Teachingninja.in

⭐ **Latest Govt Job updates**

⭐ **Private Job updates**

⭐ **Free Mock tests available**

Visit - teachingninja.in

OAVS
TGT
Previous Year Paper
(Mathematics)
19 May, 2023 Shift 1

Odisha Adarsha Vidyalaya Sangathan
Department of School & Mass Education, Govt. Of Odisha

INSPIRE AND EMPOWER

Participant ID	
Participant Name	
Test Center Name	
Test Date	19/05/2023
Test Time	9:00 AM - 12:20 PM
Subject	TGT Mathematics

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

Q.1 **The following sentence has been split into four segments. Identify the segment that contains a grammatical error.**
The Opposition Leader's / politely address bewildered / all the members / of the Upper House.

Ans ✔ 1. politely address bewildered

✘ 2. of the Upper House

✘ 3. The Opposition Leader's

✘ 4. all the members

Question ID : **630680226466**
Option 1 ID : **630680878572**
Option 2 ID : **630680878574**
Option 3 ID : **630680878571**
Option 4 ID : **630680878573**
Status : **Answered**
Chosen Option : **1**

Q.2 **Select the option that expresses the given sentence in active voice.**
Financial assistance is being sought by many people from the government.

Ans ✔ 1. Many people are seeking financial assistance from the government.

✘ 2. Many people have been seeking financial assistance from the government.

✘ 3. Many people were seeking financial assistance from the government.

✘ 4. Many people have sought financial assistance from the government.

Question ID : **630680226472**
Option 1 ID : **630680878595**
Option 2 ID : **630680878598**
Option 3 ID : **630680878597**
Option 4 ID : **630680878596**
Status : **Answered**
Chosen Option : **1**

Q.3 Select the option that expresses the given sentence in direct speech.
The police officer warned the thief not to move.

Ans ✗ 1. The police officer said to the thief, "You are not allowed to move."

✗ 2. The police officer told the thief, " Beware of moving!"

✗ 3. The police officer asked the thief, "You don't move!"

✔ 4. The police officer said to the thief, "Don't move!"

Question ID : **630680226470**
Option 1 ID : **630680878587**
Option 2 ID : **630680878589**
Option 3 ID : **630680878590**
Option 4 ID : **630680878588**
Status : **Answered**
Chosen Option : **4**

Q.4 Select the most appropriate synonym of the word given in brackets to fill in the blank.
It is difficult to consider these people _____ (friendly) although they appear to be so.

Ans ✗ 1. reclusive

✔ 2. convivial

✗ 3. standoffish

✗ 4. taciturn

Question ID : **630680226455**
Option 1 ID : **630680878527**
Option 2 ID : **630680878530**
Option 3 ID : **630680878528**
Option 4 ID : **630680878529**
Status : **Not Answered**
Chosen Option : **--**

Q.5 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.
Shantanu and his / friends are visiting / India to meet you / and I this April itself.

Ans ✗ 1. Shantanu and his

✔ 2. and I this April itself

✗ 3. India to meet you

✗ 4. friends are visiting

Question ID : **630680226467**
Option 1 ID : **630680878575**
Option 2 ID : **630680878578**
Option 3 ID : **630680878577**
Option 4 ID : **630680878576**
Status : **Answered**
Chosen Option : **2**

Q.6 Select the correctly spelt word to fill in the blank.
He was given just two _____ pieces of toast for breakfast.

Ans ✗ 1. minescule

✗ 2. minescale

✓ 3. minuscule

✗ 4. minuscale

Question ID : **630680226459**
Option 1 ID : **630680878543**
Option 2 ID : **630680878546**
Option 3 ID : **630680878544**
Option 4 ID : **630680878545**
Status : **Not Answered**
Chosen Option : **--**

Q.7 Select the correctly spelt word to fill in the blank.
Pipelines are usually inspected externally from _____.

Ans ✗ 1. submercibles

✗ 2. submarcibles

✓ 3. submersibles

✗ 4. sabmercibles

Question ID : **630680226458**
Option 1 ID : **630680878540**
Option 2 ID : **630680878542**
Option 3 ID : **630680878539**
Option 4 ID : **630680878541**
Status : **Answered**
Chosen Option : **3**

Q.8 Select the most appropriate option to fill in the blanks.

ZaitAit Malek's focus right now is the start of this 27-kilometer run through mountains high above the southern Spanish coast. "Two, one." When the signal sounds, the 'sky runners' _____ away and quickly disappear. Some 120 elite runners from across Spain are _____ for a trophy and a prize (Rupees 1,05,780 for the winner).

Ans ✗ 1. brisk, moving

✗ 2. look, trying

✗ 3. move, working

✓ 4. pound, competing

Question ID : **630680226462**
Option 1 ID : **630680878558**
Option 2 ID : **630680878556**
Option 3 ID : **630680878555**
Option 4 ID : **630680878557**
Status : **Answered**
Chosen Option : **1**

Q.9 Select the most appropriate option to fill in the blanks.

The past is back in the headlines with a vengeance. In Egypt, a new _____ was discovered in the Great Pyramid. It is about 9 metres, and its _____ is unknown.

Ans ✔ 1. chamber, function

✘ 2. object, colour

✘ 3. church, explorer

✘ 4. aspect, purpose

Question ID : **630680226460**
Option 1 ID : **630680878547**
Option 2 ID : **630680878548**
Option 3 ID : **630680878549**
Option 4 ID : **630680878550**
Status : **Answered**
Chosen Option : **2**

Q.10 Select the option that expresses the given sentence in reported speech.
Rohit said, "Rajesh, will you go out with me tomorrow?"

Ans ✘ 1. Rohit asked Rajesh if he will go out with him the day before.

✘ 2. Rohit asked Rajesh whether he will be going out with him the next day.

✔ 3. Rohit asked Rajesh if he would go out with him the next day.

✘ 4. Rohit asked Rajesh if he would go out with me the next day.

Question ID : **630680226469**
Option 1 ID : **630680878584**
Option 2 ID : **630680878586**
Option 3 ID : **630680878583**
Option 4 ID : **630680878585**
Status : **Answered**
Chosen Option : **3**

Q.11 Select the option that can be used as a one-word substitute for the underlined group of words.
The king of Denmark is fond of wearing <u>an ornamented belt</u> over his **shoulder to support the sword.**

Ans ✘ 1. coverlet

✘ 2. garland

✘ 3. hauberk

✔ 4. baldric

Question ID : **630680226463**
Option 1 ID : **630680878560**
Option 2 ID : **630680878559**
Option 3 ID : **630680878562**
Option 4 ID : **630680878561**
Status : **Not Answered**
Chosen Option : **--**

Q.12 Select the option that expresses the given sentence in passive voice.
The man in blue reminded her to be present for the meeting on time.

Ans ✔ 1. She was reminded to be present for the meeting on time by the man in blue.

✘ 2. She reminded to be present for the meeting on time by the man in blue.

✘ 3. She is reminded to attend the meeting by the man in blue.

✘ 4. She had been reminded to be present for the meeting on time by the man in blue.

Question ID : **630680226471**
Option 1 ID : **630680878593**
Option 2 ID : **630680878592**
Option 3 ID : **630680878591**
Option 4 ID : **630680878594**
Status : **Answered**
Chosen Option : **1**

Q.13 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.
The topic of research / that I have chosen / has been quite an / interested one to work upon.

Ans ✘ 1. has been quite an

✔ 2. interested one to work upon

✘ 3. The topic of research

✘ 4. that I have chosen

Question ID : **630680226468**
Option 1 ID : **630680878581**
Option 2 ID : **630680878582**
Option 3 ID : **630680878579**
Option 4 ID : **630680878580**
Status : **Answered**
Chosen Option : **2**

Q.14 Select the most appropriate ANTONYM of the word given in brackets to fill in the blank.
John's _____ (frugality) has been a cause of concern for his parents.

Ans ✘ 1. fearlessness

✘ 2. fruitfulness

✔ 3. extravagancy

✘ 4. parsimony

Question ID : **630680226453**
Option 1 ID : **630680878519**
Option 2 ID : **630680878521**
Option 3 ID : **630680878520**
Option 4 ID : **630680878522**
Status : **Answered**
Chosen Option : **3**

Q.15 Select the most appropriate option to fill in the blanks.

Effective altruism is an intellectual and charitable movement that aspires to find the best ways to help others. People dedicated to it _____ evidence and rational arguments to _____ what they can do to make the most progress toward solving the world's most pressing problems.

Ans ✅ 1. rely on, identify

❌ 2. decide about, develop

❌ 3. think of, work on

❌ 4. ask for, think

Question ID : **630680226461**
Option 1 ID : **630680878554**
Option 2 ID : **630680878551**
Option 3 ID : **630680878552**
Option 4 ID : **630680878553**
Status : **Answered**
Chosen Option : **3**

Q.16 Select the most appropriate meaning of the given phrase.
Get the show on the road

Ans ❌ 1. To showcase the new road

❌ 2. To get a road cleaned

❌ 3. To plan a show for someone

✅ 4. To put a plan into action

Question ID : **630680226457**
Option 1 ID : **630680878535**
Option 2 ID : **630680878536**
Option 3 ID : **630680878538**
Option 4 ID : **630680878537**
Status : **Answered**
Chosen Option : **4**

Q.17 Select the most appropriate meaning of the given idiom.
Play (merry) hell with

Ans ❌ 1. To play merrily in hell

❌ 2. To ruin a good place

✅ 3. To disturb greatly

❌ 4. To distract someone

Question ID : **630680226456**
Option 1 ID : **630680878531**
Option 2 ID : **630680878533**
Option 3 ID : **630680878534**
Option 4 ID : **630680878532**
Status : **Not Answered**
Chosen Option : **--**

Q.18 Select the option that can be used as a substitute for the underlined group of words.
Many people nowadays are found <u>fooling around and wasting their time</u> in meaningless things.

Ans ✗ 1. betraying others

✗ 2. spending immensely

✓ 3. lollygagging

✗ 4. deceiving themselves

Question ID : **630680226464**
Option 1 ID : **630680878566**
Option 2 ID : **630680878564**
Option 3 ID : **630680878563**
Option 4 ID : **630680878565**
Status : **Answered**
Chosen Option : **1**

Q.19 The following sentence has been split into four segments. Identify the segment that contains a spelling error.
His nature of / being quiet / considerate is / his forte.

Ans ✗ 1. His nature of

✓ 2. being quiet

✗ 3. considerate is

✗ 4. his forte

Question ID : **630680226465**
Option 1 ID : **630680878567**
Option 2 ID : **630680878568**
Option 3 ID : **630680878569**
Option 4 ID : **630680878570**
Status : **Answered**
Chosen Option : **3**

Q.20 Select the most appropriate ANTONYM of the word given in brackets to fill in the blank.
Rohan's _____ (sobersided) remarks changed the entire course of the discussion.

Ans ✗ 1. businesslike

✗ 2. incompetent

✓ 3. facetious

✗ 4. solemn

Question ID : **630680226454**
Option 1 ID : **630680878525**
Option 2 ID : **630680878526**
Option 3 ID : **630680878524**
Option 4 ID : **630680878523**
Status : **Answered**
Chosen Option : **1**

Section : **Language Proficiency Test-Odia**

Q.1 ବର୍ଷାରେ ରାସ୍ତା _____ କରୁଛି ।

Ans
- ✖ 1. ଚକଟକ
- ✔ 2. ପଚ୍‌ପଚ୍‌
- ✖ 3. ପିଚ୍‌ପିଚ୍‌
- ✖ 4. ଟପଟପ

Question ID :	**630680226545**
Option 1 ID :	**630680878889**
Option 2 ID :	**630680878890**
Option 3 ID :	**630680878887**
Option 4 ID :	**630680878888**
Status :	**Answered**
Chosen Option :	**2**

Q.2 'ନିଜଲୋକ ଭଲ ନହେବା' ପାଇଁ କେଉଁ ପ୍ରବାଦଟି ଉପଯୁକ୍ତ?

Ans
- ✖ 1. ଫଟାଦର୍ପଣରେ ମୁହଁ ଦେଖିବା
- ✖ 2. ଆପଣାହାତ ପୋଡ଼ାକାଠ
- ✖ 3. ଆପଣାହସ୍ତେ ଜିହ୍ବା ଛେଦି
- ✔ 4. ଆପଣା ସୁନା ଭେଣ୍ଡି

Question ID :	**630680226549**
Option 1 ID :	**630680878906**
Option 2 ID :	**630680878905**
Option 3 ID :	**630680878904**
Option 4 ID :	**630680878903**
Status :	**Answered**
Chosen Option :	**4**

Q.3 ଚରିତ୍ର ନ ଥିଲେ _____ କି ପ୍ରୟୋଜନ ! - ନିମ୍ନମଧ୍ୟରୁ ଉପଯୁକ୍ତ ଶବ୍ଦ ଯୋଗାରେ ଶୂନ୍ୟସ୍ଥାନ ପୂରଣ କର ।

Ans
- ✖ 1. ଭୁମଣରେ
- ✖ 2. ବାସରେ
- ✔ 3. ଜୀବନରେ
- ✖ 4. ଖାଦ୍ୟରେ

Question ID :	**630680226533**
Option 1 ID :	**630680878840**
Option 2 ID :	**630680878842**
Option 3 ID :	**630680878839**
Option 4 ID :	**630680878841**
Status :	**Answered**
Chosen Option :	**3**

Q.4 ଶୁଦ୍ଧ ଶବ୍ଦଟିକୁ ଚିହ୍ନାଇ ଦିଅ ।

Ans ✗ 1. ଗୋଲୋକଦୀହାରୀ

✗ 2. ଗୋଲୋକଦିହାରି

✗ 3. ଗୋଲକଦିହାରୀ

✔ 4. ଗୋଲୋକଦିହାରୀ

Question ID :	**630680226539**
Option 1 ID :	**630680878865**
Option 2 ID :	**630680878866**
Option 3 ID :	**630680878863**
Option 4 ID :	**630680878864**
Status :	**Answered**
Chosen Option :	**4**

Q.5 'କପାଳ ଫିଟିବା' ରୁଢ଼ିର ଅର୍ଥ କ'ଣ?

Ans ✗ 1. ଆଣ୍ଡା ପାଇବା

✗ 2. ସର୍ବନାଶ ହେବା

✗ 3. ଦୁର୍ଦ୍ଦିନ ଆସିବା

✔ 4. ସୁଦିନ ଆସିବା

Question ID :	**630680226547**
Option 1 ID :	**630680878898**
Option 2 ID :	**630680878897**
Option 3 ID :	**630680878896**
Option 4 ID :	**630680878895**
Status :	**Answered**
Chosen Option :	**4**

Q.6 ଲୀଳାବତୀ ଗୁଣରେ _____ ଥିଲେ ।

Ans ✗ 1. ଗରୀୟସି

✔ 2. ଗରୀୟସୀ

✗ 3. ଗରିୟସୀ

✗ 4. ଗରିୟସି

Question ID :	**630680226540**
Option 1 ID :	**630680878868**
Option 2 ID :	**630680878870**
Option 3 ID :	**630680878869**
Option 4 ID :	**630680878867**
Status :	**Answered**
Chosen Option :	**1**

Q.7 'ବିହ୍ୱାହାରୀ'ର ବିପରୀତାର୍ଥ ବୋଧକ ଶବ୍ଦ ଚିହ୍ନାଅ ।

Ans ✗ 1. ଅମିତାହାରୀ

✔ 2. ଅଳ୍ପାହାରୀ

✗ 3. ଅତ୍ୟାହାରୀ

✗ 4. ପ୍ରତ୍ୟାହାରୀ

Question ID :	**630680226543**
Option 1 ID :	**630680878881**
Option 2 ID :	**630680878879**
Option 3 ID :	**630680878880**
Option 4 ID :	**630680878882**
Status :	**Not Answered**
Chosen Option :	**--**

Q.8 ଯେଉଁ ବାକ୍ୟରେ ଗୋଟିଏ ପ୍ରଧାନବାକ୍ୟ ଓ ଏକ ବା ଏକାଧିକ ଅପ୍ରଧାନ ବାକ୍ୟ ଥାଆନ୍ତି ଏବଂ ଏଗୁଡ଼ିକ ପ୍ରଧାନ ବାକ୍ୟ ଉପରେ ଅର୍ଥବୋଧ ପାଇଁ ନିର୍ଭର କରୁଥାନ୍ତି- ତାକୁ କେଉଁ ବାକ୍ୟ କୁହାଯାଏ?

Ans ✗ 1. ଯୌଗିକ

✗ 2. ସରଳ

✓ 3. ଜଟିଳ

✗ 4. ମିଶ୍ର

Question ID :	**630680226552**
Option 1 ID :	**630680878916**
Option 2 ID :	**630680878915**
Option 3 ID :	**630680878917**
Option 4 ID :	**630680878918**
Status :	**Answered**
Chosen Option :	**4**

Q.9 ଶୁଦ୍ଧବାକ୍ୟଟି ଚିହ୍ନାଇ ଦିଅ ।

Ans ✗ 1. ଗୋଲକ ବିହାରୀ ଧଳ ଜଣେ ଭାଷାତତ୍ତ୍ୱବିତ୍ ଥିଲେ ।

✗ 2. ଗୋଲକବିହାରି ଧଳ ଜଣେ ଭାଷାତତ୍ତ୍ୱବିତ୍ ଥିଲେ ।

✗ 3. ଗୋଲକବିହାରୀ ଧଳ ଜଣେ ଭାଷାତତ୍ତ୍ୱବିତ୍ ଥିଲେ ।

✓ 4. ଗୋଲୋକବିହାରୀ ଧଳ ଜଣେ ଭାଷାତତ୍ତ୍ୱବିତ୍ ଥିଲେ ।

Question ID :	**630680226541**
Option 1 ID :	**630680878874**
Option 2 ID :	**630680878873**
Option 3 ID :	**630680878871**
Option 4 ID :	**630680878872**
Status :	**Answered**
Chosen Option :	**4**

Q.10 କର୍ତ୍ତୁବାଚ୍ୟର ବାକ୍ୟକୁ କର୍ମବାଚ୍ୟରେ ରୂପାନ୍ତରିତ କଲାବେଳେ ମୂଳ ବାକ୍ୟର କର୍ତ୍ତାଠାରେ କେଉଁ ବିଭକ୍ତି ହୋଇଥାଏ?

Ans ✗ 1. ପ୍ରଥମା

✗ 2. ଚତୁର୍ଥୀ ବା ପଞ୍ଚମୀ

✗ 3. ଚତୁର୍ଥୀ

✓ 4. ଦ୍ୱିତୀୟା ବା ତୃତୀୟା

Question ID :	**630680226551**
Option 1 ID :	**630680878911**
Option 2 ID :	**630680878914**
Option 3 ID :	**630680878913**
Option 4 ID :	**630680878912**
Status :	**Not Answered**
Chosen Option :	**--**

Q.11 _____ ଭକ୍ତଙ୍କୁ ଶୈବ କୁହାଯାଏ । - ନିମ୍ନମଧ୍ୟରୁ ଉପଯୁକ୍ତ ଶବ୍ଦ ଯୋଗରେ ଶୂନ୍ୟସ୍ଥାନ ପୂରଣ କର ।

Ans

✗ 1. ପାର୍ବତୀଙ୍କର

✔ 2. ଶିବଙ୍କର

✗ 3. ସହସ୍ରାକ୍ଷଙ୍କର

✗ 4. ସୁରପତିଙ୍କର

Question ID : **630680226534**
Option 1 ID : **630680878844**
Option 2 ID : **630680878845**
Option 3 ID : **630680878846**
Option 4 ID : **630680878843**
Status : **Answered**
Chosen Option : **2**

Q.12 ସେ _____ ପାଣିରେ ଗୋଡ ଦେବା ଲୋକ ନୁହନ୍ତି । - ନିମ୍ନମଧ୍ୟରୁ ଉପଯୁକ୍ତ ଶବ୍ଦ ଯୋଗରେ ଶୂନ୍ୟସ୍ଥାନ ପୂରଣ କର ।

Ans

✗ 1. ସ୍ଥିର

✗ 2. ଭାସିଲା

✔ 3. ହାଲିଲା

✗ 4. ବୋହିଲା

Question ID : **630680226537**
Option 1 ID : **630680878856**
Option 2 ID : **630680878857**
Option 3 ID : **630680878855**
Option 4 ID : **630680878858**
Status : **Answered**
Chosen Option : **3**

Q.13 'ସାକାର'ର ବିପରୀତାର୍ଥବୋଧକ ଶବ୍ଦ ଲେଖ ।

Ans

✗ 1. ଆକାର

✔ 2. ନିରାକାର

✗ 3. ଆଶାକାର

✗ 4. ବିକାର

Question ID : **630680226544**
Option 1 ID : **630680878884**
Option 2 ID : **630680878886**
Option 3 ID : **630680878883**
Option 4 ID : **630680878885**
Status : **Answered**
Chosen Option : **2**

Q.14 'ଆଖିରେ ନାଚିବା' ରୂଢ଼ି କେଉଁ ଅର୍ଥରେ ବ୍ୟବହୃତ ହୁଏ?

Ans ✗ 1. ଠାରିକରି କହିବା

✗ 2. ଦେଖିପାରିବା

✗ 3. ଦେଖେଇ ହେବା

✓ 4. ମନେପଡ଼ିବା

Question ID : **630680226546**
Option 1 ID : **630680878892**
Option 2 ID : **630680878893**
Option 3 ID : **630680878891**
Option 4 ID : **630680878894**
Status : **Answered**
Chosen Option : **4**

Q.15 ଗଙ୍ଗାଙ୍କର ପ୍ରତିଶବ୍ଦ କେଉଁଟି ନୁହେଁ?

Ans ✗ 1. ସୁରଧୁନୀ

✗ 2. ବିଷ୍ଣୁପଦୀ

✗ 3. ତ୍ରିପଥଗା

✓ 4. ନିମ୍ନଗା

Question ID : **630680226542**
Option 1 ID : **630680878876**
Option 2 ID : **630680878878**
Option 3 ID : **630680878875**
Option 4 ID : **630680878877**
Status : **Answered**
Chosen Option : **4**

Q.16 'ବିରାଡ଼ି ଛିଙ୍କିବା'ର ପ୍ରକୃତ ଅର୍ଥ କ'ଣ ?

Ans ✗ 1. ବୈଷ୍ଣବଘର ବିରାଡ଼ି

✗ 2. ଆମିଷ ଭକ୍ଷଣ କରୁନଥିବା ବିରାଡ଼ି

✗ 3. ବୈଷ୍ଣବ ପରି ବିରାଡ଼ି

✓ 4. ଅଶୁଭ ସଂକେତ

Question ID : **630680226538**
Option 1 ID : **630680878859**
Option 2 ID : **630680878862**
Option 3 ID : **630680878861**
Option 4 ID : **630680878860**
Status : **Answered**
Chosen Option : **4**

Q.17 'ଉପଚୟ'ର ବିପରୀତାର୍ଥବୋଧକ ଶବ୍ଦଟି କ'ଣ ?

Ans
- ✗ 1. ଅନୁଚୟ
- ✗ 2. ନିଚୟ
- ✔ 3. ଅପଚୟ
- ✗ 4. ଅନୁପଚୟ

Question ID : **630680226536**
Option 1 ID : **630680878851**
Option 2 ID : **630680878852**
Option 3 ID : **630680878853**
Option 4 ID : **630680878854**
Status : **Answered**
Chosen Option : **3**

Q.18 'ଯତି ପଡ଼ିବା' ରୂଢ଼ିର ଅର୍ଥ କ'ଣ?

Ans
- ✔ 1. ମେଳ ଖାଇବା
- ✗ 2. ଏକାଠି ରହିବା
- ✗ 3. ମିତ ବସିବା
- ✗ 4. ମିଳିତ ହେବା

Question ID : **630680226548**
Option 1 ID : **630680878900**
Option 2 ID : **630680878902**
Option 3 ID : **630680878899**
Option 4 ID : **630680878901**
Status : **Answered**
Chosen Option : **1**

Q.19 'ମେଘ'ର ସମାର୍ଥବୋଧକ ଶବ୍ଦଟି କ'ଣ ?

Ans
- ✗ 1. ଆପଗା
- ✗ 2. ଅମ୍ବୁଧ
- ✗ 3. ମହୀଧର
- ✔ 4. ବଳାହକ

Question ID : **630680226535**
Option 1 ID : **630680878849**
Option 2 ID : **630680878847**
Option 3 ID : **630680878850**
Option 4 ID : **630680878848**
Status : **Not Answered**
Chosen Option : **--**

Q.20 'ପଦକ୍ଷେପେ ଗମନ' ପ୍ରତିବଦଳରେ କେଉଁ ଶବ୍ଦ ବ୍ୟବହାର କରାଯାଇ ପାରେ?

Ans ✓ 1. ଅନୁଗମନ

✗ 2. ଅନୁସରଣ

✗ 3. ଅନୁଧାବନ

✗ 4. ପଶ୍ଚାତ୍‌ଧାବନ

Question ID : **630680226550**
Option 1 ID : **630680878909**
Option 2 ID : **630680878907**
Option 3 ID : **630680878908**
Option 4 ID : **630680878910**
Status : **Answered**
Chosen Option : **1**

Section : **Current Affairs**

Q.1 Prime Minister Narendra Modi inaugurated the _____ cultural festival at Talkatora Stadium in Delhi on 25th February 2023.

Ans ✗ 1. Baisakhi

✓ 2. Barisu Kannada Dim Dimava

✗ 3. Hemis

✗ 4. Thrissur Pooram

Question ID : **630680226501**
Option 1 ID : **630680878713**
Option 2 ID : **630680878712**
Option 3 ID : **630680878714**
Option 4 ID : **630680878711**
Status : **Answered**
Chosen Option : **1**

Q.2 The Reserve Bank of India's Monetary Policy Committee (MPC) recently announced the first bi-monthly monetary policy of FY2023-24 where the RBI Governor Shaktikanta Das revealed that the MPC has unanimously decided to keep the repo rate unchanged at _____%.

Ans ✗ 1. 5.45

✓ 2. 6.50

✗ 3. 3.65

✗ 4. 4.87

Question ID : **630680226486**
Option 1 ID : **630680878654**
Option 2 ID : **630680878653**
Option 3 ID : **630680878651**
Option 4 ID : **630680878652**
Status : **Answered**
Chosen Option : **2**

Q.3 2023 ISSF Shooting World Cup was held in Cairo. India's two players won gold. This is the first time India won gold in this competition. Name the two players.

Ans ✗ 1. Ruturaj Singh and Gagan Narang

✗ 2. Abhinav Bindra and Manu Bhaker

✗ 3. Saurabh Chaudhary and Heena Sindhu

✓ 4. Rudrankksh Patil and R Narmada Nithin

Question ID : **630680226477**
Option 1 ID : **630680878617**
Option 2 ID : **630680878615**
Option 3 ID : **630680878618**
Option 4 ID : **630680878616**
Status : **Answered**
Chosen Option : **4**

Q.4 To reduce pollution in the Ganga river, the Namami Gange Executive Committee approved nine projects. These projects are to be implemented at a cost of ₹_____.

Ans ✗ 1. 3,000 crore

✓ 2. 1,200 crore

✗ 3. 2,500 crore

✗ 4. 3,200 crore

Question ID : **630680226489**
Option 1 ID : **630680878666**
Option 2 ID : **630680878664**
Option 3 ID : **630680878665**
Option 4 ID : **630680878663**
Status : **Answered**
Chosen Option : **4**

Q.5 Agricultural and Processed Food Export Development Authority (APEDA) is participating in the 28th edition of Gulfood 2023, which will be held in _____.

Ans ✓ 1. United Arab Emirates

✗ 2. China

✗ 3. United Kingdom

✗ 4. Japan

Question ID : **630680226492**
Option 1 ID : **630680878676**
Option 2 ID : **630680878678**
Option 3 ID : **630680878677**
Option 4 ID : **630680878675**
Status : **Answered**
Chosen Option : **1**

Q.6 India and _____ have made plans to strengthen cooperation in the fields of skill development and education through joint collaborations in April 2022.

Ans ✗ 1. China

✗ 2. the United Kingdom

✗ 3. Australia

✓ 4. the United States of America

Question ID : **630680226495**
Option 1 ID : **630680878689**
Option 2 ID : **630680878687**
Option 3 ID : **630680878690**
Option 4 ID : **630680878688**
Status : **Answered**
Chosen Option : **3**

Q.7 The Ministry of Culture announced in March 2023 that the Government of India will launch yearlong celebrations marking the _____ birth anniversary of the reformer Sevala Maharaj.

Ans ✗ 1. 154th

✗ 2. 312th

✗ 3. 465th

✓ 4. 284th

Question ID : **630680226499**
Option 1 ID : **630680878703**
Option 2 ID : **630680878705**
Option 3 ID : **630680878706**
Option 4 ID : **630680878704**
Status : **Not Answered**
Chosen Option : **--**

Q.8 The Central Government has decided to set up language centres to prepare study material and courses for each of the _____ languages in the eighth schedule of the Constitution.

Ans ✗ 1. 12

✗ 2. 19

✓ 3. 22

✗ 4. 32

Question ID : **630680226480**
Option 1 ID : **630680878629**
Option 2 ID : **630680878630**
Option 3 ID : **630680878628**
Option 4 ID : **630680878627**
Status : **Answered**
Chosen Option : **3**

Q.9 The Government of India notified the National Geospatial Policy 2022 in December last year as replacements for the _____ to strengthen the location-centric industry to assist with information economy.

Ans ✔️ 1. National Map Policy, 2005

❌ 2. National Women Policy, 2016

❌ 3. National Health Policy, 2017

❌ 4. National Education Policy, 2020

Question ID : **630680226485**
Option 1 ID : **630680878650**
Option 2 ID : **630680878649**
Option 3 ID : **630680878648**
Option 4 ID : **630680878647**
Status : **Answered**
Chosen Option : **1**

Q.10 The Chinese Government has decided to block the popular search engine _____ in the country, citing concerns about propaganda and censorship.

Ans ❌ 1. Baidu

❌ 2. AOL.com

✔️ 3. ChatGPT

❌ 4. Ecosia

Question ID : **630680226473**
Option 1 ID : **630680878599**
Option 2 ID : **630680878602**
Option 3 ID : **630680878600**
Option 4 ID : **630680878601**
Status : **Answered**
Chosen Option : **3**

Q.11 Olympic medallist _____ has been unanimously chosen as chairman of the Indian Olympic Association's (IOA) Athletes Commission in November 2022.

Ans ❌ 1. Achanta Sharath Kamal

❌ 2. Tejaswin Shankar

✔️ 3. Mary Kom

❌ 4. Manika Batra

Question ID : **630680226478**
Option 1 ID : **630680878621**
Option 2 ID : **630680878620**
Option 3 ID : **630680878619**
Option 4 ID : **630680878622**
Status : **Answered**
Chosen Option : **3**

Q.12 New members joined the UNSC on 3 January 2023.Which of the following is NOT one of them?

Ans   ✗ 1. Japan

   ✓ 2. Chile

   ✗ 3. Ecuador

   ✗ 4. Malta

Question ID :	**630680226475**
Option 1 ID :	**630680878608**
Option 2 ID :	**630680878609**
Option 3 ID :	**630680878607**
Option 4 ID :	**630680878610**
Status :	**Answered**
Chosen Option :	**4**

Q.13 The Ministry of Culture's flagship initiative, _____, has completed its first year during this year 2022-23.

Ans   ✓ 1. 'Dhara: An Ode to Indian Knowledge Systems'

   ✗ 2. 'Jaltarang: An Ode to Indian Knowledge Systems'

   ✗ 3. 'Swara: An Ode to Indian Knowledge Systems'

   ✗ 4. 'Ganga: An Ode to Indian Knowledge Systems'

Question ID :	**630680226498**
Option 1 ID :	**630680878699**
Option 2 ID :	**630680878701**
Option 3 ID :	**630680878702**
Option 4 ID :	**630680878700**
Status :	**Answered**
Chosen Option :	**2**

Q.14 In the first-ever SDG Gender Index, which measures progress made in achieving gender commitments against internationally set targets, India was ranked _____ out of a total 129 countries.

Ans   ✗ 1. 121st

   ✗ 2. 85th

   ✓ 3. 95th

   ✗ 4. 110th

Question ID :	**630680226497**
Option 1 ID :	**630680878697**
Option 2 ID :	**630680878695**
Option 3 ID :	**630680878696**
Option 4 ID :	**630680878698**
Status :	**Answered**
Chosen Option :	**1**

Q.15 Sethrichem Sangtam, who helped triple the incomes of 1200 marginalised farmers in Eastern _____, was awarded the first Rohini Nayyar prize for outstanding contribution to rural development.

Ans
✗ 1. Sikkim

✓ 2. Nagaland

✗ 3. Assam

✗ 4. Orissa

Question ID : **630680226488**
Option 1 ID : **630680878662**
Option 2 ID : **630680878660**
Option 3 ID : **630680878661**
Option 4 ID : **630680878659**
Status : **Answered**
Chosen Option : **2**

Q.16 India's Central Board of Indirect Taxes and Customs (CBIC) celebrated International Customs Day on _____ 2023, where the theme for this year, as given by the World Customs Nurturing the Next Generation: Promoting a Culture of Knowledge-sharing and Professional Pride in Customs' Organisation (WCO), was '

Ans
✗ 1. 15 Feb

✓ 2. 27 Jan

✗ 3. 31 Jan

✗ 4. 12 Feb

Question ID : **630680226493**
Option 1 ID : **630680878682**
Option 2 ID : **630680878681**
Option 3 ID : **630680878680**
Option 4 ID : **630680878679**
Status : **Not Answered**
Chosen Option : **--**

Q.17 The International Monetary Fund recently unveiled a Crypto Action plan to safeguard monetary sovereignty in the world, which will help countries to frame their crypto policies in a _____-point action plan.

Ans
✗ 1. 5

✗ 2. 18

✗ 3. 12

✓ 4. 9

Question ID : **630680226484**
Option 1 ID : **630680878645**
Option 2 ID : **630680878646**
Option 3 ID : **630680878643**
Option 4 ID : **630680878644**
Status : **Answered**
Chosen Option : **1**

Q.18 _____ defeated South Africa in T20 Women's World Cup 2023 at Newlands in Cape Town.

Ans ✗ 1. Bangladesh

✗ 2. New Zealand

✓ 3. Australia

✗ 4. Sri Lanka

Question ID : **630680226476**
Option 1 ID : **630680878614**
Option 2 ID : **630680878612**
Option 3 ID : **630680878611**
Option 4 ID : **630680878613**
Status : **Answered**
Chosen Option : **3**

Q.19 The Calcutta high court on 29th September 2022 declared the _____ Scheme of the West Bengal government is ultra vires to the National Food Security Act, 2013 and is legally void.

Ans ✗ 1. Ayushman Bharat

✗ 2. Unnat Jeevan

✓ 3. Duare Ration

✗ 4. Grameen Kaushalya

Question ID : **630680226482**
Option 1 ID : **630680878636**
Option 2 ID : **630680878638**
Option 3 ID : **630680878637**
Option 4 ID : **630680878635**
Status : **Answered**
Chosen Option : **3**

Q.20 Fossils of the oldest known insect and the world's first plant pollinators called _____ were discovered recently in Russia in March 2023.

Ans ✗ 1. Marigold

✓ 2. Tillyardembiids

✗ 3. Nasturtium

✗ 4. Calendula

Question ID : **630680226491**
Option 1 ID : **630680878672**
Option 2 ID : **630680878673**
Option 3 ID : **630680878671**
Option 4 ID : **630680878674**
Status : **Answered**
Chosen Option : **2**

Q.21 The Prime Minister released the 13th instalment amount of more than ₹16,800 crore to more than _____ beneficiary farmers under the PM-KISAN at Belagavi, Karnataka in February 2023.

Ans ✗ 1. 7 crore

✔ 2. 8 crore

✗ 3. 6 crore

✗ 4. 1 crore

Question ID : **630680226481**
Option 1 ID : **630680878634**
Option 2 ID : **630680878631**
Option 3 ID : **630680878633**
Option 4 ID : **630680878632**
Status : **Answered**
Chosen Option : **2**

Q.22 For the next fiscal year 2023-24, the Union Budget has pegged disinvestment revenue at ₹_____ crore.

Ans ✗ 1. 45,000

✔ 2. 51,000

✗ 3. 35,000

✗ 4. 25,000

Question ID : **630680226487**
Option 1 ID : **630680878658**
Option 2 ID : **630680878655**
Option 3 ID : **630680878656**
Option 4 ID : **630680878657**
Status : **Answered**
Chosen Option : **1**

Q.23 Prime Minister Narendra Modi recently inaugurated the Shivamogga airport in the state of Karnataka in Feb 2023. The airport was built at a cost of around ₹_____ crore.

Ans ✗ 1. 220

✗ 2. 300

✔ 3. 450

✗ 4. 150

Question ID : **630680226474**
Option 1 ID : **630680878603**
Option 2 ID : **630680878605**
Option 3 ID : **630680878604**
Option 4 ID : **630680878606**
Status : **Answered**
Chosen Option : **3**

Q.24 A tripartite peace agreement was recently signed between the Centre, Assam Government and _____ tribal groups of Assam in the presence of Union Home Minister Amit Shah in New Delhi.

Ans
- ✗ 1. ten
- ✗ 2. seven
- ✗ 3. nine
- ✓ 4. eight

Question ID :	**630680226483**
Option 1 ID :	**630680878642**
Option 2 ID :	**630680878639**
Option 3 ID :	**630680878640**
Option 4 ID :	**630680878641**
Status :	**Answered**
Chosen Option :	**3**

Q.25 The Gujarat Forest Department, BCSG (Bird Conservation Society of Gujarat) and the Adams Nature Retreat Resort together organised a two-day bird survey in _____ in February 2023.

Ans
- ✗ 1. Rajkot
- ✗ 2. Dholera
- ✗ 3. Jamnagar
- ✓ 4. Dharoi

Question ID :	**630680226490**
Option 1 ID :	**630680878667**
Option 2 ID :	**630680878670**
Option 3 ID :	**630680878668**
Option 4 ID :	**630680878669**
Status :	**Answered**
Chosen Option :	**3**

Q.26 Legendary sprinter _____ became the first woman president of the Indian Olympic Association (IOA) in the sports body's 95-year-long history on 10 December 2022.

Ans
- ✓ 1. PT Usha
- ✗ 2. Dutee Chand
- ✗ 3. Dhanalakshmi
- ✗ 4. Hima Das

Question ID :	**630680226479**
Option 1 ID :	**630680878624**
Option 2 ID :	**630680878623**
Option 3 ID :	**630680878625**
Option 4 ID :	**630680878626**
Status :	**Answered**
Chosen Option :	**1**

Q.27 The jets _____ crashed near Morena's Pahargarh area after taking off from Gwalior air base in January 2023.

Ans ✔ 1. Sukhoi-30 and Mirage 2000

✘ 2. MiG-29 and SU-30

✘ 3. Sukhoi-40 and Mirage 20

✘ 4. SU-20 and MiG-39

Question ID : **630680226502**
Option 1 ID : **630680878716**
Option 2 ID : **630680878715**
Option 3 ID : **630680878718**
Option 4 ID : **630680878717**
Status : **Answered**
Chosen Option : **2**

Q.28 The Archaeological Survey of India recently discovered a 1300-year-old Buddhist stupa at Khondalite stone mining site in _____ during a mining operation.

Ans ✘ 1. Bihar

✔ 2. Odisha

✘ 3. Uttar Pradesh

✘ 4. Assam

Question ID : **630680226500**
Option 1 ID : **630680878707**
Option 2 ID : **630680878708**
Option 3 ID : **630680878709**
Option 4 ID : **630680878710**
Status : **Answered**
Chosen Option : **2**

Q.29 The International Day of Innocent Children Victims of Aggression will be observed on _____ to acknowledge the pain suffered by children throughout the world who are the victims of physical, mental and emotional abuse.

Ans ✘ 1. 4 August

✘ 2. 4 September

✘ 3. 4 July

✔ 4. 4 June

Question ID : **630680226496**
Option 1 ID : **630680878693**
Option 2 ID : **630680878694**
Option 3 ID : **630680878691**
Option 4 ID : **630680878692**
Status : **Not Answered**
Chosen Option : **--**

Q.30 Scientists have recently discovered a new form of corrosion known as the _____ corrosion. This type of corrosion is characterised by a wormhole-like _____ morphology that can serve as a mass-flow pathway.

Ans
✗ 1. 3D wormhole; 3D

✓ 2. 1D wormhole; 1D

✗ 3. 4D wormhole; 4D

✗ 4. 2D wormhole; 2D

Question ID : **630680226494**
Option 1 ID : **630680878685**
Option 2 ID : **630680878684**
Option 3 ID : **630680878686**
Option 4 ID : **630680878683**
Status : **Answered**
Chosen Option : **4**

Section : **Reasoning**

Q.1 A certain number of people are sitting in a row facing north. There are three persons sitting between K and L. M is sitting second from one of the extreme ends. Four persons are sitting between L and P. There are more than three persons between M and P. P is sitting fourth from the left end. K is not sitting third to the right of P. Only three persons are between K and M. O is sitting exactly between K and L. R is sitting second to the left of P. Only two persons are sitting between L and S.

How many persons are sitting in the row?

Ans
✗ 1. 19

✗ 2. 20

✗ 3. 21

✓ 4. 18

Question ID : **630680226509**
Option 1 ID : **630680878746**
Option 2 ID : **630680878743**
Option 3 ID : **630680878745**
Option 4 ID : **630680878744**
Status : **Not Answered**
Chosen Option : **--**

Q.2 In a certain code language, 'QUICK' is coded as 'OSSWGKAEIM' and 'WORLD' is coded as 'UYMQPTJNBF'. How will 'SLICE' be coded in that language?

Ans
✗ 1. SYWLQALPSC

✗ 2. UWKMGRBAJK

✓ 3. QUJNGKAECG

✗ 4. CGAENKGJUQ

Question ID : **630680226517**
Option 1 ID : **630680878775**
Option 2 ID : **630680878778**
Option 3 ID : **630680878776**
Option 4 ID : **630680878777**
Status : **Answered**
Chosen Option : **3**

Q.3 Select the box/boxes that can be formed by folding the given sheet (Figure D) along the lines.
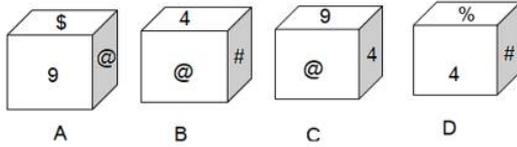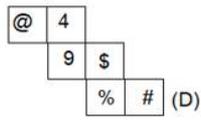
Ans

✗ 1. Only A

✔ 2. Only B and C

✗ 3. Only C and D

✗ 4. Only B

Q.4 Select the option that is related to the third term in the same way as the second term is related to the first term.

X784K : N324A :: T169V : ?

Ans

✔ 1. J9L

✗ 2. W49P

✗ 3. F81R

✗ 4. L23Y

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

9, 4, 57,16, 153, ?, 297, 76, ?, 124

Ans ✗ 1. 67, 386

✓ 2. 40, 489

✗ 3. 48, 654

✗ 4. 53, 723

Q.6 In the Venn diagram given below, different shapes represent different places where students of a college want to go for an educational trip. What is the ratio of students who like to go to Kerala, Port Blair and Goa and students who like to go Pune and Goa?

Pune 12 50 32
Portblair 6
1 31 13
18 10
14 9
3
42 40 Kerala
25
Goa

Ans ✓ 1. 9 : 32

✗ 2. 8 : 67

✗ 3. 11 : 76

✗ 4. 9 : 48

Q.7 In a row of girls, Shilpa is 14th from the left end, whereas Aarti is 10th from the right end. If Revati is sitting exactly between Shilpa and Aarti and holds the 15th rank from the right end, then find the rank of Revati from the left end?

Ans ✗ 1. 18

✓ 2. 19

✗ 3. 22

✗ 4. 20

Q.8 Select the number from among the given options that can replace the question mark (?) in the following series.

3, 12, 156, ?

Ans ✔ 1. 24492

✘ 2. 25697

✘ 3. 16240

✘ 4. 13453

Q.9 Select the box/boxes that can be formed by folding the given sheet (Figure Y) along the lines.

(y)
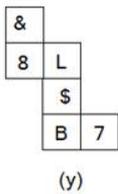
(u)　　(v)　　(w)　　(x)

Ans ✘ 1. Only v and w

✘ 2. Only w

✔ 3. Only x

✘ 4. Only u and x

Q.10 Select the term from among the given options that can replace the question mark (?) in the following series.

W324X, T361S, ?, N441I, K484D

Ans
✘ 1. P484V

✘ 2. I629R

✔ 3. Q400N

✘ 4. F534K

Question ID : **630680226513**
Option 1 ID : **630680878762**
Option 2 ID : **630680878759**
Option 3 ID : **630680878760**
Option 4 ID : **630680878761**
Status : **Answered**
Chosen Option : **3**

Q.11 Select the option that is related to the third term in the same way as the second term is related to the first term.

D196R : S169C :: J289W : ?

Ans
✘ 1. N455Z

✔ 2. Y256H

✘ 3. P729E

✘ 4. K629G

Question ID : **630680226519**
Option 1 ID : **630680878784**
Option 2 ID : **630680878785**
Option 3 ID : **630680878786**
Option 4 ID : **630680878783**
Status : **Answered**
Chosen Option : **2**

Q.12 Choose the correct water image of the given figure from the given four figures.

withdraw

M ~~~~~~~~~~~~ N

(1) MⴹFNⴟꝶⴰM

(2) MⴰⴷꝶNⴹM

(3) MⴹFⴷⴰⴷⴰM

(4) MⴹFNⴷⴷⴰM

Ans   ✗ 1. 3

✓ 2. 4

✗ 3. 1

✗ 4. 2

Question ID : **630680226527**
Option 1 ID : **630680878816**
Option 2 ID : **630680878817**
Option 3 ID : **630680878818**
Option 4 ID : **630680878815**
Status : **Answered**
Chosen Option : **2**

Q.13 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. IAC

✗ 2. BVK

✓ 3. GOB

✗ 4. FXD

Question ID : **630680226521**
Option 1 ID : **630680878792**
Option 2 ID : **630680878791**
Option 3 ID : **630680878794**
Option 4 ID : **630680878793**
Status : **Answered**
Chosen Option : **1**

Q.14 Eight persons, Rishi, Anita, Rima, Babita, Shivani, Charu, Gogi and Tarun, are living in an eight-storey building where the lowermost floor is numbered 1, the floor just above it is numbered as 2 and so on. Only one person lives on one floor. Only one person lives between the floors of Tarun and Rima, who lives on any floor below the floor of Charu. Shivani lives immediately above Gogi's floor. Tarun lives on the third floor. Only one person lives between the floors of Charu and Babita. Charu lives above Babita. Only two persons live between Tarun and Rishi's floors.

Who lives on the 5th floor?

Ans ✗ 1. Shivani

✔ 2. Anita

✗ 3. Gogi

✗ 4. Rima

Question ID : **630680226508**
Option 1 ID : **630680878741**
Option 2 ID : **630680878742**
Option 3 ID : **630680878739**
Option 4 ID : **630680878740**
Status : **Not Answered**
Chosen Option : **--**

Q.15 There are seven persons P, Q, R, S, T, U and V. Each of them has different heights. R is taller than only V. The number of persons shorter than Q is equal to the number of persons taller than S. Neither P nor T is the tallest. Who among the following is the tallest?

Ans ✔ 1. U

✗ 2. R

✗ 3. V

✗ 4. Q

Question ID : **630680226512**
Option 1 ID : **630680878755**
Option 2 ID : **630680878757**
Option 3 ID : **630680878758**
Option 4 ID : **630680878756**
Status : **Answered**
Chosen Option : **4**

Q.16 Pratham goes 6 m towards south from his college and then he turns to his left and walks 8 m. How far and in which direction is he now from his college?

Ans ✔ 1. 10 m and south-east

✗ 2. 14 m and north-west

✗ 3. 8 m and north-east

✗ 4. 12 m and south-east

Question ID : **630680226516**
Option 1 ID : **630680878771**
Option 2 ID : **630680878774**
Option 3 ID : **630680878772**
Option 4 ID : **630680878773**
Status : **Answered**
Chosen Option : **1**

Q.17 Eight persons, A, C, P, M, R, Y, T and Z, are sitting around a square table in such a way that four of them are sitting in the middle of the sides facing the centre, while four of them are sitting at the four corners facing outside the centre. A is sitting 2nd to the right of C. P is sitting 2nd to the left of M. R is sitting 3rd to the right of Y. R is facing outside. T is sitting 3rd to the right of C. R is not an immediate neighbour of M.

Which of the following statements is FALSE?

Ans ✗ 1. P is the immediate neighbour of C.

✗ 2. T is 2nd to the right of M.

✗ 3. A is the immediate neighbour of R.

✓ 4. Two people are sitting between A and C.

Question ID : **630680226504**
Option 1 ID : **630680878723**
Option 2 ID : **630680878724**
Option 3 ID : **630680878726**
Option 4 ID : **630680878725**
Status : **Not Answered**
Chosen Option : **--**

Q.18 In a certain code language, COW is written as 9-45-69 and BIRD is written as 8-36-72-16. How will WHALE be written in that language?

Ans ✗ 1. 69-40-5-60-25

✓ 2. 115-40-5-60-25

✗ 3. 115-40-5-60-30

✗ 4. 115-24-5-60-25

Question ID : **630680226532**
Option 1 ID : **630680878837**
Option 2 ID : **630680878836**
Option 3 ID : **630680878835**
Option 4 ID : **630680878838**
Status : **Answered**
Chosen Option : **2**

Q.19 Four word pairs have been given, out of which three are alike in some manner and one is different. Select the one that is different.

Ans ✗ 1. Oncology - Cancer

✗ 2. Psychology - Human behaviour

✗ 3. Entomology - Insects

✓ 4. Zoology - Plants

Question ID : **630680226522**
Option 1 ID : **630680878797**
Option 2 ID : **630680878795**
Option 3 ID : **630680878796**
Option 4 ID : **630680878798**
Status : **Answered**
Chosen Option : **4**

Q.20 Eight people, Sarika, Nisha, Chirag, Deepak, Ayesha, Rekha, Garima and Hina, are seated around a circular table at equal distance but not in the same order, and all are facing the centre of the table such that Sarika is opposite to Nisha, who is to the immediate left of Rekha. Rekha is 3rd to the right of Chirag, who is opposite to Ayesha. Garima is 2nd to the right of Hina, who is opposite to Rekha.

How many people are between Ayesha and Hina when counted from the left of Hina?

Ans ✗ 1. 1

✗ 2. 4

✔ 3. 2

✗ 4. 3

Question ID : **630680226503**
Option 1 ID : **630680878720**
Option 2 ID : **630680878719**
Option 3 ID : **630680878722**
Option 4 ID : **630680878721**
Status : **Not Answered**
Chosen Option : **--**

Q.21 Radhika walks 10 km towards the east and then turns left and walks 20 km. She turns right and walks 15 km and then turns left and walks 5 km and again turns left and walks 30 km. Again she turns left and walks 10 km. In which direction is she now with respect to her starting point?

Ans ✗ 1. South-west

✗ 2. North-east

✗ 3. East

✔ 4. North-west

Question ID : **630680226523**
Option 1 ID : **630680878801**
Option 2 ID : **630680878802**
Option 3 ID : **630680878799**
Option 4 ID : **630680878800**
Status : **Answered**
Chosen Option : **4**

Q.22 Select the option that is related to the third term in the same way as the second term is related to the first term.

(The words must be considered as meaningful English words and must not be related to each other based on the number of letters/consonants/vowels in the word.)

Soprano : Opera :: Mime : ?

Ans ✗ 1. Dance

✗ 2. Cricket

✗ 3. Music

✔ 4. Drama

Question ID : **630680226520**
Option 1 ID : **630680878788**
Option 2 ID : **630680878787**
Option 3 ID : **630680878789**
Option 4 ID : **630680878790**
Status : **Not Answered**
Chosen Option : **--**

Q.23 Select the term from among the given options that can replace the question mark (?) in the following series.

IK17, LP26, ?, RO67

Ans

✗ 1. VS35

✔ 2. OL42

✗ 3. ME49

✗ 4. KW56

Question ID : **630680226514**
Option 1 ID : **630680878763**
Option 2 ID : **630680878766**
Option 3 ID : **630680878764**
Option 4 ID : **630680878765**
Status : **Not Answered**
Chosen Option : --

Q.24 Ten friends, P, Q, R, S, T, U, V, W, X and Y, are seated in a row at equal distance but not necessarily in the same order; all are facing south such that

S is to the immediate right of one who is third to the left of R.

Y is fourth to the right of R.

There are only two people between T and U.

P is not sitting with either R or S.

T is to the immediate left of W, who is at an extreme end.

X is to the immediate right of the one who is third to the left of Q.

Who is sitting between P and R?

Ans

✗ 1. T and Y

✔ 2. U and Q

✗ 3. U and X

✗ 4. S and V

Question ID : **630680226505**
Option 1 ID : **630680878729**
Option 2 ID : **630680878730**
Option 3 ID : **630680878727**
Option 4 ID : **630680878728**
Status : **Not Answered**
Chosen Option : --

Q.25 A group of numbers and symbols is coded using letter codes as per the codes given below and the conditions that follow. Study the given codes and conditions and answer the question that follows.

Codes	P	Y	N	R	U	B	X
Numbers/symbols	2	?	5	#	3	8	0

Conditions:

i)   If first and last elements are consonants, then the last element is to be coded as the code used for the 4th element.

ii)   If the group of elements contains any vowel, then the vowel is to be coded as the code used for the first element.

iii)   If the last element is a vowel, then it is to be coded as 1.

Decode 'BYPRUN'.

Ans   ✗ 1. 5#2#8?

✗ 2. 03?28#

✔ 3. 8?2#8#

✗ 4. ?3#2#?

Question ID : **630680226515**
Option 1 ID : **630680878767**
Option 2 ID : **630680878769**
Option 3 ID : **630680878768**
Option 4 ID : **630680878770**
Status : **Not Answered**
Chosen Option : **--**

Q.26 Select the figure from among the given options that can replace the question mark (?) in the following series (A).

(A)

1   2   3   4
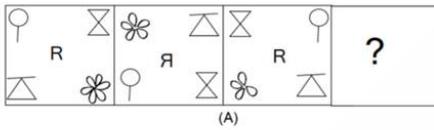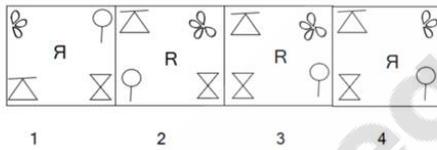
Ans   ✗ 1. 2

✗ 2. 3

✗ 3. 1

✔ 4. 4

Question ID : **630680226525**
Option 1 ID : **630680878807**
Option 2 ID : **630680878810**
Option 3 ID : **630680878808**
Option 4 ID : **630680878809**
Status : **Answered**
Chosen Option : **4**

Q.27 R is 8 ranks ahead of S, who ranks 20th in a class of 50 students. What is R's rank from the last?

Ans
❌ 1. 45
✅ 2. 39
❌ 3. 36
❌ 4. 29

Question ID : **630680226507**
Option 1 ID : **630680878735**
Option 2 ID : **630680878736**
Option 3 ID : **630680878738**
Option 4 ID : **630680878737**
Status : **Answered**
Chosen Option : **4**

Q.28 Select the figure from among the given options that can replace the question mark (?) in the following series (X).
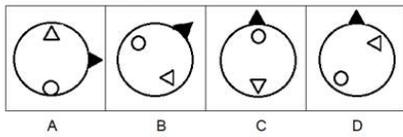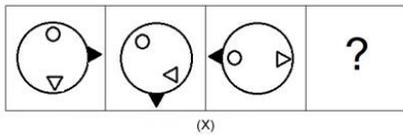
Ans
❌ 1. C
❌ 2. B
❌ 3. A
✅ 4. D

Question ID : **630680226524**
Option 1 ID : **630680878804**
Option 2 ID : **630680878803**
Option 3 ID : **630680878806**
Option 4 ID : **630680878805**
Status : **Answered**
Chosen Option : **4**

Q.29 Choose the correct water image of the given figure from the given four figures.
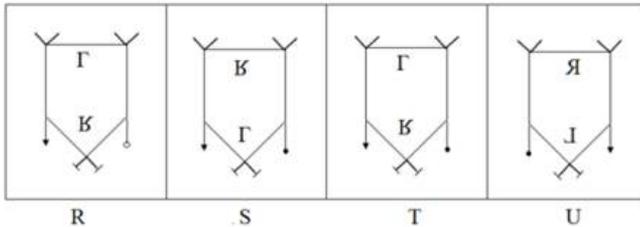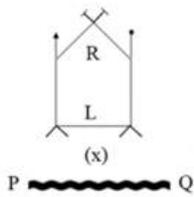
Ans
✔ 1. T
✘ 2. R
✘ 3. S
✘ 4. U

Q.30 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:

A. All towels are fabric.
B. Some fabric is cotton.
C. Some towels are paper.

Conclusions:

I. All cotton is fabric.
II. Some papers are towels.
III. All fabric is towel.

Ans
✘ 1. Only conclusion I follows.

✔ 2. Only conclusion II follows.

✘ 3. Only conclusion III follows.

✘ 4. Only conclusions I and II follow.

Section : **Subject Content & Methodology**

Q.1 The kernel of a linear transformation $T: \mathbb{R}^p \to \mathbb{R}^q$ is a subspace of:

Ans

✗ 1. $\mathbb{R}^{pq}$

✗ 2. $\mathbb{R}^{p+q}$

✗ 3. $\mathbb{R}^q$

✔ 4. $\mathbb{R}^p$

Q.2 If the ratio of the mode and median of a distribution is 6:5, then what is the ratio of its mean and median?

Ans

✗ 1. $8 : 9$

✔ 2. $9 : 10$

✗ 3. $8 : 11$

✗ 4. $9 : 7$

Q.3 If the lines given by $3x + 2ky = 2$ and $2x + 5y + 1 = 0$ are parallel, then the value of k will be:

Ans

✗ 1. $\dfrac{2}{5}$

✔ 2. $\dfrac{15}{4}$

✗ 3. $\dfrac{3}{2}$

✗ 4. $\dfrac{-5}{4}$

Q.4 Consider the real vector space R^3. By which of the following will the subspace $\{(x, y, z) \in R^3 : y = x\}$ of R^3 be generated?

Ans ✗ 1. $\{(1,1,0),(1,0,0)\}$

✔ 2. $\{(1,1,0),(0,0,1)\}$

✗ 3. $\{(1,0,1),(0,0,1)\}$

✗ 4. $\{(1,0,0),(0,1,0)\}$

Question ID : **630680226810**
Option 1 ID : **630680879948**
Option 2 ID : **630680879947**
Option 3 ID : **630680879950**
Option 4 ID : **630680879949**
Status : **Not Answered**
Chosen Option : **--**

Q.5 A clear statement of what successful students will be able to do at the end of a course is known as ___.

Ans ✗ 1. home-work

✗ 2. conclusion

✗ 3. course description

✔ 4. learning outcome

Question ID : **630680226847**
Option 1 ID : **630680880098**
Option 2 ID : **630680880097**
Option 3 ID : **630680880096**
Option 4 ID : **630680880095**
Status : **Answered**
Chosen Option : **4**

Q.6 The frustum of a right circular cone has the diameter of the base 10cm, diameter of the top 6cm and height 5cm. Find the start height of the frustum.

Ans ✗ 1. $\sqrt{13}$ cm

✔ 2. $\sqrt{29}$ cm

✗ 3. $4\sqrt{3}$ cm

✗ 4. $3\sqrt{3}$ cm

Question ID : **630680226793**
Option 1 ID : **630680879881**
Option 2 ID : **630680879879**
Option 3 ID : **630680879882**
Option 4 ID : **630680879880**
Status : **Not Answered**
Chosen Option : **--**

Q.7 Which of the following is NOT one of the principles of creating an assessment?

Ans
✗ 1. The nomenclature of the test should be normal.

✗ 2. The test should be reliable and valid.

✔ 3. The level of the questions should be difficult.

✗ 4. The construction of the test should be comprehensive.

Question ID : **630680226764**
Option 1 ID : **630680879765**
Option 2 ID : **630680879766**
Option 3 ID : **630680879763**
Option 4 ID : **630680879764**
Status : **Answered**
Chosen Option : **3**

Q.8 The standard deviation and arithmetic mean of the distribution are 12 and 45.5, respectively. The coefficient of variation of the distribution is:

Ans
✗ 1. 22.15

✔ 2. 26.37

✗ 3. 32.43

✗ 4. 12.11

Question ID : **630680226762**
Option 1 ID : **630680879758**
Option 2 ID : **630680879755**
Option 3 ID : **630680879757**
Option 4 ID : **630680879756**
Status : **Not Answered**
Chosen Option : **--**

Q.9 If the roots of the quadratic equation $x^2 + px + q = 0$ are $\tan 30°$ and $\tan 15°$, respectively, then the value of $2 + q - p$ is:

Ans
✗ 1. 2

✔ 2. 3

✗ 3. 1

✗ 4. 0

Question ID : **630680226784**
Option 1 ID : **630680879843**
Option 2 ID : **630680879844**
Option 3 ID : **630680879846**
Option 4 ID : **630680879845**
Status : **Not Answered**
Chosen Option : **--**

Q.10 Which of the following options is NOT the responsibility of a teacher in problem solving method?

Ans ✗ 1. To define the problem clearly

✗ 2. To formulate concise statement of the net outcome of discussion

✗ 3. To build an outline on the board

✓ 4. To collect data

Question ID : **630680226841**
Option 1 ID : **630680880073**
Option 2 ID : **630680880072**
Option 3 ID : **630680880074**
Option 4 ID : **630680880071**
Status : **Answered**
Chosen Option : **4**

Q.11 $ABCD$ is a parallelogram as shown in the following figure. $AE \perp DC$ and $CF \perp AD$. If $AB = 16\ cm, AE = 8\ cm$ and $CF = 10\ cm$, then $AD = ?$
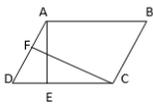
Ans ✗ 1. 16 cm

✓ 2. 12.8 cm

✗ 3. 8 cm

✗ 4. 10 cm

Question ID : **630680226836**
Option 1 ID : **630680880051**
Option 2 ID : **630680880052**
Option 3 ID : **630680880053**
Option 4 ID : **630680880054**
Status : **Answered**
Chosen Option : **2**

Q.12 Select the correct option for the two statements given below.
1) The cost of 100 bags is rupees 30.
We can write: 100 bags = ₹30
2) A box is half opened is half closed.
We can write: Box opened = box closed

Ans ✗ 1. Both statements are logically correct

✗ 2. Statement (1) is correct but statement (2) is incorrect.

✗ 3. Statement (2) is correct but statement (1) is incorrect.

✓ 4. Both statements are logically incorrect

Question ID : **630680226849**
Option 1 ID : **630680880103**
Option 2 ID : **630680880105**
Option 3 ID : **630680880106**
Option 4 ID : **630680880104**
Status : **Answered**
Chosen Option : **2**

Q.13 Consider the linear transformation $T: \mathbb{R}^4 \to \mathbb{R}^4$ defined by $T(x, y, z, w) = (-x, y, -z, 0), (x, y, z, w) \in \mathbb{R}^4$. If nullity and rank of T are n and r, respectively, then which of the following is correct?

Ans
- ✗ 1. $r = 1, n = 3$
- ✗ 2. $r = n = 3$
- ✗ 3. $r = n = 2$
- ✔ 4. $r = 3, n = 1$

Q.14 The maximum sum of the series $20 + 19\frac{1}{3} + 18\frac{2}{3} + 18 + \cdots$ is:

Ans
- ✗ 1. 300
- ✗ 2. 320
- ✗ 3. 290
- ✔ 4. 310

Q.15 If $A = \sqrt[8]{6} - \sqrt[8]{5}$, $B = \sqrt[8]{6} + \sqrt[8]{5}$, $C = \sqrt[8]{6} - \sqrt[8]{5}$, $D = \sqrt[4]{6} + \sqrt[4]{5}$, and $E = \sqrt{6} + \sqrt{5}$, then which of the following is a rational number?

Ans
- ✗ 1. CD
- ✔ 2. ABDE
- ✗ 3. AB
- ✗ 4. ABCDE

Q.16 The value of $\dfrac{(1.5)^3+(4.7)^3+(3.8)^3-3\times1.5\times4.7\times3.8}{(1.5)^2+(4.7)^2+(3.8)^2-(1.5\times4.7)-(4.7\times3.8)-(1.5\times3.8)}$ is:

Ans
✗ 1. 8

✗ 2. 11

✔ 3. 10

✗ 4. 9

Question ID : 630680226825
Option 1 ID : 630680880007
Option 2 ID : 630680880010
Option 3 ID : 630680880009
Option 4 ID : 630680880008
Status : **Answered**
Chosen Option : **3**

Q.17 If a, b and c are distinct positive real numbers, then:

Ans
✗ 1. $a^2 + b^2 + c^2 \geq ab + bc + ca$

✗ 2. $a^2 + b^2 + c^2 < ab + bc + ca$

✔ 3. $a^2 + b^2 + c^2 > ab + bc + ca$

✗ 4. $a^2 + b^2 + c^2 \leq ab + bc + ca$

Question ID : 630680226806
Option 1 ID : 630680879933
Option 2 ID : 630680879932
Option 3 ID : 630680879931
Option 4 ID : 630680879934
Status : **Answered**
Chosen Option : **3**

Q.18 If $\int \dfrac{\sin^4 x}{\cos^8 x} dx = a \tan^7 x + b \tan^5 x + c$, then:

Ans
✗ 1. $7a + 5b = 0$

✗ 2. $5a = 7b$

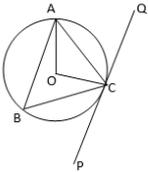✗ 3. $5a + 7b = 0$

✔ 4. $7a = 5b$

Question ID : 630680226782
Option 1 ID : 630680879837
Option 2 ID : 630680879836
Option 3 ID : 630680879838
Option 4 ID : 630680879835
Status : **Answered**
Chosen Option : **1**

Q.19 Which of the following is NOT a principle for setting up a mathematics laboratory?

Ans ✗ 1. Developing scientific attitude

✔ 2. Teacher centred

✗ 3. Developing self-confidence

✗ 4. Learning by doing

Question ID : **630680226843**
Option 1 ID : **630680880082**
Option 2 ID : **630680880081**
Option 3 ID : **630680880080**
Option 4 ID : **630680880079**
Status : **Answered**
Chosen Option : **2**

Q.20 The equation of a straight line passing through the point of intersection of $x - y + 1 = 0$ and $3x + y - 5 = 0$, which are perpendicular to one of them, is:

Ans ✗ 1. $x + y + 3 = 0$

✔ 2. $x - 3y + 5 = 0$

✗ 3. $x - 3y - 5 = 0$

✗ 4. $x - y + 3 = 0$

Question ID : **630680226821**
Option 1 ID : **630680879991**
Option 2 ID : **630680879994**
Option 3 ID : **630680879993**
Option 4 ID : **630680879992**
Status : **Not Answered**
Chosen Option : **--**

Q.21 The minimum value of the sum of real numbers $a^{-5}, a^{-4}, 3a^{-3}, 1, a^8$ and a^{10}, with $a > 0$, is:

Ans ✗ 1. 6

✗ 2. 9

✗ 3. 7

✔ 4. 8

Question ID : **630680226807**
Option 1 ID : **630680879935**
Option 2 ID : **630680879938**
Option 3 ID : **630680879936**
Option 4 ID : **630680879937**
Status : **Answered**
Chosen Option : **3**

Q.22 Let α and β be the roots of the equation $px^2 + qx + r = 0, p \neq 0$. If (p, q, r) are in AP and $\frac{1}{\alpha} + \frac{1}{\beta} = 4$, then the value of $|\alpha - \beta|$ is:

Ans

✗ 1. $\dfrac{2\sqrt{17}}{9}$

✓ 2. $\dfrac{2\sqrt{13}}{9}$

✗ 3. $\dfrac{\sqrt{34}}{9}$

✗ 4. $\dfrac{\sqrt{61}}{9}$

Question ID : **630680226786**
Option 1 ID : **630680879852**
Option 2 ID : **630680879854**
Option 3 ID : **630680879853**
Option 4 ID : **630680879851**
Status : **Not Answered**
Chosen Option : **--**

Q.23 If a and b are positive real numbers such that $ab = 1$, then the least value of the expression $(1 + a)(1 + b)$ will be:

Ans

✗ 1. 6

✗ 2. 2

✓ 3. 4

✗ 4. 3

Question ID : **630680226805**
Option 1 ID : **630680879930**
Option 2 ID : **630680879927**
Option 3 ID : **630680879929**
Option 4 ID : **630680879928**
Status : **Answered**
Chosen Option : **4**

Q.24 In teaching mathematics, ICT covers _____.

Ans

✓ 1. calculator, spreadsheet, and advanced geometrical software

✗ 2. calculator

✗ 3. spreadsheet

✗ 4. advanced geometrical software

Question ID : **630680226766**
Option 1 ID : **630680879774**
Option 2 ID : **630680879771**
Option 3 ID : **630680879772**
Option 4 ID : **630680879773**
Status : **Answered**
Chosen Option : **1**

Q.25 If the roots of the quadratic equation $x^2 - 4x - \log_3 a = 0$ are real, then the least value of a is:

Ans

✗ 1. $\dfrac{1}{64}$

✓ 2. $\dfrac{1}{81}$

✗ 3. 81

✗ 4. 64

Question ID : **630680226787**
Option 1 ID : **630680879857**
Option 2 ID : **630680879856**
Option 3 ID : **630680879855**
Option 4 ID : **630680879858**
Status : **Not Answered**
Chosen Option : **--**

Q.26 In the given figure, O is the centre of the circle.If $\angle OAC = 30°$, the acute angle between AC and the tangent PQ at C is:

Ans

✗ 1. $90°$

✗ 2. $45°$

✗ 3. $30°$

✓ 4. $60°$

Question ID : **630680226834**
Option 1 ID : **630680880046**
Option 2 ID : **630680880044**
Option 3 ID : **630680880043**
Option 4 ID : **630680880045**
Status : **Answered**
Chosen Option : **4**

Q.27 Upon dividing $x^3 - 3x^2 + x + 2$ by a polynomial $g(x)$, the quotient and the remainder obtainedare $(x - 2)$ and $(-2x + 4)$, respectively. Find $g(x)$.

Ans

✗ 1. $x^2 - x - 1$

✗ 2. $x^2 + x - 2$

✓ 3. $x^2 - x + 1$

✗ 4. $x^2 - x + 2$

Question ID : **630680226804**
Option 1 ID : **630680879924**
Option 2 ID : **630680879926**
Option 3 ID : **630680879923**
Option 4 ID : **630680879925**
Status : **Answered**
Chosen Option : **3**

Q.28 The fraction of the recurring decimal $0.\overline{32} + 0.2\overline{6} - 0.\overline{53}$ is :

Ans

✔ 1. $\dfrac{27}{495}$

✘ 2. $\dfrac{53}{495}$

✘ 3. $\dfrac{27}{990}$

✘ 4. $\dfrac{54}{495}$

Question ID : **630680226754**
Option 1 ID : **630680879726**
Option 2 ID : **630680879724**
Option 3 ID : **630680879723**
Option 4 ID : **630680879725**
Status : **Answered**
Chosen Option : **4**

Q.29 If the system of equations $x - 2y - 3z = 1, (p+2)z = 3$ and $(2p+1)y + z = 2$ is inconsistent, then what will be the value of p?

Ans

✘ 1. 0

✔ 2. $-\dfrac{1}{2}$

✘ 3. 2

✘ 4. -2

Question ID : **630680226811**
Option 1 ID : **630680879953**
Option 2 ID : **630680879952**
Option 3 ID : **630680879954**
Option 4 ID : **630680879951**
Status : **Not Answered**
Chosen Option : **--**

Q.30 Which of the following is a road map or a guideline prepared by a teacher to present a particular lesson?

Ans

✘ 1. Weekly lesson plan

✘ 2. Yearly lesson plan

✔ 3. Daily lesson plan

✘ 4. Unit plan

Question ID : **630680226846**
Option 1 ID : **630680880092**
Option 2 ID : **630680880093**
Option 3 ID : **630680880091**
Option 4 ID : **630680880094**
Status : **Answered**
Chosen Option : **3**

Q.31 If n > 1 is a positive integer, then

Ans

✅ 1. $n(n+1)^2 > 4(n!)^{\frac{3}{n}}$

❌ 2. $n(n+1)^2 > 4(n!)^{\frac{4}{n}}$

❌ 3. $n(n+1)^2 < 4(n!)^{\frac{3}{n}}$

❌ 4. $n(n+1)^2 < 4(n!)^{\frac{2}{n}}$

Q.32 If a variable takes discrete values as $x + 4, x - \frac{7}{2}, x - \frac{5}{2}, x - 3, x - 2, x + \frac{1}{2}, x - \frac{1}{2}, x + 5, (x > 0)$, then the median is:

Ans

❌ 1. $x - \dfrac{1}{2}$

✅ 2. $x - \dfrac{5}{4}$

❌ 3. $x + \dfrac{5}{4}$

❌ 4. $x - 2$

Q.33 The pair of the linear equations $kx + 2y = 5$ and $3x + y = 1$ has a unique solution if:

Ans

❌ 1. $k = 0$

✅ 2. $k \neq 6$

❌ 3. k has any value

❌ 4. $k = 6$

Q.34 Which of the following is Euclid's Postulate 4?

A) A circle can be drawn with any centre and any radius.

B) All right angles are equal to one another.

C) A straight line may be drawn from any one point to any other point.

D) A terminated line (that is, a line segment) can be produced indefinitely on either side.

Ans

✗ 1. D

✔ 2. B

✗ 3. A

✗ 4. C

Q.35 Let T_r be the rth term of an AP, where the first term is a and the common difference is d. If, for some positive integers, $m \neq n, T_m = \frac{1}{n}$ and $T_n = \frac{1}{m}$, then $a - d$ is equal to:

Ans

✗ 1. $\dfrac{1}{m} + \dfrac{1}{n}$

✗ 2. $\dfrac{1}{mn}$

✔ 3. 0

✗ 4. 1

Q.36 If the 4th term in the expansion of $(ax + \frac{1}{x})^n$ is $\frac{5}{2}$, for all $x \in R$, then the values of a and n are:

Ans

✗ 1. cannot be found

✗ 2. are $\frac{1}{2}$ and 3, respectively

✗ 3. are 1 and 3, respectively

✔ 4. are $\frac{1}{2}$ and 6, respectively

Q.37 The solution to the recurrence equation $T(2^k) = 3T(2^{k-1}) + 1, T(1) = 1$, is _____.

Ans

✗ 1. $2^{\log_3 k}$

✓ 2. $\dfrac{3^{k+1} - 1}{2}$

✗ 3. $3^{\log_2 k}$

✗ 4. 2^k

Q.38 A number in the form of 8^n, where n belongs to natural numbers, can never end with the digit:

Ans

✗ 1. 2

✗ 2. 4

✗ 3. 6

✓ 4. 0

Q.39 Find the zeros of the quadratic polynomial $\sqrt{3}x^2 - 8x + 4\sqrt{3}$.

Ans

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

✓ 2. $2\sqrt{3}, \dfrac{2}{\sqrt{3}}$

✗ 3. $-2\sqrt{3}, \dfrac{-2}{\sqrt{3}}$

✗ 4. $-2\sqrt{3}, \dfrac{2}{\sqrt{3}}$

Q.40 If the number 11^6 is divided by 7, the remainder will be:

Ans   ✗ 1.   4

      ✔ 2.   1

      ✗ 3.   3

      ✗ 4.   2

Question ID : **630680226831**
Option 1 ID : **630680880031**
Option 2 ID : **630680880034**
Option 3 ID : **630680880032**
Option 4 ID : **630680880033**
Status : **Answered**
Chosen Option : **2**

Q.41 The number $(4312)_5$ when expressed in base 10 is:

Ans   ✗ 1.   612

      ✗ 2.   562

      ✔ 3.   582

      ✗ 4.   592

Question ID : **630680226830**
Option 1 ID : **630680880030**
Option 2 ID : **630680880027**
Option 3 ID : **630680880028**
Option 4 ID : **630680880029**
Status : **Not Answered**
Chosen Option : **--**

Q.42 A sector of a circle of radius 15cm has the angle $120°$. It is rolled up so that two bounding radii are joined together to form a cone. Find the height of the cone.

Ans   ✔ 1. $10\sqrt{2}$ cm

      ✗ 2. $7\sqrt{2}$ cm

      ✗ 3. $5\sqrt{3}$ cm

      ✗ 4. $10\sqrt{3}$ cm

Question ID : **630680226778**
Option 1 ID : **630680879819**
Option 2 ID : **630680879822**
Option 3 ID : **630680879821**
Option 4 ID : **630680879820**
Status : **Not Answered**
Chosen Option : **--**

Q.43 The range of the function $f(x) = \log_e \sqrt{4 - x^2}$? is:

Ans

✗ 1. $(0, \infty)$

✗ 2. $(\ln 2, \infty)$

✗ 3. $(-\infty, \infty)$

✔ 4. $(-\infty, \ln 2)$

Question ID : 630680226780
Option 1 ID : 630680879827
Option 2 ID : 630680879830
Option 3 ID : 630680879828
Option 4 ID : 630680879829
Status : **Not Answered**
Chosen Option : --

Q.44 Which of the following statements is NOT related to the reason for giving a special place to mathematics in the curriculum?

Ans

✔ 1. Mathematics is not for ordinary people

✗ 2. Mathematics is an exact science

✗ 3. Mathematics generates logical attitude in children

✗ 4. The language of mathematics is universal

Question ID : 630680226768
Option 1 ID : 630680879781
Option 2 ID : 630680879779
Option 3 ID : 630680879780
Option 4 ID : 630680879782
Status : **Answered**
Chosen Option : **1**

Q.45 If the sum of n terms of an AP is $3n^2 + 5n$, then which of its terms is 164?

Ans

✗ 1. 26th

✗ 2. 28th

✔ 3. 27th

✗ 4. 29th

Question ID : 630680226791
Option 1 ID : 630680879871
Option 2 ID : 630680879873
Option 3 ID : 630680879872
Option 4 ID : 630680879874
Status : **Answered**
Chosen Option : **3**

Q.46 If X is a Poisson random variable with mean 3, then $P(|X - 3| < 1)$ will be:

Ans

✗ 1. $\dfrac{e^{-3}}{2}$

✗ 2. $\dfrac{99e^{-3}}{8}$

✔ 3. $\dfrac{9e^{-3}}{2}$

✗ 4. $3e^{-3}$

Q.47 If x and y are positive real numbers such that $x^2 y^3 = 32$, then the least value of $2x + 3y$ is:

Ans

✗ 1. 5

✗ 2. 15

✔ 3. 10

✗ 4. 20

Q.48 Which of the following is good for assessing the level of thinking among students?

Ans

✗ 1. Why does the sky appear blue?

✗ 2. How many types of blood groups are known in humans?

✔ 3. Write a story by looking at a picture

✗ 4. What are conventional and non-conventional energy?

Q.49 If one of the zeros of the quadratic polynomial $(k-1)x^2 + kx + 1$ is -3, then the value of k is:

Ans
✔ 1. $\dfrac{4}{3}$

✘ 2. $\dfrac{2}{3}$

✘ 3. $\dfrac{-2}{3}$

✘ 4. $\dfrac{-4}{3}$

Q.50 Select the correct value of $\frac{1}{\sqrt{9}+\sqrt{10}} + \frac{1}{\sqrt{10}-\frac{1}{\sqrt{11}}} + \frac{1}{\sqrt{11}+\sqrt{12}} + \cdots$ upto 91 terms from the following options.

Ans
✔ 1. 7

✘ 2. 9

✘ 3. 6

✘ 4. 8

Q.51 A wire is in the shape of a circle of radius 21cm. It is bent to form a square. What will be the side of the square?

[Take $\pi = \frac{22}{7}$.] ?

Ans
✔ 1. 33cm

✘ 2. 66cm

✘ 3. 44cm

✘ 4. 22cm

Q.52 What should be subtracted from the polynomial $2x^2 - 15x + 55$ so that $x - 25$ is the factor of the resulting polynomial?

Ans
- ✗ 1. 900
- ✔ 2. 930
- ✗ 3. 950
- ✗ 4. 970

Question ID : **630680226759**
Option 1 ID : **630680879744**
Option 2 ID : **630680879745**
Option 3 ID : **630680879743**
Option 4 ID : **630680879746**
Status : **Answered**
Chosen Option : **2**

Q.53 Find the coordinates of the points of trisection of the straight line joining the points $A(1, -2)$ and $B(-3, 4)$.

Ans
- ✔ 1. $\left(\dfrac{-5}{3}, 2\right)$ and $\left(\dfrac{-1}{3}, 0\right)$
- ✗ 2. $\left(\dfrac{5}{3}, 2\right)$ and $\left(\dfrac{1}{3}, 0\right)$
- ✗ 3. $\left(\dfrac{-5}{3}, 2\right)$ and $\left(\dfrac{1}{3}, 0\right)$
- ✗ 4. $\left(\dfrac{5}{3}, -2\right)$ and $\left(\dfrac{1}{3}, 0\right)$

Question ID : **630680226775**
Option 1 ID : **630680879808**
Option 2 ID : **630680879807**
Option 3 ID : **630680879809**
Option 4 ID : **630680879810**
Status : **Answered**
Chosen Option : **1**

Q.54 Which of the following is the most suitable for teaching children the concept of fractions?

Ans
- ✗ 1. Number charts
- ✗ 2. Abacus
- ✗ 3. Geoboards
- ✔ 4. Cuisenaire rods

Question ID : **630680226767**
Option 1 ID : **630680879776**
Option 2 ID : **630680879778**
Option 3 ID : **630680879775**
Option 4 ID : **630680879777**
Status : **Answered**
Chosen Option : **4**

Q.55 If $3^{x+y} = 81$ and $81^{(x-y)} = 3$, then what is the value of x ?

Ans

✔ 1. $\dfrac{17}{8}$

✘ 2. $\dfrac{17}{4}$

✘ 3. $\dfrac{17}{16}$

✘ 4. $\dfrac{15}{4}$

Question ID : **630680226817**
Option 1 ID : **630680879976**
Option 2 ID : **630680879977**
Option 3 ID : **630680879975**
Option 4 ID : **630680879978**
Status : **Answered**
Chosen Option : **1**

Q.56 A ball is drawn at random from a box containing 6 red balls, 4 white balls and 5 black balls. The probability that it is not red is:

Ans

✘ 1. $\dfrac{3}{7}$

✘ 2. $\dfrac{4}{5}$

✔ 3. $\dfrac{3}{5}$

✘ 4. $\dfrac{2}{5}$

Question ID : **630680226763**
Option 1 ID : **630680879762**
Option 2 ID : **630680879761**
Option 3 ID : **630680879760**
Option 4 ID : **630680879759**
Status : **Answered**
Chosen Option : **3**

Q.57 If $y = x^{2x}$, then $\dfrac{dy}{dx} = $?

Ans

✔ 1. $2x^{2x}(\ln x + 1)$

✘ 2. $x^{2x}(\ln x + 2)$

✘ 3. $2x^{2x}$

✘ 4. $2x^{2x} \ln x$

Question ID : **630680226781**
Option 1 ID : **630680879831**
Option 2 ID : **630680879832**
Option 3 ID : **630680879834**
Option 4 ID : **630680879833**
Status : **Answered**
Chosen Option : **1**

Q.58 If $x + y = 7$ and $3x + y = 13$, then what is the value of $4x^2 + y^2 + 4xy$?

Ans ✗ 1. 75

✓ 2. 100

✗ 3. 85

✗ 4. 91

Question ID : **630680226819**
Option 1 ID : **630680879983**
Option 2 ID : **630680879986**
Option 3 ID : **630680879984**
Option 4 ID : **630680879985**
Status : **Answered**
Chosen Option : **2**

Q.59 Which of the following does NOT describe the need of teaching learning material (TLM) at primary level?

Ans ✗ 1. To upgrade creativity

✓ 2. To make the class teacher-centred

✗ 3. To make new ideas simpler

✗ 4. To promote self-learning

Question ID : **630680226852**
Option 1 ID : **630680880116**
Option 2 ID : **630680880118**
Option 3 ID : **630680880115**
Option 4 ID : **630680880117**
Status : **Answered**
Chosen Option : **2**

Q.60 In a class of 40 students, a teacher runs fast to cover the syllabus only. He has to maintain records of all the activities held during concession. Which of the following factors of continuous evaluation is NOT mentioned here?

Ans ✗ 1. Teachers integrity

✓ 2. Unqualified personal

✗ 3. Large class size

✗ 4. Continuous record keeping

Question ID : **630680226851**
Option 1 ID : **630680880113**
Option 2 ID : **630680880114**
Option 3 ID : **630680880111**
Option 4 ID : **630680880112**
Status : **Answered**
Chosen Option : **2**

Q.61 If the foot of the perpendicular from the origin to a straight line is at the point $(3, -4)$, then the equation of the line is:

Ans ✔ 1. $3x - 4y = 25$

✘ 2. $3x - 4y + 25 = 0$

✘ 3. $4x + 3y - 25 = 0$

✘ 4. $4x - 3y + 25 = 0$

Question ID : **630680226823**
Option 1 ID : **630680879999**
Option 2 ID : **630680880000**
Option 3 ID : **630680880001**
Option 4 ID : **630680880002**
Status : **Answered**
Chosen Option : **1**

Q.62 **Which of the following steps is provided the maximum time in the micro-teaching cycle?**

Ans ✘ 1. Re-feedback

✘ 2. Re-teach

✘ 3. Feedback

✔ 4. Re-plan

Question ID : **630680226848**
Option 1 ID : **630680880102**
Option 2 ID : **630680880100**
Option 3 ID : **630680880101**
Option 4 ID : **630680880099**
Status : **Answered**
Chosen Option : **1**

Q.63 If $f(2a - x) = f(x)$ and $\int_0^a f(x)dx = \lambda$, then $\int_0^{2a} f(x)dx = ?$

Ans ✘ 1. λ

✔ 2. 2λ

✘ 3. 0

✘ 4. 3λ

Question ID : **630680226838**
Option 1 ID : **630680880060**
Option 2 ID : **630680880059**
Option 3 ID : **630680880061**
Option 4 ID : **630680880062**
Status : **Answered**
Chosen Option : **2**

Q.64 Select the correct definition of problem solving according to the National Council of Teachers of Mathematics (NCTM, 2000) from among the following.

Ans ✗ 1. Problem solving is an integral part of all mathematical learning, and so it should be an isolated part of the mathematical programme.

✗ 2. Problem solving is cognitive processing directed at achieving a goal when no solution method is obvious to the problem solver.

✔ 3. Problem solving is engaging in a task for which the solution method is not known in advance.

✗ 4. Problem solving is the activity called into play when there is a demand to apply knowledge, skill, and experience to unfamiliar situations.

Question ID : **630680226840**
Option 1 ID : **630680880069**
Option 2 ID : **630680880067**
Option 3 ID : **630680880068**
Option 4 ID : **630680880070**
Status : **Answered**
Chosen Option : **4**

Q.65 Three concurrent straight lines are drawn from the angular points A, B and C of the triangle ABC to meet the opposite sides at D, E and F, respectively, as shown in the figure below. It is given that $AF : FB = 2 : 3$ and $BD : DC = 3 : 5$. Find $AE : EC.$?
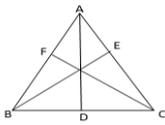
Ans ✗ 1. $3 : 4$

✔ 2. $2 : 5$

✗ 3. $5 : 2$

✗ 4. $4 : 5$

Question ID : **630680226835**
Option 1 ID : **630680880047**
Option 2 ID : **630680880050**
Option 3 ID : **630680880049**
Option 4 ID : **630680880048**
Status : **Not Answered**
Chosen Option : **--**

Q.66 The solution of the system of congruence $x = 3(mod\ 5), x = 5(mod\ 7)$ is:

Ans ✗ 1. $x = 27(mod\ 35)$

✔ 2. $x = 33(mod\ 35)$

✗ 3. $x = 23(mod\ 35)$

✗ 4. $x = 29(mod\ 35)$

Question ID : **630680226832**
Option 1 ID : **630680880038**
Option 2 ID : **630680880037**
Option 3 ID : **630680880035**
Option 4 ID : **630680880036**
Status : **Answered**
Chosen Option : **2**

Q.67 The value of x satisfying $85x \equiv 45 \pmod{15}$ is:

Ans
   ✔ 1. 15
   ✗ 2. 10
   ✗ 3. 35
   ✗ 4. 25

Question ID : **630680226755**
Option 1 ID : **630680879728**
Option 2 ID : **630680879727**
Option 3 ID : **630680879730**
Option 4 ID : **630680879729**
Status : **Not Answered**
Chosen Option : **--**

Q.68 The points $(-4,0), (4,0)$ and $(0,3)$ are the vertices of a/an:

Ans
   ✔ 1. isosceles triangle
   ✗ 2. scalene triangle
   ✗ 3. right-angled triangle
   ✗ 4. equilateral triangle

Question ID : **630680226774**
Option 1 ID : **630680879804**
Option 2 ID : **630680879806**
Option 3 ID : **630680879803**
Option 4 ID : **630680879805**
Status : **Answered**
Chosen Option : **1**

Q.69 If PM is the perpendicular from $p(2,3)$ on the line $x + y = 3$, then the coordinates of M are:

Ans
   ✗ 1. $(-1, 4)$
   ✔ 2. $(1, 2)$
   ✗ 3. $(2, 1)$
   ✗ 4. $(4, -1)$

Question ID : **630680226824**
Option 1 ID : **630680880004**
Option 2 ID : **630680880005**
Option 3 ID : **630680880003**
Option 4 ID : **630680880006**
Status : **Answered**
Chosen Option : **3**

Q.70 A class is a mix of slow learners and intelligent students. Taking into consideration the learning capabilities of different students, the teacher should adjust his teaching pace to ensure that every student benefits from the teaching. Which of the following teaching skills should a teacher possess to become an effective tutor in such a situation?

Ans ✗ 1. Student involvement

✗ 2. Classroom management

✗ 3. Reinforcement

✔ 4. Observation

Question ID : **630680226845**
Option 1 ID : **630680880090**
Option 2 ID : **630680880088**
Option 3 ID : **630680880089**
Option 4 ID : **630680880087**
Status : **Answered**
Chosen Option : **1**

Q.71 The point which divides the line segment joining the points $(7,-6)$ and $(3,4)$ in the ratio $1:2$ internally lies in the:

Ans ✗ 1. II quadrant

✗ 2. I quadrant

✔ 3. IV quadrant

✗ 4. III quadrant

Question ID : **630680226776**
Option 1 ID : **630680879812**
Option 2 ID : **630680879811**
Option 3 ID : **630680879814**
Option 4 ID : **630680879813**
Status : **Answered**
Chosen Option : **3**

Q.72 If the mean of the first n odd natural numbers is $\frac{n^2}{81}$, then what is the value of n?

Ans ✗ 1. 27

✗ 2. 9

✔ 3. 81

✗ 4. 40

Question ID : **630680226798**
Option 1 ID : **630680879901**
Option 2 ID : **630680879899**
Option 3 ID : **630680879900**
Option 4 ID : **630680879902**
Status : **Answered**
Chosen Option : **3**

Q.73 The quadratic equations $x^2 - 6x + a = 0$ and $x^2 - cx + 6 = 0$ have one root in common. The other roots of the first and second equations are integers in the ratio 4 : 3. What is the common root?

Ans

✗ 1. 1

✗ 2. 3

✗ 3. 4

✔ 4. 2

Q.74 The range of ab if $|a| \leq 1$ and $a + b = 1, (a, b \in R)$, is:

Ans

✗ 1. $[0, 2]$

✗ 2. $\left[\dfrac{1}{4}, 2\right]$

✔ 3. $\left[-2, \dfrac{1}{4}\right]$

✗ 4. $\left[0, \dfrac{1}{4}\right]$

Q.75 Let A be a $3x3$ matrix, whose characteristic roots are $3, 2$ and -1. If $B = A^2 - A$, then $|B|$ is:

Ans

✔ 1. 24

✗ 2. −12

✗ 3. 12

✗ 4. −2

Q.76 If the polynomial $6x^3 + 13x^2 + x - 2$ is divided by $2x + 1$, then what will be the quotient and the remainder?

Ans

✗ 1. $Q = 3x^2 - 5x + 2, R = 0$

✔ 2. $Q = 3x^2 + 5x - 2, R = 0$

✗ 3. $Q = 3x^2 + 5x - 2, R = 1$

✗ 4. $Q = 3x^2 - 5x - 2, R = 0$

Question ID : **630680226801**
Option 1 ID : **630680879913**
Option 2 ID : **630680879911**
Option 3 ID : **630680879914**
Option 4 ID : **630680879912**
Status : **Answered**
Chosen Option : **2**

Q.77 The value of a for which the sum of the squares of the roots of the equation $x^2 - (a - 2)x - a - 1 = 0$ assumes the least value is:

Ans

✔ 1. 1

✗ 2. 3

✗ 3. 2

✗ 4. 0

Question ID : **630680226788**
Option 1 ID : **630680879860**
Option 2 ID : **630680879862**
Option 3 ID : **630680879861**
Option 4 ID : **630680879859**
Status : **Answered**
Chosen Option : **1**

Q.78 The value of p for which the polynomial $x^3 + 4x^2 - px + 8$ is exactly divisible by $(x - 2)$ is:

Ans

✗ 1. 0

✗ 2. 12

✔ 3. 16

✗ 4. 3

Question ID : **630680226800**
Option 1 ID : **630680879907**
Option 2 ID : **630680879910**
Option 3 ID : **630680879909**
Option 4 ID : **630680879908**
Status : **Answered**
Chosen Option : **3**

Q.79 Let X be a normal random variable with mean zero and variance 9. If $a = P(X \geq 3)$, then $P(|X| \leq 3)$ is equal to:

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

Question ID : **630680226770**
Option 1 ID : **630680879787**
Option 2 ID : **630680879788**
Option 3 ID : **630680879789**
Option 4 ID : **630680879790**
Status : **Not Answered**
Chosen Option : **--**

Q.80 The first and last terms of an AP are 1 and 11. If the sum of its terms is 36, then the number of terms will be:

Ans
- ✓ 1. 6
- ✗ 2. 5
- ✗ 3. 8
- ✗ 4. 7

Question ID : **630680226792**
Option 1 ID : **630680879876**
Option 2 ID : **630680879875**
Option 3 ID : **630680879878**
Option 4 ID : **630680879877**
Status : **Answered**
Chosen Option : **1**

Q.81 Consider that α and β are zeros of $x^2 - 6x + k$. What is the value of k if $3\alpha + 2\beta = 20$?

Ans
- ✗ 1. -8
- ✗ 2. -2
- ✗ 3. 8
- ✓ 4. -16

Question ID : **630680226799**
Option 1 ID : **630680879906**
Option 2 ID : **630680879905**
Option 3 ID : **630680879904**
Option 4 ID : **630680879903**
Status : **Answered**
Chosen Option : **4**

Q.82 Arrange the following stages of problem-solving approach in a logical order.
(i) Present and discuss
(ii) Grasp the problem
(iii) Summarise and reflect
(iv) Try to solve

Ans ✗ 1. (i) (iii) (ii) (iv)

✗ 2. (ii), (i), (iv), (iii)

✗ 3. (ii), (iv), (i), (iv)

✓ 4. (ii), (iv), (i), (iii)

Q.83 Let $s = \{(-1,0,1),(2,1,4)\}$. The value of k for which the vectors $(3k+2, 3, 10)$ belong to the linear span of s will be:

Ans ✗ 1. 8

✗ 2. 3

✗ 3. -2

✓ 4. 2

Q.84 If the difference between the corresponding roots of $x^2 + ax + b = 0$ and $x^2 + bx + a = 0$ is the same and $a \neq b$, then:

Ans ✗ 1. $a - b - 4 = 0$

✗ 2. $a + b - 4 = 0$

✓ 3. $a + b + 4 = 0$

✗ 4. $a - b + 4 = 0$

Q.85 The value of k for which $kx + 3y - k + 3 = 0$ and $12x + ky = k$ have an infinite solution is:

Ans
✗ 1. 1

✗ 2. -6

✗ 3. 0

✔ 4. 6

Question ID : **630680226818**
Option 1 ID : **630680879982**
Option 2 ID : **630680879980**
Option 3 ID : **630680879979**
Option 4 ID : **630680879981**
Status : **Answered**
Chosen Option : **4**

Q.86 Three cubes of sides $1\,cm, 6\,cm$ and $8\,cm$ are melted to form a new cube. Find half of the surface area of the new cube.

Ans
✗ 1. $463\ \mathrm{cm}^2$

✗ 2. $486\ \mathrm{cm}^2$

✗ 3. $293\ \mathrm{cm}^2$

✔ 4. $243\ \mathrm{cm}^2$

Question ID : **630680226779**
Option 1 ID : **630680879824**
Option 2 ID : **630680879825**
Option 3 ID : **630680879826**
Option 4 ID : **630680879823**
Status : **Answered**
Chosen Option : **4**

Q.87 Given below are two statements. One is labelled as Assertion (A) and the other is labelled as Reason (R).
Assertion (A): ICT integration in mathematical education has a positive impact on both the teaching and learning process.
Reason (R): Schools send their mathematics teachers to attend seminar and workshop in order to update their knowledge.
In light of the above statements, select the correct answer from the options given below.

Ans
✗ 1. (A) is true but (R) is false.

✔ 2. Both (A) and (R) are true but (R) is not the correct explanation of (A).

✗ 3. (A) is false, but (R) is true.

✗ 4. Both (A) and (R) are true and (R) is the correct explanation of (A).

Question ID : **630680226844**
Option 1 ID : **630680880085**
Option 2 ID : **630680880084**
Option 3 ID : **630680880086**
Option 4 ID : **630680880083**
Status : **Answered**
Chosen Option : **2**

Q.88 What is the second last digit of 91^{20043} ?

Ans
✔ 1. 7
✘ 2. 6
✘ 3. 8
✘ 4. 5

Q.89 Given that $\tan A$ and $\tan B$ are the roots of the equation $ax^2 - ax + b = 0$. The value of $sin^2(A+B)$ is:

Ans

✔ 1. $\dfrac{a^2}{a^2 + (1-b)^2}$

✘ 2. $\dfrac{a^2}{(a+b)^2}$

✘ 3. $\dfrac{a^2}{b^2 + (1-a)^2}$

✘ 4. $\dfrac{a^2}{a^2 + b^2}$

Q.90 If the eigenvalues of a $3 x 3$ real matrix of A are $1, 2$ and -3, then:

Ans

✘ 1. $A^{-1} = -\dfrac{1}{6}(7I - A^2)$

✘ 2. $A^{-1} = -\dfrac{1}{6}A^2$

✘ 3. $A^{-1} = -\dfrac{1}{6}(7I + A^2)$

✔ 4. $A^{-1} = \dfrac{1}{6}(7I - A^2)$

Q.91 The value of k such that $3x^2 - 11xy + 10y^2 - 7x + 13y + k = 0$ may represent a pair of straight lines is:

Ans ✗ 1. 8

✔ 2. 4

✗ 3. 6

✗ 4. 3

Question ID : **630680226820**
Option 1 ID : **630680879990**
Option 2 ID : **630680879988**
Option 3 ID : **630680879989**
Option 4 ID : **630680879987**
Status : **Not Answered**
Chosen Option : **--**

Q.92 Select the correct option that a teacher should follow to assess the mathematical reasoning ability of the students.

Ans ✗ 1. Beginning, Analysing, Justifying

✔ 2. Analysing, Generalising, Justifying.

✗ 3. Synthesising, Developing, Justifying

✗ 4. Developing, Extending, Justifying

Question ID : **630680226850**
Option 1 ID : **630680880108**
Option 2 ID : **630680880107**
Option 3 ID : **630680880109**
Option 4 ID : **630680880110**
Status : **Answered**
Chosen Option : **4**

Q.93 Vatsala plays an aeroplane in a fancy dress competition but becomes upset when she cannot actually fly with her wings. Which of the following stages given by Jean Piaget applies to this child's level of development?

Ans ✗ 1. Sensory motor

✔ 2. Pre-operational

✗ 3. Formal operational

✗ 4. Concrete operational

Question ID : **630680226842**
Option 1 ID : **630680880075**
Option 2 ID : **630680880076**
Option 3 ID : **630680880078**
Option 4 ID : **630680880077**
Status : **Answered**
Chosen Option : **3**

Q.94 If the distance between two points (4, p) and (1, 0) is 5, then the value of p is:

Ans

✔ 1. ± 4

✘ 2. 0

✘ 3. 4

✘ 4. -4

Question ID : **630680226773**
Option 1 ID : **630680879800**
Option 2 ID : **630680879802**
Option 3 ID : **630680879799**
Option 4 ID : **630680879801**
Status : **Answered**
Chosen Option : **1**

Q.95 The set of points where the function f given by $f(x) = |2x + 7|\sin x$ is differentiable is:

Ans

✘ 1. $\left(-\dfrac{9}{2}, \infty\right)$

✘ 2. $\mathbb{R}$

✘ 3. $\mathbb{R} - \left\{\dfrac{7}{2}\right\}$

✔ 4. $\mathbb{R} - \left\{-\dfrac{7}{2}\right\}$

Question ID : **630680226761**
Option 1 ID : **630680879753**
Option 2 ID : **630680879751**
Option 3 ID : **630680879754**
Option 4 ID : **630680879752**
Status : **Answered**
Chosen Option : **2**

Q.96 The difference between $5.\overline{76}$ and $2.\overline{3}$ is:

Ans

✔ 1. $3.\overline{43}$

✘ 2. $2.\overline{54}$

✘ 3. $3.\overline{46}$

✘ 4. $3.\overline{73}$

Question ID : **630680226826**
Option 1 ID : **630680880014**
Option 2 ID : **630680880011**
Option 3 ID : **630680880013**
Option 4 ID : **630680880012**
Status : **Answered**
Chosen Option : **1**

Q.97 The volume of a cube is numerically equal to some of its edges. What is the total surface area of the cube(in square units)?

Ans
- ✗ 1. 36
- ✗ 2. 144
- ✗ 3. 12
- ✔ 4. 72

Question ID : 630680226837
Option 1 ID : 630680880056
Option 2 ID : 630680880058
Option 3 ID : 630680880055
Option 4 ID : 630680880057
Status : **Answered**
Chosen Option : **4**

Q.98 The y intercept of the line passing through $(2, 2)$ and perpendicular to the line $3x + y = 3$ is:

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

Question ID : 630680226822
Option 1 ID : 630680879996
Option 2 ID : 630680879998
Option 3 ID : 630680879995
Option 4 ID : 630680879997
Status : **Not Answered**
Chosen Option : --

Q.99 If $A + B = \dfrac{\pi}{4}$, then $(\tan A + 1)(\tan B + 1)$ is equal to:

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

Question ID : 630680226772
Option 1 ID : 630680879798
Option 2 ID : 630680879796
Option 3 ID : 630680879797
Option 4 ID : 630680879795
Status : **Not Answered**
Chosen Option : --

Q.100 Let $R = (5\sqrt{5} + 11)^{2n+1}$ and f be the fractional part of R, then Rf is equal to:

Ans   ✔ 1. 4^{2n+1}

      ✘ 2. 2^{2n+1}

      ✘ 3. 3^{2n+1}

      ✘ 4. 5^{2n+1}