Question ID : **630680224154**
Option 1 ID : **630680869330**
Option 2 ID : **630680869329**
Option 3 ID : **630680869327**
Option 4 ID : **630680869328**
Status : **Answered**
Chosen Option : **4**

Q.86 Which of the following is the major problem of teaching mathematics?

Ans ✗ 1. Knowledge of teaching methods

  ✗ 2. Ability to use mathematical tool

  ✗ 3. Teaching methods of mathematics teacher

  ✓ 4. Classroom operations

Question ID : **630680224240**
Option 1 ID : **630680869674**
Option 2 ID : **630680869672**
Option 3 ID : **630680869671**
Option 4 ID : **630680869673**
Status : **Answered**
Chosen Option : **1**

Q.87 The word 'curriculum' is taken from which of the following languages?

Ans ✓ 1. Latin

  ✗ 2. Arabic

  ✗ 3. French

  ✗ 4. German

Question ID : **630680224243**
Option 1 ID : **630680869684**
Option 2 ID : **630680869685**
Option 3 ID : **630680869686**
Option 4 ID : **630680869683**
Status : **Answered**
Chosen Option : **1**

Q.88 If $sec^2\theta + tan^2\theta = \frac{7}{3}$, $0 < \theta < 90$, then the value of $sec^4\theta - tan^4\theta$ is:

Ans

✔ 1. $\dfrac{7}{3}$

✘ 2. $\dfrac{4}{3}$

✘ 3. $\dfrac{2}{3}$

✘ 4. $\dfrac{5}{3}$

Question ID : **630680224214**
Option 1 ID : **630680869567**
Option 2 ID : **630680869569**
Option 3 ID : **630680869570**
Option 4 ID : **630680869568**
Status : **Answered**
Chosen Option : **1**

Q.89 If A is a square matrix of order 3 such that $A(adjA) = 25I$, then $|adj\,A|$ is equal to:

Ans

✘ 1. 5

✘ 2. 25

✘ 3. 225

✔ 4. 625

Question ID : **630680224157**
Option 1 ID : **630680869339**
Option 2 ID : **630680869340**
Option 3 ID : **630680869341**
Option 4 ID : **630680869342**
Status : **Not Answered**
Chosen Option : **--**

Q.90 The value of the limit $\lim\limits_{x \to 0} \dfrac{\sin 2x - 2 \sin x}{x^3}$ is equal to:

Ans
✗ 1. $\dfrac{1}{3}$

✗ 2. $-\dfrac{1}{3}$

✔ 3. -1

✗ 4. 1

Q.91 Upon completion of academic programmes (Graduation), what outcomes should the students have attained?

Ans
✗ 1. Unit/chapter outcomes

✗ 2. Course outcomes

✔ 3. Programmed outcomes

✗ 4. Lesson outcomes

Q.92 For what value of λ is the function $f(x) = \begin{cases} 9x - \lambda, & x \neq 1 \\ 0, & x = 1 \end{cases}$ continuous at $x = 1$?

Ans
✗ 1. -9

✔ 2. 9

✗ 3. $\dfrac{1}{9}$

✗ 4. $-\dfrac{1}{9}$

Q.93 If two roots of the cubic polynomial $x^3 - 2x^2 - 13x - 10$ are -2 and -1, then the third root is:

Ans
✗ 1. -2

✗ 2. -3

✗ 3. -5

✔ 4. 5

Question ID : **630680224161**
Option 1 ID : **630680869356**
Option 2 ID : **630680869355**
Option 3 ID : **630680869357**
Option 4 ID : **630680869358**
Status : **Answered**
Chosen Option : **4**

Q.94 Let A and B be two events such that $P(A) = \frac{1}{7}$ while $P(A \text{ or } B) = \frac{1}{5}$. Let $P(B) = d$. For what values of d are A and B independent?

Ans
✔ 1. $\dfrac{1}{15}$

✗ 2. $\dfrac{1}{10}$

✗ 3. $\dfrac{4}{15}$

✗ 4. $\dfrac{1}{13}$

Question ID : **630680224226**
Option 1 ID : **630680869617**
Option 2 ID : **630680869615**
Option 3 ID : **630680869618**
Option 4 ID : **630680869616**
Status : **Answered**
Chosen Option : **3**

Q.95

The simplified form of $\left[\left(\sqrt[5]{r^{-\frac{3}{5}}}\right)^{-\frac{5}{3}}\right]^{5}$ is:

Ans

✗ 1. r^{-7}

✔ 2. r

✗ 3. r^{-1}

✗ 4. r^{7}

Q.96 The distance of the point $(p + q, p - q)$ from the origin is:

Ans

✗ 1. $2p$

✗ 2. $|p + q| + |p - q|$

✔ 3. $\left[2\left(p^2 + q^2\right)\right]^{\frac{1}{2}}$

✗ 4. $2\sqrt{p^2 + q^2}$

Q.97 In which technique of self-assessment does the learner try to detect omission, repetition, and mistakes in his/her performance?

Ans

✔ 1. Self-analysis

✘ 2. Scrutiny

✘ 3. Comparison

✘ 4. Reflection

Question ID : **630680224229**
Option 1 ID : **630680869628**
Option 2 ID : **630680869630**
Option 3 ID : **630680869629**
Option 4 ID : **630680869627**
Status : **Answered**
Chosen Option : **1**

Q.98 Mathematics puzzles at primary level help in:

Ans

✔ 1. promoting problem solving skills

✘ 2. testing problem solving skills

✘ 3. providing fun to students

✘ 4. identifying brilliant students in the classroom

Question ID : **630680224235**
Option 1 ID : **630680869653**
Option 2 ID : **630680869654**
Option 3 ID : **630680869652**
Option 4 ID : **630680869651**
Status : **Answered**
Chosen Option : **1**

Q.99 Second moment μ_2 about mean is:

Ans

✘ 1. standard deviation

✘ 2. mean

✔ 3. variance

✘ 4. mean deviation

Question ID : **630680224220**
Option 1 ID : **630680869592**
Option 2 ID : **630680869591**
Option 3 ID : **630680869593**
Option 4 ID : **630680869594**
Status : **Answered**
Chosen Option : **4**

Q.100 If $a_1, a_2, \cdots, a_5$ are distinct positive real numbers, then which of the following is true?

Ans

✗ 1. $\left(\dfrac{a_1 + a_2 + \cdots + a_5}{5}\right)^5 > \left(\dfrac{a_1 + a_2}{2}\right)^2 \left(\dfrac{a_3 + a_4 + a_5}{3}\right)^3$

✔ 2. $\left(\dfrac{a_1 + a_2 + \cdots + a_5}{5}\right)^5 < \left(\dfrac{a_1 + a_2}{2}\right)^2 \left(\dfrac{a_3 + a_4 + a_5}{3}\right)^3$

✗ 3. $\left(\dfrac{a_1 + a_2 + \cdots + a_5}{5}\right)^5 \leq \left(\dfrac{a_1 + a_2}{2}\right)^2 \left(\dfrac{a_3 + a_4 + a_5}{3}\right)^3$

✗ 4. $\left(\dfrac{a_1 + a_2 + \cdots + a_5}{5}\right)^5 \geq \left(\dfrac{a_1 + a_2}{2}\right)^2 \left(\dfrac{a_3 + a_4 + a_5}{3}\right)^3$

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