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# **OAVS TGT**

**Previous Year Paper  
(Science)  
25 Jan, 2021 Shift 2**





## ODISHA ADARSHA VIDYALAYA SANGATHAN

Participant ID	
Participant Name	
Test Center Name	
Test Date	25/01/2021
Test Time	2:20 PM - 5:40 PM
Subject	TGT Science

### Section : Language Proficiency Test

**Q.1 Choose the correct synonym of the given word.**

**Radiant**

- Ans
- 1. Obscure
  - 2. Proficient
  - 3. Shining
  - 4. Delicate

Question ID : **6009291602**  
 Status : **Not Answered**  
 Chosen Option : --

**Q.2 Choose the option that is the correct passive form of the given sentence.**

**The school has built a very good sports centre for the students.**

- Ans
- 1. A very good sports centre is being built by the school for the students.
  - 2. A very good sports centre had been built by the school for the students.
  - 3. A very good sports centre has been built by the school for the students.
  - 4. A very good sports centre was built by the school for the students.

Question ID : **6009291599**  
 Status : **Answered**  
 Chosen Option : **3**

**Q.3 The parts of a sentence have been jumbled. These parts have been labelled as P, Q, R and S. Rearrange the jumbled parts to form a meaningful sentence.**

(P) to their aunt  
 (Q) for the beautiful present  
 (R) the girls have written  
 (S) to thank her

- Ans
- 1. QPSR
  - 2. PSQR
  - 3. SQPR
  - 4. RPSQ

Question ID : **6009291594**  
 Status : **Answered**  
 Chosen Option : **4**

**Q.4** The parts of a sentence have been jumbled. These parts have been labelled as P, Q, R and S. Rearrange the jumbled parts to form a meaningful sentence.

- (P) climate change will continue  
 (Q) there is no doubt that  
 (R) create either water shortages or excesses  
 (S) to affect weather conditions and

- Ans  1. QSRP  
 2. QPSR  
 3. SRQP  
 4. PRSQ

Question ID : 6009291595  
 Status : Not Answered  
 Chosen Option : --

**Q.5** Choose the option that is the correct indirect form of the given sentence.

The teacher said to the students, "Sit down and open your books."

- Ans  1. The teacher orders the students to sit down and open your books.  
 2. The teacher ordered the students who sat down and opened their books.  
 3. The teacher ordered the students to sit down and open their books.  
 4. The teacher ordered the students to sit down and opening their books.

Question ID : 6009291600  
 Status : Answered  
 Chosen Option : 2

**Q.6** Choose the option that is closest in meaning to the underlined idiom/phrase in the given sentence.

The workers thought that the manager would come round to their point of view after some time.

- Ans  1. forget  
 2. encourage  
 3. agree  
 4. ignore

Question ID : 6009291606  
 Status : Not Answered  
 Chosen Option : --

**Q.7** Choose the option that is the correct active form of the given sentence.

This medicine must be taken three times a day.

- Ans  1. You must take this medicine three times a day.  
 2. You must have taken this medicine three times a day.  
 3. You must be taking this medicine three times a day.  
 4. You take this medicine three times a day.

Question ID : 6009291597  
 Status : Answered  
 Chosen Option : 1

Q.8 Fill in the blank with the most suitable option.

When we set out early this morning, the sun \_\_\_\_\_ brightly in the sky.

- Ans
- 1. is shining
  - 2. shine
  - 3. shines
  - 4. was shining

Question ID : 6009291592  
Status : Answered  
Chosen Option : 4

Q.9 The parts of a sentence have been jumbled. These parts have been labelled as P, Q, R and S. Rearrange the jumbled parts to form a meaningful sentence.

(P) coming next week  
(Q) the car mechanic called  
(R) and not tomorrow  
(S) now to say that he'll be

- Ans
- 1. SPQR
  - 2. PSRQ
  - 3. QPRS
  - 4. QSPR

Question ID : 6009291596  
Status : Answered  
Chosen Option : 4

Q.10 Choose the option that is the correct indirect form of the given sentence.

"Please lend me this book," said Rita to me, "I promise that I will return it tomorrow."

- Ans
- 1. Rita requested me to lend me this book promising that she would return it the next day.
  - 2. Rita requested me to lend her that book and promise to return it the next day.
  - 3. Rita requested me to lend her that book and promised that she would return it the next day.
  - 4. Rita requests me to lend her that book and promised that she will return it the next day.

Question ID : 6009291601  
Status : Answered  
Chosen Option : 3

Q.11 Fill in the blank with the most suitable option.

The girl pointed \_\_\_\_\_ a stain \_\_\_\_\_ her new coat.

- Ans
- 1. to, on
  - 2. to, in
  - 3. near, on
  - 4. for, in

Question ID : 6009291591  
Status : Not Answered  
Chosen Option : --

Q.12 Choose the correct synonym of the given word.

Confess

- Ans
- 1. Submit
  - 2. Conceal
  - 3. Oppose
  - 4. Admit

Question ID : 6009291603  
Status : Answered  
Chosen Option : 4

Q.13 Fill in the blank with the most suitable option.

The supermarket in the city centre accepts credit cards, \_\_\_\_\_ the one in my neighbourhood insists on cash.

- Ans
- 1. whereas
  - 2. whether
  - 3. otherwise
  - 4. or else

Question ID : 6009291593  
Status : Answered  
Chosen Option : 3

Q.14 Choose the correct ANTONYM of the given word.

Compress

- Ans
- 1. Condense
  - 2. Restrict
  - 3. Abstract
  - 4. Amplify

Question ID : 6009291604  
Status : Answered  
Chosen Option : 3

Q.15 Fill in the blank with the most suitable option.

The committee took \_\_\_\_\_ unanimous decision on the proposal.

- Ans
- 1. a
  - 2. No article required
  - 3. an
  - 4. the

Question ID : 6009291590  
Status : Answered  
Chosen Option : 1

Q.16 Read the given sentence and identify the part of the sentence that has an error.

My friend returned / home last month after / living in the abroad / for many years.

- Ans
- 1. for many years.
  - 2. My friend returned
  - 3. living in the abroad
  - 4. home last month after

Question ID : 6009291588  
Status : Not Answered  
Chosen Option : --

Q.17 Read the given sentence and identify the part of the sentence that has an error.

Unless you will start / now from your home, / you won't reach / the airport on time.

- Ans
- 1. the airport on time.
  - 2. you won't reach
  - 3. now from your home,
  - 4. Unless you will start

Question ID : 6009291589  
Status : Not Answered  
Chosen Option : --

Q.18 Read the given sentence and identify the part of the sentence that has an error.

If I complete / my work by evening / I am meeting you / in the park.

- Ans
- 1. my work by evening
  - 2. I am meeting you
  - 3. in the park.
  - 4. If I complete

Question ID : 6009291587  
Status : Answered  
Chosen Option : 2

Q.19 Choose the option that is closest in meaning to the underlined idiom/phrase in the given sentence.

They spent a long time discussing the pros and cons of starting their own business.

- Ans
- 1. the advantages and disadvantages of
  - 2. the cost and expenditure
  - 3. the people who can help in
  - 4. the problems involved in

Question ID : 6009291605  
Status : Answered  
Chosen Option : 1

Q.20 Choose the option that is the correct passive form of the given sentence.

The girl cuts the fruits with a knife.

- Ans
- 1. The fruits were cut with a knife by the girl.
  - 2. The fruits are being cut with a knife by the girl.
  - 3. The fruits are cut with a knife by the girl.
  - 4. The fruits is cut with a knife by the girl.

Question ID : 6009291598

Status : Answered

Chosen Option : 3

Q.21 'ସୁନାମୁଦି' ଶବ୍ଦଟିକୁ ବିଗ୍ରହ ବାକ୍ୟ କଲେ କଣ ହେବ ?

- Ans
- 1. ସୁନା ଓ ମୁଦି
  - 2. ସୁନାପରି ମୁଦି
  - 3. ସୁନା ଆବୃତ ମୁଦି
  - 4. ସୁନାରେ ଚିଆରି ମୁଦି

Question ID : 6009291611

Status : Answered

Chosen Option : 4

Q.22 'ରାବଣ ରାମଙ୍କ ଦ୍ଵାରା ହତ ହେଲା' - ଏହା କିପ୍ରକାର ବାକ୍ୟ ?

- Ans
- 1. କର୍ମବାଚ୍ୟ
  - 2. କର୍ତ୍ତୃବାଚ୍ୟ
  - 3. ଭାବବାଚ୍ୟ
  - 4. କର୍ମକର୍ତ୍ତୃବାଚ୍ୟ

Question ID : 6009291625

Status : Answered

Chosen Option : 1

Q.23 ଉପଯୁକ୍ତ ଶବ୍ଦବାଚି ଶୂନ୍ୟସ୍ଥାନ ପୂରଣ କର-

ରୁ ନାଥ ପରମ ଦୟାଳୁ ଦୁଷ୍ଟ ନିବାରୀ \_\_\_\_\_ ପାଲୁ ।

- Ans
- 1. ପଶୁ
  - 2. ସିନ୍ଧୁ
  - 3. ଭକ୍ତ
  - 4. ସନ୍ଥ

Question ID : 6009291613

Status : Not Answered

Chosen Option : --

Q.24 'ଶୁଚି' ଓ 'ସୁଚି' ଶବ୍ଦଦ୍ୱୟର ଅର୍ଥ ଯଥାକ୍ରମେ ପ୍ରକାଶ କର।

- Ans
- 1. ବେଦ ଓ ସ୍ମରଣ ଶକ୍ତି
  - 2. ଦାକ୍ଷିଣ୍ୟ ଓ ସ୍ମରଣ ଶକ୍ତି
  - 3. ଶାମୁକା ଓ ସ୍ମରଣ ଶକ୍ତି
  - 4. ପବିତ୍ର ଓ ସ୍ମରଣ ଶକ୍ତି

Question ID : 6009291619  
Status : Answered  
Chosen Option : 1

Q.25 କେଉଁ ଶବ୍ଦଟି 'ଲୋଚନ' ଶବ୍ଦର ସମାର୍ଥବାଚକ ଶବ୍ଦ ?

- Ans
- 1. ଲେପନ
  - 2. ଜଘନ
  - 3. ନୟନ
  - 4. ନଳୀନ

Question ID : 6009291614  
Status : Answered  
Chosen Option : 3

Q.26 ନିମ୍ନୋକ୍ତ କେଉଁ ଶବ୍ଦରେ ବନାନଗତ ଅଶୁଦ୍ଧି ରହିଛି ?

- Ans
- 1. ପାର୍ବତୀ
  - 2. ଗଣେଷ
  - 3. ଶଙ୍କର
  - 4. କାର୍ତ୍ତିକ

Question ID : 6009291617  
Status : Not Answered  
Chosen Option : --

Q.27 ରାମ କହିଲା, "ଆମର ଗାଈ ଦୁହଁ ଦେଉଛି।" - ଏହା କି ପ୍ରକାର ଉଚ୍ଚି ।

- Ans
- 1. ବ୍ୟଙ୍ଗୋଚ୍ଚି
  - 2. ପ୍ରତ୍ୟକ୍ଷ ଉଚ୍ଚି
  - 3. ପରୋକ୍ଷ ଉଚ୍ଚି
  - 4. ବଶୋଚ୍ଚି

Question ID : 6009291626  
Status : Answered  
Chosen Option : 2

Q.28 'ନବାନ' ଶବ୍ଦର ବିପରୀତାର୍ଥ ବୋଧକ ଶବ୍ଦ କଣ ?

- Ans
- 1. ପ୍ରାଚୀନରଣ
  - 2. ନବାକରଣ
  - 3. ପ୍ରାଚୀନ
  - 4. ଅର୍ବାଚୀନ

Question ID : 6009291616  
Status : Answered  
Chosen Option : 3

Q.29 ନିମ୍ନଲିଖିତ କେଉଁଶବ୍ଦଟି ଅଶୁଦ୍ଧ ହେଲେହେଁ ବହୁ ପ୍ରଚଳିତ ?

- Ans
- 1. ସର୍ଜନ
  - 2. ଧାର
  - 3. ସୁଚୀପତ୍ର
  - 4. ସିଞ୍ଚନ

Question ID : 6009291610  
Status : Not Answered  
Chosen Option : --

Q.30 ଗଙ୍ଗାଧର ନିର୍ଦ୍ଦେଶୀ ଥିଲେ ମଧ୍ୟ ନିଞ୍ଜଳକ ସାଧୁ ଜୀବନ ବିତାଇଥିଲେ- ଏ ବାକ୍ୟରେ କେଉଁ ଶବ୍ଦଟି ଭୁଲ ?

- Ans
- 1. ନିର୍ଦ୍ଦେଶୀ
  - 2. ସାଧୁ ଜୀବନ
  - 3. ଗଙ୍ଗାଧର
  - 4. ନିଞ୍ଜଳକ

Question ID : 6009291608  
Status : Answered  
Chosen Option : 1

Q.31 ସେ ନିତାନ୍ତ ମନଦୁଃଖରେ ଗୃହତ୍ୟାଗ କଲେ- ଏ ବାକ୍ୟରେ ରେଖାଙ୍କିତ ଅଂଶଟି କି ପ୍ରକାର ବାକ୍ୟାଂଶ ?

- Ans
- 1. କ୍ରିୟାବିଶେଷଣୀୟ ବାକ୍ୟାଂଶ
  - 2. ବିଶେଷ୍ୟ ସ୍ଥାନୀୟ ବାକ୍ୟାଂଶ
  - 3. ନାମ ବିଶେଷଣୀୟ ବାକ୍ୟାଂଶ
  - 4. କାରକ ବାକ୍ୟାଂଶ

Question ID : 6009291622  
Status : Not Answered  
Chosen Option : --

Q.32 ରୁକ୍ମ ପୁସ୍କୋଗରେ 'ଅଧୁଆ ମୁହଁ' କେଉଁ ଅର୍ଥ ପ୍ରକାଶ କରେ ?

- Ans
- 1. ମୁହଁରେ ସାରୁନ ଲାଗିଥିବା ଲୋକ
  - 2. ବିକୃତ ମୁହଁ
  - 3. ଅମଙ୍ଗଳିଆ
  - 4. ମୁହଁଦେବା

Question ID : 6009291620  
Status : Answered  
Chosen Option : 3

Q.33 'ଉଦଘାଟନ' ଶବ୍ଦଟିର ବିପରୀତାର୍ଥ ବୋଧକ ଶବ୍ଦ କଣ ?

- Ans
- 1. ଉଦ୍‌ଗମନ
  - 2. ଘାଟନ
  - 3. ଉଦ୍‌ଯୋଗ
  - 4. ଉଦ୍‌ଯାପନ

Question ID : 6009291615  
Status : Answered  
Chosen Option : 4

Q.34 'କଳାକନା ବୁଲାଇବା' ରୁଦ୍ଧିଟିର ଅର୍ଥ କଣ ?

- Ans
- 1. ସର୍ବନାଶ ଘଟିବା
  - 2. ବିପଦରେ ପଡ଼ିବା
  - 3. ହରାଣ ହେବା
  - 4. ସମ୍ପର୍କ ରୁଚାଇବା

Question ID : 6009291621  
Status : Answered  
Chosen Option : 1

Q.35 କିଏ ଜାଣିଥିଲା ଅକାଳରେ ବଜ୍ରପାତ ହେବ ? ଏହି ବାକ୍ୟରେ ରେଖାକିତ ଖଣ୍ଡବାକ୍ୟଟି କେଉଁ ପଦର କାର୍ଯ୍ୟ କରୁଅଛି ?

- Ans
- 1. ବିଶେଷ୍ୟ
  - 2. ଅବ୍ୟୟ
  - 3. ସର୍ବନାମ
  - 4. ବିଶେଷଣ

Question ID : 6009291623  
Status : Not Answered  
Chosen Option : --

Q.36 'ପିଲାଙ୍କୁ ଛାଟା କରୁଥିବା ବ୍ୟକ୍ତିକୁ ଜଳଦାନ କର' - ଏ ବାକ୍ୟକୁ ସଂକ୍ଷେପ କଲେ କଣ ହେବ ?

- Ans
- 1. ଜଳଦକୁ ଜଳ ଦାନ କର।
  - 2. ପିର ବ୍ୟକ୍ତିକୁ ଜଳ ଦାନ କର।
  - 3. ବୁଦ୍ଧୁଷ୍ଟକୁ ଜଳ ଦାନ କର।
  - 4. ପିପାସୁକୁ ଜଳ ଦାନ କର।

Question ID : 6009291624  
Status : Answered  
Chosen Option : 4

Q.37 ନିମ୍ନୋକ୍ତ ଶବ୍ଦମାନଙ୍କ ଭିତରୁ କେଉଁଟି ଠିକ୍ ?

- Ans
- 1. ମୂଷା
  - 2. ମୁଷା
  - 3. ମୁସା
  - 4. ମୁସା

Question ID : 6009291618  
Status : Answered  
Chosen Option : 1

Q.38 ଉପଯୁକ୍ତ ଶବ୍ଦବାଚି ଶୂନ୍ୟସ୍ଥାନ ପୂରଣ କର-

ଶିଖଣ୍ଡକୁ ଦେଖି ଅର୍ଜୁନ ଯୁଦ୍ଧକରିବାରୁ \_\_\_\_\_ ରହିଲେ ।

- Ans
- 1. କ୍ଷାନ୍ତି
  - 2. କ୍ଷମ
  - 3. କ୍ଷାତ
  - 4. କ୍ଷରିତ

Question ID : 6009291612  
Status : Not Answered  
Chosen Option : --

Q.39 ମୁଁ ଅଦ୍ୟାପି ସୁଦ୍ଧା ମାଂସାହାର କରିନାହିଁ- ଏ ବାକ୍ୟରେ କେଉଁ ଶବ୍ଦଟି ଅଶୁଦ୍ଧ ?

- Ans
- 1. ଅଦ୍ୟାପିସୁଦ୍ଧା
  - 2. ମୁଁ
  - 3. ମାଂସାହାର
  - 4. କରିନାହିଁ

Question ID : 6009291607  
Status : Answered  
Chosen Option : 1

**Q.40** ଶୁଭଲିଖନ ଓ ହସ୍ତାକ୍ଷର ଆଜିକାଲି ପ୍ରାଥମିକ ଶିକ୍ଷାରୁ ଲୁପ୍ତପ୍ରାୟ- ଏ ବାକ୍ୟରେ ଅଶୁଭ ଶବ୍ଦଟି କେଉଁଟି ?

- Ans**
- 1. ହସ୍ତାକ୍ଷର
  - 2. ଶୁଭଲିଖନ
  - 3. ଲୁପ୍ତପ୍ରାୟ
  - 4. ପ୍ରାଥମିକ

Question ID : **6009291609**  
 Status : **Answered**  
 Chosen Option : **2**

Section : **Current Affairs & Reasoning**

**Q.1** On 15th September 2020, Thomas and Uber Cup Finals were postponed to 2021 due to the COVID-19 pandemic. Both of them are related to which sports?

- Ans**
- 1. Table tennis
  - 2. Badminton
  - 3. Cricket
  - 4. Football

Question ID : **6009291628**  
 Status : **Answered**  
 Chosen Option : **2**

**Q.2** On 27 September 2020, which former union minister passed away due to cardiac arrest?

- Ans**
- 1. Ram Vilas Paswan
  - 2. Suresh Angadi
  - 3. Haji Hussain Ansari
  - 4. Jaswant Singh

Question ID : **6009291641**  
 Status : **Answered**  
 Chosen Option : **4**

**Q.3** On 23rd April 2020, Iran launched its first ever military satellite called:

- Ans**
- 1. Fajr
  - 2. Omid
  - 3. Noor
  - 4. Zafar 1

Question ID : **6009291652**  
 Status : **Answered**  
 Chosen Option : **4**

**Q.4** According to the 44th edition of OECD International Migration Outlook Survey, which country emerged as the second largest source country?

- Ans
- 1. United States of America
  - 2. China
  - 3. India
  - 4. Philippines

Question ID : 6009291655  
Status : Not Answered  
Chosen Option : --

**Q.5** Dean Jones, a former cricketer, died on 24th September 2020. Which country did he belong to?

- Ans
- 1. Australia
  - 2. New Zealand
  - 3. England
  - 4. South Africa

Question ID : 6009291627  
Status : Not Answered  
Chosen Option : --

**Q.6** On which of the following dates did the 42nd GST Council meet through video conferencing in New Delhi?

- Ans
- 1. 5th October 2020
  - 2. 12th June 2020
  - 3. 13th October 2020
  - 4. 27th August 2020

Question ID : 6009291646  
Status : Not Answered  
Chosen Option : --

**Q.7** Which of the following Indian economists was NOT appointed as the RBI's Monetary Policy Committee member?

- Ans
- 1. Ashima Goyal
  - 2. Jayanth R Varma
  - 3. Shashanka Bhide
  - 4. Arvind Subramanian

Question ID : 6009291649  
Status : Answered  
Chosen Option : 2

**Q.8** Which country's PM declared a state of environmental emergency on 7th August 2020 due to massive oil fuel spill?

- Ans
- 1. Japan
  - 2. Mauritius
  - 3. China
  - 4. Singapore

Question ID : 6009291653  
Status : Answered  
Chosen Option : 2

Q.9 Which Indian cricketer has been appointed as the brand ambassador of WTF Sports-India and Global along with Suresh Raina?

- Ans
- 1. MS Dhoni
  - 2. Harmanpreet Kaur
  - 3. Mithali Raj
  - 4. Virat Kohli

Question ID : 6009291630  
Status : Answered  
Chosen Option : 2

Q.10 Which Indian state won the first prize in e-Panchayat Puraskar 2020 by the Union Ministry of Panchayati Raj?

- Ans
- 1. Odisha
  - 2. Arunachal Pradesh
  - 3. Himachal Pradesh
  - 4. Assam

Question ID : 6009291635  
Status : Answered  
Chosen Option : 4

Q.11 What is the name of the chief minister who was conferred with the 'Hero to Animals Award' by the animal rights body PETA India in April 2020?

- Ans
- 1. Naveen Patnaik
  - 2. Bhupesh Baghel
  - 3. V Narayanasamy
  - 4. Biplab Kumar Deb

Question ID : 6009291639  
Status : Answered  
Chosen Option : 1

Q.12 On 17th October 2020, who inaugurated the 'Safe City Project' for women's safety in Lucknow?

- Ans
- 1. Smriti Irani
  - 2. Harsimrat Kaur Badal
  - 3. Deboshree Chowdhury
  - 4. Anandiben Patel

Question ID : 6009291643  
Status : Answered  
Chosen Option : 4

Q.13 On 1st September 2020, who created history by becoming the first Indian male in the last seven years, to win a Main Draw Singles Match at the US Open?

- Ans
- 1. Sumit Nagal
  - 2. Divij Sharan
  - 3. Rohan Bopanna
  - 4. Somdev Devvarman

Question ID : 6009291633  
Status : Not Answered  
Chosen Option : --

Q.14 On 17th April 2020, RBI governors gave a statement. As per his statement how much reverse repo rate is being reduced under Liquidity adjustment facility (LAF) from 4 percent to \_\_\_\_\_.

- Ans
- 1. 3.75 percent
  - 2. 3 percent
  - 3. 2.5 percent
  - 4. 3.5 percent

Question ID : 6009291651  
Status : Not Answered  
Chosen Option : --

Q.15 On 27th September 2020, which Australia women's cricket player broke MS Dhoni's T20 record to take the first position in the list of wicket-keepers with most dismissals?

- Ans
- 1. Alex Carey
  - 2. Tim Paine
  - 3. Beth Mooney
  - 4. Alyssa Healy

Question ID : 6009291632  
Status : Not Answered  
Chosen Option : --

Q.16 On 30th March 2020, Which bank unveiled a new logo before its merger with the Oriental Bank of Commerce (OBC) and the United Bank of India (UBI)?

- Ans
- 1. UCO Bank
  - 2. Punjab National Bank
  - 3. Indian Overseas Bank
  - 4. Syndicate Bank

Question ID : 6009291645  
Status : Not Answered  
Chosen Option : --

Q.17 Which Indian animation director was chosen for the 'Legend of Animation' award instituted by the Toonz Media Group (TMG) as part of the Animation Masters Summit (AMS) 2020?

- Ans
- 1. Ram Mohan
  - 2. Arnab Chaudhuri
  - 3. Pramod Pati
  - 4. GK Gokhale

Question ID : 6009291640  
Status : Not Answered  
Chosen Option : --

Q.18 Which two countries did a naval exercise named 'JIMEX-2020' from 26 September to 28 September 2020?

- Ans
- 1. India - US
  - 2. India - Australia
  - 3. India - France
  - 4. India - Japan

Question ID : 6009291654  
Status : Not Answered  
Chosen Option : --

Q.19 On 2nd August 2020, a film called 'Moothon' won awards at the 20th edition of the New York Indian Film Festival (NYIFF). What is the language of this film?

- Ans
- 1. Bengali
  - 2. Malayalam
  - 3. Tamil
  - 4. Assamese

Question ID : 6009291636  
Status : Answered  
Chosen Option : 2

Q.20 On 3rd October 2020, PM Narendra Modi inaugurated the Atal Tunnel at which of the following places?

- Ans
- 1. Arunachal Pradesh
  - 2. Himachal Pradesh
  - 3. Uttarakhand
  - 4. Sikkim

Question ID : 6009291644  
Status : Answered  
Chosen Option : 3

Q.21 On 12th October 2020, which among the following banks launched the 'ACE Credit Card' in partnership with Google Pay and Visa?

- Ans
- 1. ICICI Bank
  - 2. Union Bank of India
  - 3. HDFC Bank
  - 4. Axis Bank

Question ID : 6009291648  
Status : Not Answered  
Chosen Option : --

Q.22 Pat Cummins is the costliest foreign player in the IPL auction 2020. Which team bought him?

- Ans
- 1. Chennai Super Kings (CSK)
  - 2. Royal Challengers Bangalore (RCB)
  - 3. Mumbai Indians (MI)
  - 4. Kolkata Knight Riders (KKR)

Question ID : 6009291629  
Status : Not Answered  
Chosen Option : --

**Q.23** On 17th September 2020, Canara bank launched which of the following customer services?

- Ans
- 1. i-Lead 2.0
  - 2. DigiGo
  - 3. ZipDrive
  - 4. Apna Ghar Dreamz

Question ID : **6009291647**  
Status : **Not Answered**  
Chosen Option : --

**Q.24** On 21st October 2020, Meghalaya Chief Minister Conrad K Sangma launched a service in rural areas, called:

- Ans
- 1. Mo Bidyut
  - 2. DAY-NRLM
  - 3. DIKSHA (Training Portal)
  - 4. Micro ATM

Question ID : **6009291642**  
Status : **Answered**  
Chosen Option : 1

**Q.25** Who received the prestigious 41st edition of the annual Sarala Puraskar on 26th October 2020?

- Ans
- 1. Nityananda Nayak
  - 2. Sitakant Mahapatra
  - 3. Nandini Sahu
  - 4. Biswajit Das

Question ID : **6009291638**  
Status : **Answered**  
Chosen Option : 1

**Q.26** On 26th August 2020, which of the following West Indies all-rounder became the first bowler in international cricket to take 500 wickets in Twenty20 International (T20I) cricket?

- Ans
- 1. Jason Holder
  - 2. Chris Gayle
  - 3. Dwayne Bravo
  - 4. Carlos Brathwaite

Question ID : **6009291631**  
Status : **Not Answered**  
Chosen Option : --

**Q.27** How many sportspersons have been selected for Dhyan Chand Award 2020?

- Ans
- 1. 10
  - 2. 12
  - 3. 15
  - 4. 18

Question ID : **6009291634**  
Status : **Not Answered**  
Chosen Option : --

Q.28 SBI is planning to launch a loan product called \_\_\_\_\_ for organic cotton growers.

- Ans
- 1. SOCG ELITE
  - 2. ATAL
  - 3. BIOMEDA
  - 4. SAFAL

Question ID : 6009291650  
Status : Answered  
Chosen Option : 3

Q.29 Which two countries' self-defence forces organised a one-day joint naval exercise, PASSEX, in the Malacca Strait on 27th June 2020?

- Ans
- 1. India, Japan
  - 2. India, France
  - 3. India, Australia
  - 4. India, US

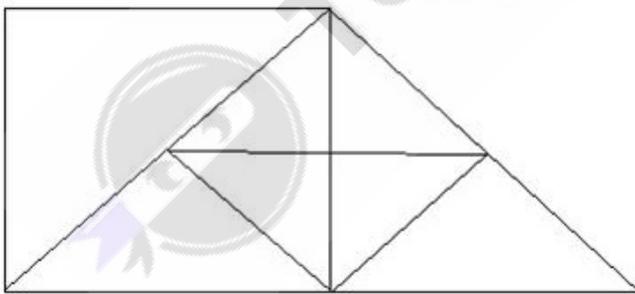
Question ID : 6009291656  
Status : Answered  
Chosen Option : 3

Q.30 Louise Gluck was honoured with the Nobel Prize 2020 for which of the following subjects?

- Ans
- 1. Physiology or Medicine
  - 2. Economic Sciences
  - 3. Physics
  - 4. Literature

Question ID : 6009291637  
Status : Answered  
Chosen Option : 4

Q.31 What is the maximum number of triangles in the given figure?



- Ans
- 1. 14
  - 2. 16
  - 3. 15
  - 4. 13

Question ID : 6009291664  
Status : Answered  
Chosen Option : 3

Q.32 If in a certain coding language, 'TEACHER' is written as 'AETCREH', then how will 'STUDENT' be written in that language?

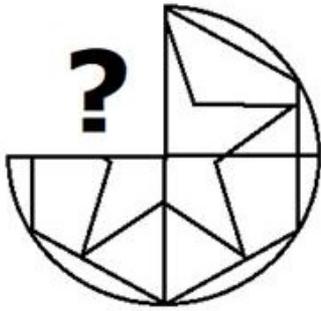
- Ans
- 1. USTIDENT
  - 2. UTSDTEN
  - 3. TNEDUTS
  - 4. UTSDTNE

Question ID : 6009291677

Status : Answered

Chosen Option : 4

Q.33 Identify the figure that can replace the question mark (?) to complete the given pattern.



Ans

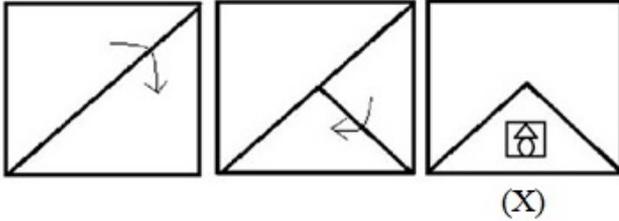
- 1.
- 2.
- 3.
- 4.

Question ID : 6009291662

Status : Answered

Chosen Option : 2

Q.34 A paper has been folded and cut as shown in the following figures. Figure (X) shows the manner in which the folded paper has been cut. Select the figure that would most closely resemble the unfolded form of Figure (X).



Ans

- 1.
- 2.
- 3.
- 4.

Question ID : 6009291667  
Status : Answered  
Chosen Option : 2

Q.35 Two statements are given, followed by two conclusions. Take the statements to be true even if they are at variance with commonly known facts, and decide which of the conclusions follow(s) from the given statements.

Statements:  
I. All cups are saucers.  
II. All saucers are spoons.

Conclusions:  
I. All cups are spoons.  
II. Some spoons are cups.

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

Question ID : 6009291685  
Status : Answered  
Chosen Option : 2

**Q.36** Three of the given four options are similar in a certain manner and one is different.  
Select the option that is different from the rest.

- Ans
- 1. Litre
  - 2. Force
  - 3. Metre
  - 4. Joule

Question ID : **6009291680**  
Status : **Answered**  
Chosen Option : **2**

**Q.37** Select the option that can replace the question mark (?) to complete the given letter series.

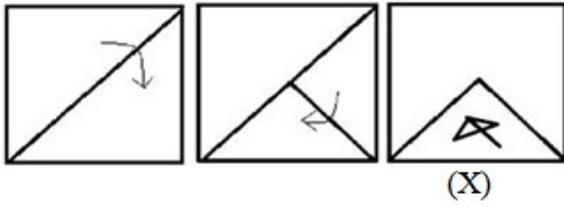
U, D, O, G, I, J, E, ?

- Ans
- 1. O
  - 2. N
  - 3. M
  - 4. P

Question ID : **6009291673**  
Status : **Not Answered**  
Chosen Option : --



Q.38 A paper has been folded and cut as shown in the following figures. Figure (X) shows the manner in which the folded paper has been cut. Select the figure that would most closely resemble the unfolded form of Figure (X).



Ans

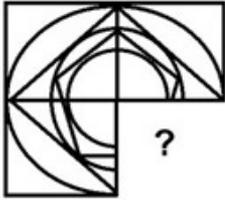
- 1.
- 2.
- 3.
- 4.

Question ID : 6009291666  
Status : Answered  
Chosen Option : 2



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Q.39 Identify the figure that can replace the question mark (?) to complete the given pattern.



Ans

1.



2.



3.



4.



Question ID : 6009291663

Status : Answered

Chosen Option : 4

Q.40 Select the option that can replace the question mark (?) to complete the given letter-cluster series.

DAW, FEU, HIS, JOQ, ?

Ans

1. LUO

2. MUO

3. LUP

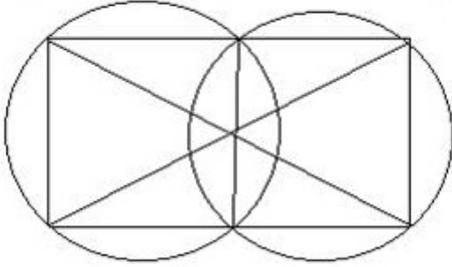
4. LVO

Question ID : 6009291674

Status : Answered

Chosen Option : 4

Q.41 What is the maximum number of triangles in the given figure?



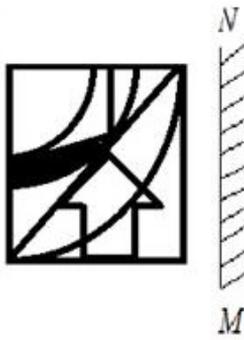
- Ans
- 1. 13
  - 2. 14
  - 3. 15
  - 4. 12

Question ID : 6009291665  
Status : Answered  
Chosen Option : 4

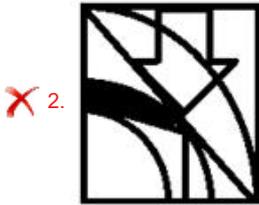


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Q.42 Select the correct mirror image of the given figure from the following options, when the mirror is placed on the line MN.



Ans



Question ID : 6009291658

Status : Answered

Chosen Option : 4

**Q.43** Two statements are given, followed by two conclusions. Take the statements to be true even if they are at variance with commonly known facts, and decide which of the conclusions follow(s) from the given statements.

**Statements:**

- I. Few pens are pencils.
- II. Some pencils are erasers.

**Conclusions:**

- I. Some erasers are pencils.
- II. Few pens are erasers.

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

Question ID : 6009291686

Status : Answered

Chosen Option : 3

**Q.44** Select the option that is related to the third word in the same way as the second word is related to the first word.

**Portuguese : Brazil :: French : ?**

- Ans**
- 1. Angola
  - 2. Mozambique
  - 3. Madagascar
  - 4. Australia

Question ID : 6009291678

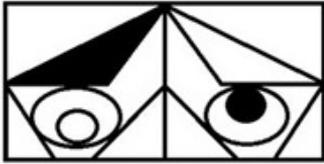
Status : Answered

Chosen Option : 4

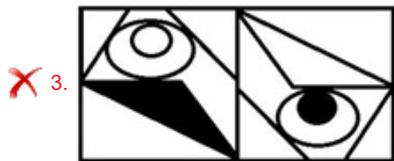
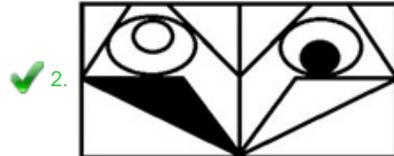
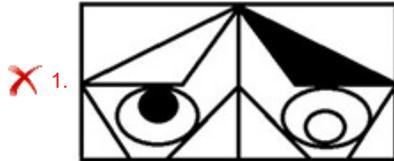


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Q.45 Which of the figures given in the options is the exact water image of the given figure?



Ans



Question ID : 6009291660  
Status : Answered  
Chosen Option : 2

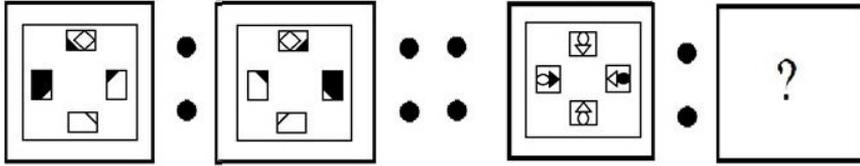
Q.46 Select the option that can replace the question mark (?) to complete the given letter-pair series.

FO, IK, LG, OC, ?

- Ans
- ✗ 1. SY
  - ✗ 2. SX
  - ✗ 3. RX
  - ✓ 4. RY

Question ID : 6009291675  
Status : Answered  
Chosen Option : 3

**Q.47** The second figure in the first unit of the given figures bears a certain relationship to the first figure. Similarly, one of the figure from the following options bears the same relationship to the first figure in the second unit of the given figures. You have to select that figure from the options which would replace the question mark (?).



Ans

- ✗ 1.
- ✗ 2.
- ✗ 3.
- ✓ 4.

Question ID : 6009291670  
 Status : Answered  
 Chosen Option : 4

Q.48 If in a certain coding language, 'LAPTOP' is written as 'OGYFDH', then how will 'SCREEN' be written in that language?

- Ans
- 1. VIAQTI
  - 2. VIAQTF
  - 3. VIAQTC
  - 4. VIATWI

Question ID : 6009291676

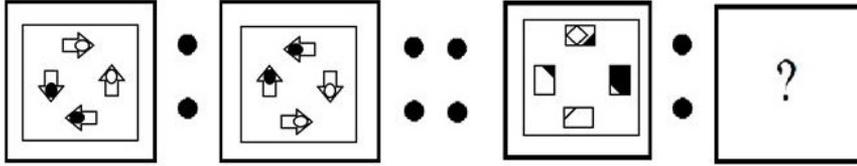
Status : Answered

Chosen Option : 3

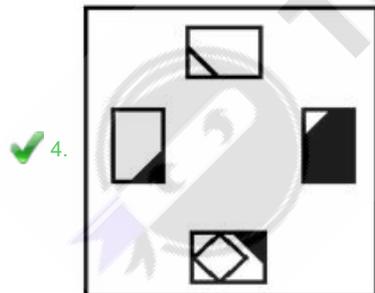
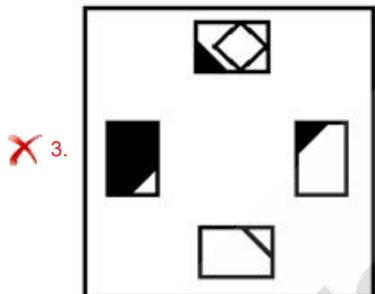
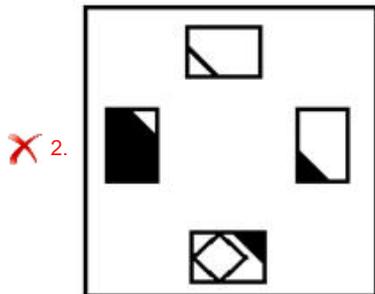
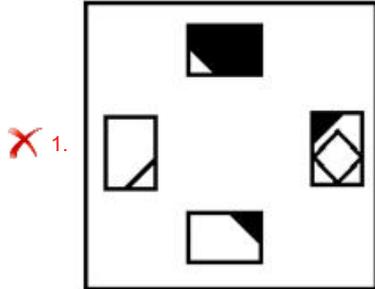


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**Q.49** The second figure in the first unit of the given figures bears a certain relationship to the first figure. Similarly, one of the figure from the following options bears the same relationship to the first figure in the second unit of the given figures. You have to select that figure from the options which would replace the question mark (?).

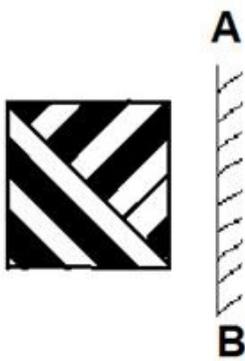


Ans

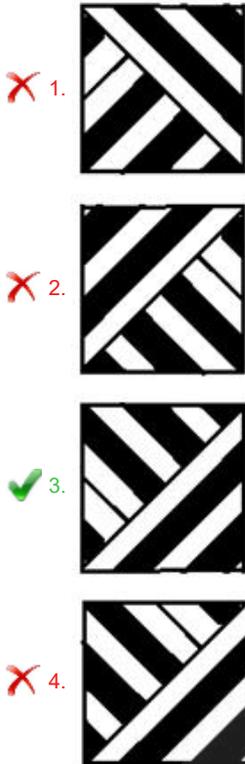


Question ID : 6009291669  
Status : Answered  
Chosen Option : 4

Q.50 Select the correct mirror image of the given figure from the following options, when the mirror is placed on the line AB.



Ans



Question ID : 6009291657

Status : Answered

Chosen Option : 4

Q.51 Radha walked 400 m straight from her college. She then turned to her right and walked 200 m. She again walked 100 m after turning right to reach Abhay's house. If Abhay's house is located to the South - East of Radha's college, then in which direction did Radha start walking initially from her college?

- Ans
- 1. East
  - 2. North - East
  - 3. South - West
  - 4. West

Question ID : 6009291684

Status : Answered

Chosen Option : 3

**Q.52** Three of the given four options are similar in a certain manner and one is different.  
Select the option that is different from the rest.

- Ans
- 1. London
  - 2. Greece
  - 3. Havana
  - 4. Nairobi

Question ID : 6009291681  
Status : Answered  
Chosen Option : 4

**Q.53** Select the option figure in which the given figure is embedded (rotation is NOT allowed).



Ans

- 1.
- 2.
- 3.
- 4.

Question ID : 6009291672  
Status : Answered  
Chosen Option : 2

**Q.54** In a group of 5 friends, Parmod is the richest, whereas Kiran is the poorest. Rahul is poorer than Parmod, but richer than Sushmita and Tanweer. Tanweer is the second poorest person in the group. Who is/are richer than Tanweer but poorer than Rahul among all the friends?

- Ans
- 1. Kiran
  - 2. Parmod
  - 3. Sushmita
  - 4. Parmod and Kiran

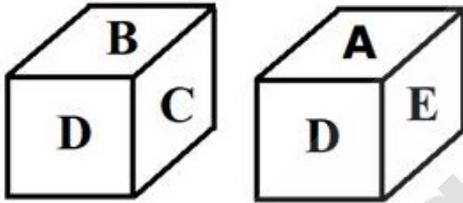
Question ID : 6009291683  
Status : Answered  
Chosen Option : 3

**Q.55** Three of the given four word-pairs are similar in a certain manner and one is different. Select the pair that is different from the rest.

- Ans
- 1. Fast : Slow
  - 2. Notice : Ignore
  - 3. Cordial : Hostile
  - 4. Anger : Rage

Question ID : 6009291682  
Status : Answered  
Chosen Option : 4

**Q.56** Two positions of the same dice are given. Which letter will be on the face opposite to the face having the letter B?



- Ans
- 1. A
  - 2. D
  - 3. E
  - 4. F

Question ID : 6009291661  
Status : Answered  
Chosen Option : 1

Q.57 Which of the figures given in the options is the exact water image of the given figure?

*God is good*

Ans

- ✗ 1. *God is good*
- ✓ 2. *baap ai baap*
- ✗ 3. *baap is baap*
- ✗ 4. *baap ai baap*

Question ID : 6009291659

Status : Answered

Chosen Option : 2

Q.58 Which of the following options has a similar relationship between the two words of the pair as between the words in the given pair?

Sack : Jute

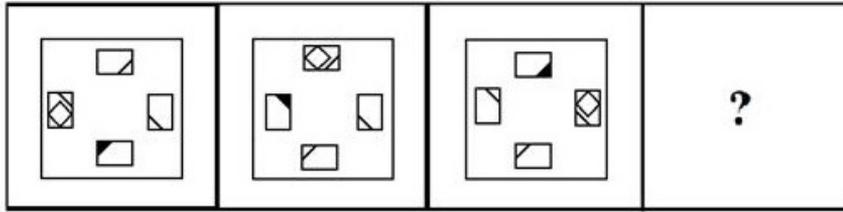
- Ans ✗ 1. Players : Team
- ✗ 2. Warrior : Sword
- ✗ 3. Paper : Ore
- ✓ 4. Oil : Seed

Question ID : 6009291679

Status : Answered

Chosen Option : 1

**Q.59** Select a suitable figure from the options that can replace the question mark (?) in the given figure series.

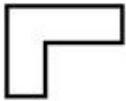


Ans

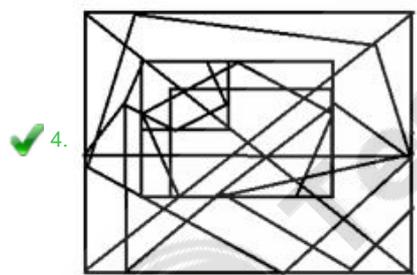
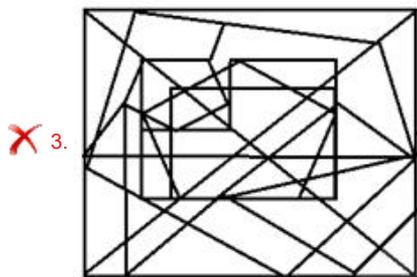
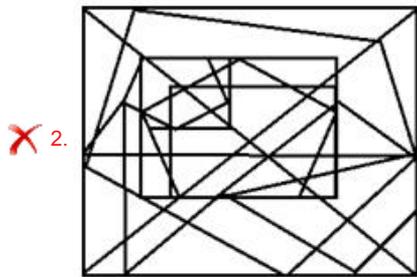
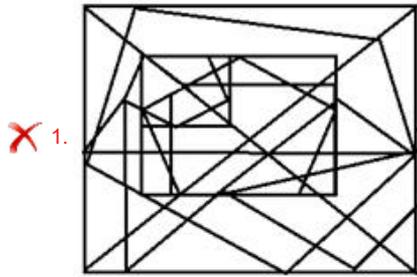
- ✗ 1.
- ✗ 2.
- ✗ 3.
- ✓ 4.

Question ID : 6009291668  
 Status : Answered  
 Chosen Option : 4

**Q.60** Select the option figure in which the given figure is embedded (rotation is NOT allowed).



Ans



Question ID : 6009291671  
Status : Answered  
Chosen Option : 1

Section : Subject Content & Methodology

**Q.1** Fovea is a part of the inner eye which:

- Ans
- 1. has only rods but no cones
  - 2. doesn't have both rods and cones
  - 3. has densely packed cones only but no rods
  - 4. has densely packed rods and cones

Question ID : 6009291706  
Status : Not Answered  
Chosen Option : --

Q.2 A chemical compound R is formed when one constituent element loses electrons and other one gains electrons. Which of the following properties could NOT be possibly shown by R?

- Ans
- 1. Low boiling point
  - 2. Usually occurs as solid
  - 3. High melting point
  - 4. Conducts electricity in molten state

Question ID : 6009291727  
Status : Answered  
Chosen Option : 4

Q.3 Which of the following can be categorised as Lewis Acid?

- Ans
- 1.  $\text{NF}_3$
  - 2.  $\text{HCCl}_3$
  - 3.  $:\text{CH}_3^-$
  - 4.  $\text{CH}_3^+$

Question ID : 6009291750  
Status : Answered  
Chosen Option : 4

Q.4 Which of the following is a true statement?

- Ans
- 1. Platyhelminthes are acoelomates with a complete digestive system
  - 2. Annelids have an exoskeleton made of cuticle
  - 3. Sea lilies are radially symmetrical with a water vascular system
  - 4. Not all chordates have notochord at some stage in their lifetime

Question ID : 6009291725  
Status : Answered  
Chosen Option : 2

Q.5 The following compounds have been numbered, which compound can give carbon dioxide and brisk effervescence on treatment with dilute acid?

1. Lime stone, 2. Marble, 3. Baking soda, 4. Lime

- Ans
- 1. 3
  - 2. 1
  - 3. 4
  - 4. 2

Question ID : 6009291749  
Status : Answered  
Chosen Option : 4

Q.6 Which of the following hormones increases water and sodium reabsorption at the distal tubule?

- Ans
- 1. Norepinephrine and oxytocin
  - 2. Erythropoietin
  - 3. Aldosterone and ADH
  - 4. ANP

Question ID : 6009291722  
Status : Answered  
Chosen Option : 3

**Q.7** Which of the following plant hormones plays an important role in seed development and dormancy?

- Ans  1. Abscisic acid  
 2. Ethylene  
 3. Auxin  
 4. Gibberellic acid

Question ID : 6009291705  
Status : Answered  
Chosen Option : 1

**Q.8** A beaker has an aqueous solution containing a concentration of  $2.5 \times 10^{-9} \text{ OH}^-$  ions. Which of the following is the PH value of the solution?

- Ans  1. 7.6  
 2. 8.6  
 3. 5.4  
 4. 6.4

Question ID : 6009291731  
Status : Answered  
Chosen Option : 2

**Q.9** The polymer 'X' finds its use in several use cases. It is used for signs, sales displays, lenses and screens. A more impressive use of 'X' is in the big aquariums around the world. Find 'X' from the given clues.

- Ans  1. Terylene  
 2. Lycra  
 3. Nylon  
 4. Acrylic

Question ID : 6009291736  
Status : Not Answered  
Chosen Option : --

**Q.10** Sap drops exude on the edges of leaves and the tip of grass blades like dew drops from xylem. This process is called:

- Ans  1. condensation  
 2. transpiration  
 3. guttation  
 4. translocation

Question ID : 6009291691  
Status : Answered  
Chosen Option : 2

**Q.11** Which of the following alloys does NOT have copper present in it?

- Ans  1. Brass  
 2. Magnalium  
 3. Bronze  
 4. Bell metal

Question ID : 6009291746  
Status : Answered  
Chosen Option : 2

Q.12 Poly ethylene glycols finds its use in the preparation of which type of detergents?

- Ans
- 1. Cationic detergents
  - 2. Soaps
  - 3. Non-ionic detergents
  - 4. Anionic detergents

Question ID : 6009291751  
Status : Answered  
Chosen Option : 1

Q.13 Number of moles of red coloured nitrogen dioxide gas liberated when copper (sufficient amount) is reacted with 10 moles of concentrated nitric acid is:

- Ans
- 1. 4
  - 2. 6
  - 3. 5
  - 4. 8

Question ID : 6009291758  
Status : Not Answered  
Chosen Option : --

Q.14 Lymph carries:

- Ans
- 1. digested and absorbed fats from the intestines
  - 2. vitamin B12 from the intestines
  - 3. digested and absorbed carbohydrates from the intestines
  - 4. digested and absorbed proteins from the intestines

Question ID : 6009291701  
Status : Answered  
Chosen Option : 1

Q.15 The ionisation energies of three successive elements are 519, 891 and 2370 KJ/ mol, respectively. Which combination could be apt for this set of numbers?

- Ans
- 1. Be, B, Li
  - 2. C, N, B
  - 3. He, Li, H
  - 4. Li, Be, He

Question ID : 6009291748  
Status : Not Answered  
Chosen Option : --

Q.16 Consider the given redox reaction.  
 $(P)Br_2 + (Q)CO_3^{2-} + (R)H_2O \rightarrow (S)Br^- + (T)BrO_3^- + (U)HCO_3^-$

The value of  $P + 2T + U + Q - S - R$  is:

- Ans
- 1. 11
  - 2. 9
  - 3. 13
  - 4. 12

Question ID : 6009291730  
Status : Not Answered  
Chosen Option : --

Q.17  $O_2 + x \rightarrow O + O$   
 $O + O_2 \rightarrow O_3$ . 'x' acts on CFC to release chlorine ultimately leading to ozone depletion. Which of the following is 'x'?

- Ans
- 1. X - rays
  - 2. Cosmic rays
  - 3. Gamma rays
  - 4. UV rays

Question ID : 6009291707  
Status : Answered  
Chosen Option : 4

Q.18 A de-shelled egg (a thin outer layer that encloses the egg) placed in pure water tends to swell. What is the principle involved?

- Ans
- 1. Absorption
  - 2. Facilitated diffusion
  - 3. Osmosis
  - 4. Transpiration

Question ID : 6009291711  
Status : Answered  
Chosen Option : 2

Q.19 Which of the following statements is FALSE?

- Ans
- 1. All the cells of phloem, except phloem fibres are living cells
  - 2. Secondary meristem forms cork in older plants
  - 3. Flexibility in a plant is due to collenchymatous tissue
  - 4. Meristematic cells in a plant have thin cellulose walls, prominent nucleus and a dense cytoplasm with vacuoles

Question ID : 6009291709  
Status : Answered  
Chosen Option : 1

Q.20 The purest form of coal is \_\_\_\_\_ and the type of coal present in abundance in India is \_\_\_\_\_.

- Ans  1. anthracite; lignite  
 2. bituminous; anthracite  
 3. anthracite; bituminous  
 4. peat; anthracite

Question ID : 6009291744  
Status : Answered  
Chosen Option : 3

Q.21 Identify the type/ types of bonds present in diamond.

- Ans  1. Covalent bond only  
 2. Mix of covalent and ionic bond  
 3. Metallic bonds  
 4. Ionic bond only

Question ID : 6009291753  
Status : Answered  
Chosen Option : 1

Q.22 Hydrogen sulphide gas when passed through a solution of green vitriol yields a black precipitate of ferrous sulphide and the sulphuric acid so formed remains in the solution. The reaction is best suited as an example of:

- Ans  1. combination reaction  
 2. decomposition reaction  
 3. double decomposition reaction  
 4. displacement reaction

Question ID : 6009291756  
Status : Answered  
Chosen Option : 2

Q.23 An individual whose blood group is 'O negative' previously transfused with 'O positive' has which of the following antibodies in plasma?

- Ans  1. Anti A and anti B only  
 2. Anti A only  
 3. Anti A, anti B and anti Rh  
 4. No antibodies in plasma

Question ID : 6009291699  
Status : Answered  
Chosen Option : 3

Q.24 The detergent obtained from a highly branched carbon could possibly be:

- Ans  1. hard and biodegradable  
 2. soft and biodegradable  
 3. soft and non - biodegradable  
 4. hard and non - biodegradable

Question ID : 6009291752  
Status : Answered  
Chosen Option : 4

Q.25 Infection in the alveoli of the lungs is caused by which of the following bacteria?

- Ans
- 1. Plasmodium falciparum
  - 2. COVID- 19
  - 3. H. influenza
  - 4. Wuchereria bancrofti

Question ID : 6009291708  
Status : Answered  
Chosen Option : 4

Q.26 Which of the following is a variety of chilli, resistant to chilli mosaic virus, tobacco mosaic virus and leaf curl?

- Ans
- 1. Pusa Sawani
  - 2. Pusa Gaurav
  - 3. Pusa Sadabahar
  - 4. Pusa Swarnum

Question ID : 6009291689  
Status : Answered  
Chosen Option : 3

Q.27 Equimolar solutions of which of the following compounds exhibit low POH value?

- Ans
- 1.  $\text{BeCl}_2$
  - 2.  $\text{LiCl}$
  - 3.  $\text{BaCl}_2$
  - 4.  $\text{AlCl}_3$

Question ID : 6009291759  
Status : Answered  
Chosen Option : 3

Q.28 Phosphorous (P) on reaction with caustic soda gives phosphine gas and a compound 'X'. The reaction type is best described as:

- Ans
- 1. redox
  - 2. oxidation
  - 3. neutralisation
  - 4. reduction

Question ID : 6009291757  
Status : Answered  
Chosen Option : 1

Q.29 When you come in contact with an extremely hot object, you tend to respond involuntarily. Which of the following is the correct order of pathway?

Ans  1.

Stimulus > sensory neuron > spinal cord > medulla oblongata > sensory nerve > motor end plate > action

2. Stimulus > efferent nerve > muscle > action

3.

Stimulus > muscle spindle > efferent nerve > spinal cord > afferent nerve > motor end plate > action

4.

Stimulus > afferent nerve > spinal cord > efferent nerve > motor end plate > action

Question ID : 6009291715

Status : Answered

Chosen Option : 3

Q.30 The duct of the pancreas is lined by which of the following?

Ans  1. Stratified cuboidal

2. Stratified non - keratinised squamous

3. Pseudostratified

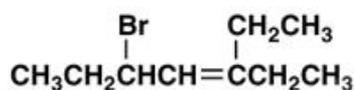
4. Transitional

Question ID : 6009291717

Status : Answered

Chosen Option : 3

Q.31 The IUPAC name of the given compound is:



Ans  1. 3 - ethyl - 5 - bromohept - 3 - ene

2. 1, 1 - diethyl - 3 - bromopent - 1 - ene

3. 3 - bromo - 5 - ethylhept - 4 - ene

4. 5 - bromo - 3 - ethylhept - 3 - ene

Question ID : 6009291741

Status : Answered

Chosen Option : 2

Q.32 In a Conference on Sustainable Development (SD), two 10th Grade students were discussing few points on SD. They were right in all EXCEPT one statement which could be:

Ans  1. sustainable development falls short of considering the viewpoints of stakeholders

2. sustainable development encourages development for current generation and conservation of resources for future generations

3. sustainable development is a long planned and persistent development

4. economic development is presumably linked to environmental conservation

Question ID : 6009291763

Status : Answered

Chosen Option : 2

**Q.33 Asexual reproduction takes place through spore formation in:**

- Ans
- 1. Rhizopus
  - 2. Rhizophora
  - 3. Leishmania donovani
  - 4. Plasmodium

Question ID : 6009291704  
Status : Answered  
Chosen Option : 1

**Q.34 Which of the following combinations is INCORRECT with respect to preparation of carboxylic acids?**

- Ans
- 1. 1-pentanol on reaction with potassium dichromate and chromium dioxide in acidic media gives pentanoic acid
  - 2. Benzamide on hydrolysis gives ammonia gas
  - 3. In preparation of aromatic carboxylic acids from vigorous oxidation of alkyl benzene with alkaline potassium permanganate, irrespective of length of chain, the entire side chain is oxidised to carboxyl group
  - 4. Basic hydrolysis of esters yields carboxylic acids

Question ID : 6009291728  
Status : Not Answered  
Chosen Option : --

**Q.35 Choose the INCORRECT statement regarding Lewis dot formula of vinegar (common name).**

- Ans
- 1. The molecule possesses four lone pairs of valence electrons
  - 2. The molecule contains only one ( $\pi$ ) bond
  - 3. Both oxygens are described by  $sp^3$  hybridisation
  - 4. One carbon is described by  $sp^3$  hybridisation

Question ID : 6009291743  
Status : Answered  
Chosen Option : 3

**Q.36 Which of the following statements is true?**

- Ans
- 1. The flipper of penguins and dolphins are homologous structures
  - 2. The evolution of Australian marsupials from an ancestral stock is an example of adaptive radiation
  - 3. The leaves of Bougainvillea and tendrils of Cucurbita are homologous structures
  - 4. Darwin's finches are an example of evolution by anthropogenic action

Question ID : 6009291688  
Status : Answered  
Chosen Option : 4

Q.37 Which of the following combinations of plastic when moulded once CANNOT be softened by heating?

- Ans  1. Melamine, Bakelite  
 2. Terylene, Bakelite  
 3. Melamine, Terylene  
 4. Terylene, Polythene

Question ID : 6009291737  
Status : Not Answered  
Chosen Option : --

Q.38 The type of hybridisation exhibited by carbon atoms in allene ( $C_4H_6$ ) is/ are:

- Ans  1. only  $sp^2$   
 2.  $sp$  and  $sp^2$   
 3.  $sp$  and  $sp^3$   
 4.  $sp^2$  and  $sp^3$

Question ID : 6009291742  
Status : Answered  
Chosen Option : 1

Q.39 Soap molecule in general constitutes of a:

- Ans  1. hydrophilic head and hydrophobic tail  
 2. hydrophilic head and hydrophilic tail  
 3. hydrophobic head and hydrophilic tail  
 4. hydrophobic head and hydrophobic tail

Question ID : 6009291735  
Status : Answered  
Chosen Option : 1

Q.40 The prime cause for abundant coliform bacteria in the river Ganga can be attributed to:

- Ans  1. discharge of effluents from electroplating industries  
 2. disposal of unburnt corpses into water  
 3. washing of clothes  
 4. immersion of ashes

Question ID : 6009291762  
Status : Answered  
Chosen Option : 1

Q.41 Consider the following set of elements / ions:

1)Mg, 2)  $Mg^{2+}$ , 3) Al, 4)  $Al^{3+}$

The identity of largest and smallest element/ion among these elements is:

- Ans
- 1. 2, 3
  - 2. 1, 4
  - 3. 4, 1
  - 4. 3, 2

Question ID : 6009291733  
Status : Answered  
Chosen Option : 2

Q.42 Which of the following compounds could be oxidised by potassium permanganate?

- Ans
- 1. Isobutane
  - 2. Butane
  - 3. Neopentane
  - 4. Pentane

Question ID : 6009291755  
Status : Answered  
Chosen Option : 1

Q.43 Which of the following statements is true?

- Ans
- 1. In a male bird the sex chromosomes are ZW
  - 2. In a female bird the sex chromosomes are not ZW
  - 3. In a female bird the sex chromosomes are ZZ
  - 4. In birds, the mechanism of sex determination is female heterogamety

Question ID : 6009291720  
Status : Answered  
Chosen Option : 3

Q.44 Potato spindle tuber disease is caused by:

- Ans
- 1. infectious proteins
  - 2. virus
  - 3. free RNA
  - 4. free DNA

Question ID : 6009291716  
Status : Answered  
Chosen Option : 2

Q.45 What is the rationale for elements within a group to have similar chemical properties?

- Ans
- 1. Each element in the group possesses one more proton than the previous element
  - 2. Their atoms have a similar radius
  - 3. They all have a similar configuration of outer-shell electrons
  - 4. Their atoms have the same number of occupied electron shells

Question ID : 6009291760  
Status : Not Answered  
Chosen Option : --

Q.46 In a sperm, mitochondria are located in the:

- Ans
- 1. acrosome
  - 2. neck
  - 3. midpiece
  - 4. head

Question ID : 6009291718  
Status : Answered  
Chosen Option : 1

Q.47 Which of the following statements is true?

- Ans
- 1. Both xylem and phloem have bidirectional movement
  - 2. The movement in phloem is always unidirectional
  - 3. The movement in xylem is bidirectional
  - 4. Most minerals enter the root by active absorption

Question ID : 6009291703  
Status : Answered  
Chosen Option : 4

Q.48 The combination of which of the following could be used to prevent corrosion?

- Ans
- 1. Phosphorous or Antimony
  - 2. Phosphorous or Nitrogen
  - 3. Phosphorous or Chlorine
  - 4. Antimony or Sodium

Question ID : 6009291766  
Status : Answered  
Chosen Option : 1

Q.49 A co - polymer containing chloride ion 'X' is used in manufacturing synthetic hair wigs. The molecular mass of 'X' could be:

- Ans
- 1. 57.5
  - 2. 106.5
  - 3. 62.5
  - 4. 133.5

Question ID : 6009291738  
Status : Not Answered  
Chosen Option : --

**Q.50** Choose the following metal combination which could provide cathodic protection to Fe.

- Ans
- 1. Zn and Al
  - 2. Cu and Al
  - 3. Ni and Al
  - 4. Zn and Cu

Question ID : 6009291765  
Status : Answered  
Chosen Option : 4

**Q.51** The increasing order of boiling points is:

- Ans
- 1. neo - Butane < n - Butane < iso - butane
  - 2. n - Butane < iso - butane < neo - Butane
  - 3. iso - butane < neo - Butane < n - Butane
  - 4. neo - Butane < iso - butane < n - Butane

Question ID : 6009291754  
Status : Not Answered  
Chosen Option : --

**Q.52** Cleistogamous flowers:

- Ans
- 1. transfer pollen from the anther to the stigma of a different plant species
  - 2. are invariably autogamous
  - 3. cannot pollinate in the absence of pollinators
  - 4. have an exposed anther and stigma

Question ID : 6009291723  
Status : Answered  
Chosen Option : 4

**Q.53** A common indicator of water pollution is:

- Ans
- 1. Escherichia coli
  - 2. Echinoderms
  - 3. Echinococcus
  - 4. Entamoeba

Question ID : 6009291700  
Status : Answered  
Chosen Option : 2

**Q.54** Ammonification is a process in which:

- Ans
- 1. ammonia is converted into nitrites by nitrosomonas bacterium
  - 2. decomposers in soil convert organic matter into ammonia
  - 3. the nitrogen compounds get back to the atmosphere by converting nitrate to gaseous nitrogen
  - 4. ammonia is converted into nitrates by the bacteria in soil

Question ID : 6009291697  
Status : Answered  
Chosen Option : 3

Q.55 Consider the following reaction set up.

Iodine and sodium hydroxide are mixed in a beaker to react under appropriate conditions with compound 'X' to leave a yellow precipitate along with an antiseptic smell. Which of the following compounds could NOT be tagged as 'X'?

- Ans
- 1. Acetaldehyde
  - 2. 3 - pentanone
  - 3. Butan - 2 - ol
  - 4. Isopropyl alcohol

Question ID : 6009291729

Status : Not Answered

Chosen Option : --

Q.56 The number of amphoteric oxides in the given list is:

$\text{Al}_2\text{O}_3, \text{MgO}, \text{SO}_3, \text{CO}, \text{Na}_2\text{O}, \text{N}_2\text{O}, \text{ZnO}, \text{CO}_2, \text{SO}_2, \text{CaO}$

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

Question ID : 6009291732

Status : Answered

Chosen Option : 3

Q.57 For the reaction shown:  $\text{HOBr} + \text{OH}^- \rightleftharpoons \text{H}_2\text{O} + \text{OBr}^-$

As per Bronsted - Lowry theory, the acidic species are:

- Ans
- 1.  $\text{OH}^-$  and  $\text{HOBr}$
  - 2.  $\text{OBr}^-$  and  $\text{HOBr}$
  - 3.  $\text{OBr}^-$  and  $\text{OH}^-$
  - 4.  $\text{H}_2\text{O}$  and  $\text{HOBr}$

Question ID : 6009291734

Status : Answered

Chosen Option : 2

Q.58 A person with myopic eye:

- Ans
- 1. cannot see near objects clearly
  - 2. can see far objects clearly with concave lens
  - 3. can see near objects clearly with concave lens only
  - 4. can see near objects clearly with convex lens only

Question ID : 6009291698

Status : Answered

Chosen Option : 2

Q.59 A botanist observed the leaves of a grapevine in her garden having chlorotic veins surrounding brown spots. Soil was taken for testing. Which of the following could be in excess in the soil?

- Ans
- 1. Magnesium
  - 2. Manganese
  - 3. Iron
  - 4. Calcium

Question ID : 6009291710  
Status : Not Answered  
Chosen Option : --

Q.60 In the presence of oxygen, a molecule of glucose produces \_\_\_\_\_ ATPs.

- Ans
- 1. 39
  - 2. 38
  - 3. 37.5
  - 4. 25

Question ID : 6009291690  
Status : Answered  
Chosen Option : 2

Q.61 The best structural construction of a dam would be across \_\_\_\_\_ to yield the best output of tidal energy.

- Ans
- 1. a narrow opening to the sea
  - 2. a wide opening to the sea
  - 3. the river in hilly terrains
  - 4. the river in plane areas

Question ID : 6009291764  
Status : Answered  
Chosen Option : 3

Q.62 Which of the following statements is true?

- Ans
- 1. Photorespiration helps synthesise ATP and NADPH
  - 2. Photorespiration takes place in C4 plants
  - 3. Photorespiration is a wasteful process
  - 4. RuBisco has higher affinity for oxygen than carbon dioxide

Question ID : 6009291694  
Status : Answered  
Chosen Option : 4

Q.63 Which of the following engineering segments usually includes lubricant materials?

- Ans
- 1. Intermetallics
  - 2. Carbides
  - 3. Metalloids
  - 4. Sulphides

Question ID : 6009291739  
Status : Answered  
Chosen Option : 4

Q.64 Which of the following is a true statement?

- Ans  1. The male and female strobili are borne on different trees in cycas
2. Pinus has small specialised coralloid roots which are associated with nitrogen fixing cyanobacteria
3. Selaginella and Salvinia are homosporous
4. Pteridophytes do not possess vascular tissue

Question ID : 6009291712  
Status : Answered  
Chosen Option : 1

Q.65 By the end of Meiosis 1, which of the following is true about daughter cell?

- Ans  1. Has four times the amount of DNA in comparison to haploid gamete
2. Has same amount of DNA as the parent cells in S-phase
3. Has twice the amount of DNA in comparison to haploid gamete
4. Has same amount of DNA in comparison to haploid gamete

Question ID : 6009291726  
Status : Answered  
Chosen Option : 3

Q.66 Corpus luteum, a ruptured follicle formed during the mid-menstrual cycle, secretes which of the following hormones?

- Ans  1. Progesterone
2. Luteinizing hormone
3. Oestrogen
4. FSH - Follicle stimulating hormone

Question ID : 6009291687  
Status : Answered  
Chosen Option : 2

Q.67 What is the function of the rings of cartilage in trachea?

- Ans  1. To prevent the collapse of airway
2. Helps in the exchange of gases with arterial blood
3. Helps in producing voice
4. To filter the inhaled air

Question ID : 6009291713  
Status : Answered  
Chosen Option : 2

Q.68 Which of the following is a barrier method of conception?

- Ans  1. Lactational amenorrhea
2. Condoms
3. Intrauterine devices (IUD) like Copper - T insertion
4. Coitus interruptus

Question ID : 6009291721  
Status : Answered  
Chosen Option : 2

Q.69 Pons is a part of:

- Ans
- 1. midbrain
  - 2. cerebrum
  - 3. hindbrain
  - 4. cerebellum

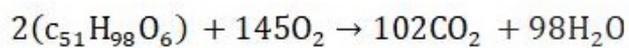
Question ID : 6009291714  
Status : Answered  
Chosen Option : 2

Q.70 What is the one key property, in which element with atomic number 19 carries, but element with atomic number 9 does not?

- Ans
- 1. Weak oxidising agent
  - 2. Strong oxidising agent
  - 3. Strong reducing agent
  - 4. Weak reducing agent

Question ID : 6009291761  
Status : Answered  
Chosen Option : 1

Q.71 Respiratory quotient of tripalmitin (fatty acid) is:



- Ans
- 1. 0.9
  - 2. 1.4
  - 3. 0.4
  - 4. 0.7

Question ID : 6009291724  
Status : Not Answered  
Chosen Option : --

Q.72 Some hormones form a 'receptor hormone' complex to influence the genome directly for a regulated gene expression. Which among the following is such a hormone?

- Ans
- 1. Epinephrine
  - 2. Glucagon
  - 3. Thyroid stimulating hormone
  - 4. Triiodothyronine

Question ID : 6009291719  
Status : Answered  
Chosen Option : 3

Q.73 An outcross is an offspring of mating:

- Ans
- 1. superior male of one breed and superior female of another breed
  - 2. superior males and females belonging to the same breed for 4 - 6 generations to produce pure lines
  - 3. animals belonging to different species
  - 4. animals belonging to the same breed but no common ancestors for 4 - 6 generations

Question ID : 6009291696

Status : Answered

Chosen Option : 4

Q.74 Choose the correct order of bond dissociation enthalpy of halogen group elements.

- Ans
- 1.  $I_2 > Br_2 > Cl_2 > F_2$
  - 2.  $I_2 < F_2 < Cl_2 < Br_2$
  - 3.  $I_2 < F_2 < Br_2 < Cl_2$
  - 4.  $I_2 < Br_2 < Cl_2 < F_2$

Question ID : 6009291747

Status : Answered

Chosen Option : 1

Q.75 In a university laboratory, a professor invented new metrics to determine reactivity of compounds. He would want to first check the sanity on his favourite Luca's Reagent. Which of these compounds would rank first among his metrics, if his metrics recognise the fastest reactants as best?

- Ans
- 1. 2 - pentanol
  - 2. 2 - Methylpropan - 2 - ol
  - 3. 1 - hexanol
  - 4. 2 - Methylpropan - 1 - ol

Question ID : 6009291740

Status : Not Answered

Chosen Option : --

Q.76 \_\_\_\_\_ is a mass of cells enclosed within the integuments of an ovule and has abundant reserve food material.

- Ans
- 1. Nucellus
  - 2. Micropyle
  - 3. Chalaza
  - 4. Hilum

Question ID : 6009291695

Status : Answered

Chosen Option : 1

Q.77 Which of the following contains a centre for cardiovascular reflex?

- Ans
- 1. Pons
  - 2. Medulla
  - 3. Cerebellum
  - 4. Midbrain

Question ID : 6009291693  
Status : Answered  
Chosen Option : 2

Q.78 Which of the following is NOT a mosquito borne disease?

- Ans
- 1. Malaria
  - 2. African sleeping sickness
  - 3. Yellow fever
  - 4. Chikungunya

Question ID : 6009291702  
Status : Answered  
Chosen Option : 2

Q.79 'QRS complex' in an ECG indicates:

- Ans
- 1. depolarisation of ventricle
  - 2. depolarisation of atria
  - 3. both repolarisation of ventricle and depolarisation of atria
  - 4. repolarisation of ventricle

Question ID : 6009291692  
Status : Answered  
Chosen Option : 3

Q.80 Aluminium takes the role of \_\_\_\_\_ in the famous alumina - thermite process.

- Ans
- 1. oxidising agent
  - 2. reducing agent
  - 3. solder
  - 4. flux

Question ID : 6009291745  
Status : Answered  
Chosen Option : 2

Q.81 Which of the following statements is NOT true about self-assessment?

Self-Assessment is necessary if the individual is to:

- Ans
- 1. have the motivation and insight to go on learning
  - 2. be able to set his/her own direction
  - 3. assess his/her peers effectively
  - 4. measure his/her progress

Question ID : 6009291778  
Status : Answered  
Chosen Option : 3

Q.82 An individual lesson plan can easily be planned on the basis of:

- Ans
- 1. peer evaluation
  - 2. self evaluation
  - 3. year plan
  - 4. unit plan

Question ID : 6009291776  
Status : Answered  
Chosen Option : 4

Q.83 Present day science curriculum in Indian schools is required to be based on the recommendations of the:

- Ans
- 1. National Curriculum Framework (2005)
  - 2. National Policy on Education (NEP-1968)
  - 3. Learning without Burden (Yashpal Committee)
  - 4. University Education Commission (1964-66)

Question ID : 6009291770  
Status : Answered  
Chosen Option : 1

Q.84 Which of the following terms is best suited to explain the Nature of Science?

- Ans
- 1. Truth
  - 2. Tentative
  - 3. Perfect
  - 4. Objective

Question ID : 6009291769  
Status : Answered  
Chosen Option : 4

Q.85 "Evaluation of Pi as 3.1416, evaluation of AP and GP series, square and cube roots of numbers, discovery of trigonometric sine, accurate calculation of (upto seventh decimal place) of days in solar year", are the achievements attributed to:

- Ans
- 1. Aryabhata
  - 2. Varahamihira
  - 3. Baudhayan
  - 4. Bhaskaracharya

Question ID : 6009291768  
Status : Answered  
Chosen Option : 1

Q.86 In order to succeed in communicating to the reader the reader's instructional intent, which of the following is needed?

- Ans
- 1. A Meaningfully Stated Objective
  - 2. Understanding of Policy Framework
  - 3. Understanding of the National Curriculum Framework
  - 4. Aims of Teaching

Question ID : 6009291773  
Status : Answered  
Chosen Option : 1

Q.87 The aims and objectives of Science Club does NOT necessarily include:

- Ans
- 1. development of creativity and scientific attitude
  - 2. development of public interest in science
  - 3. arousal of awareness of science
  - 4. encouragement of critical thinking

Question ID : 6009291783  
Status : Answered  
Chosen Option : 4

Q.88 Students are provided opportunity to develop concepts, principles and laws through first-hand experience before these ideas are discussed in the class. Which of the following is the best term related to the given statement?

- Ans
- 1. Demonstration Method
  - 2. Inductive Approach
  - 3. Deductive Approach
  - 4. Project Method

Question ID : 6009291775  
Status : Answered  
Chosen Option : 2

Q.89 Justification for Science in an educational setting suggests:

- Ans
- 1. taxonomy of educational objectives
  - 2. objectives of particular courses
  - 3. objectives of particular lessons
  - 4. aims of teaching science

Question ID : 6009291772  
Status : Answered  
Chosen Option : 4

Q.90 ' \_\_\_\_\_ ' is something that a learner will show when he/she demonstrates that he/she has achieved the required objective.

- Ans
- 1. Objective of particular course
  - 2. Observable behaviour
  - 3. Objective of particular lesson
  - 4. Taxonomy of educational objectives

Question ID : 6009291774  
Status : Answered  
Chosen Option : 3

Q.91 The aims and objectives of Science Fair necessarily include encouragement to:

- Ans
- 1. develop creativity and scientific attitude
  - 2. encourage critical thinking
  - 3. arouse awareness of science
  - 4. develop public interest in science

Question ID : 6009291784  
Status : Answered  
Chosen Option : 1

**Q.92 Planning for lesson design should enable the teachers to:**

- i. give individual attention to the learners
- ii. make alteration in a task depending on their learning needs
- iii. strictly follow the plan in delivering the contents
- iv. make alteration in a task depending on their interests

Select the best option on the basis of the above.

- Ans
- 1. ii,iii and iv
  - 2. i, iii and iv
  - 3. i, ii and iv
  - 4. i, ii and iii

Question ID : 6009291777  
Status : Answered  
Chosen Option : 4

**Q.93 Select the statement that is INCORRECT when thinking about the safety and first aid in science laboratories.**

- Ans
- 1. Safety of the apparatus is more important than the safety of the students and teachers.
  - 2. Safety kits such as fire extinguishers, sand bucket, rubber gloves, separate dustbins for dry and wet waste materials, etc. should be kept handy.
  - 3. First-aid box must be kept ready and timely replenishment of medicines must be ensured.
  - 4. Good discipline is necessary for smooth functioning of the laboratory work.

Question ID : 6009291781  
Status : Answered  
Chosen Option : 1

**Q.94 Use of computers in managing assessment benefits teaching-learning contexts by:**

- i. use of specialised software tools only
- ii. storing data on learners
- iii. storing data on assessment completed and their results
- iv. quick analysis of stored data

Select the best option on the basis of the above.

- Ans
- 1. i, ii and iv
  - 2. ii, iii and iv
  - 3. i, iii and iv
  - 4. i, ii and iii

Question ID : 6009291779  
Status : Answered  
Chosen Option : 2

**Q.95 Which of the following is true about assessment?**

- Ans
- 1. It should always be a competitive process.
  - 2. It is primarily concerned with providing guidance and feedback to the learners.
  - 3. Fear of failure is the best form of motivation.
  - 4. Assessment processes must be hidden from the learner.

Question ID : 6009291786  
Status : Answered  
Chosen Option : 2

**Q.96 Which of the following strategies can be counter-productive to a teacher's attempt in developing scientific vigour in her learners?**

- Ans
- 1. Revolutionary ideas
  - 2. Memorising facts
  - 3. Aversion to superstition
  - 4. Augmenting the spirit of inquiry

Question ID : 6009291767  
Status : Answered  
Chosen Option : 4

**Q.97 Some of the limitations of Bloom's taxonomy were addressed in the revised taxonomy by Anderson and Krathwohl. Which of the following did NOT change in the two?**

- Ans
- 1. Knowledge Dimension
  - 2. Behavioural Terms
  - 3. Six Tiers of Learning
  - 4. Cognitive Process Dimension

Question ID : 6009291771  
Status : Answered  
Chosen Option : 1

**Q.98 A textbook should function as a guide:**

- i. to construct understanding through active engagement with text, ideas, things, environment, and people
- ii. for transferring knowledge as a finished product
- iii. to lead the child to interact with the environment, peers and other people
- iv. not necessarily to cover the entire syllabus of one class/stage

Select the best option on the basis of the above.

- Ans
- 1. i, iii and iv
  - 2. i, ii and iv
  - 3. ii, iii and iv
  - 4. i, ii and iii

Question ID : 6009291782  
Status : Answered  
Chosen Option : 4

**Q.99 Which of the following statements is true in terms of short answer questions and the objective ones?**

- Ans
- 1. Short answer questions and objective tests are one and the same thing
  - 2. Objective tests are considered better than the short answer questions-based tests because they test a wider range of skills in more demanding way
  - 3. Both the short answer questions and objective tests are similar in terms of efficacy
  - 4. Short answer questions are considered better than the objective ones because they test a wider range of skills in a more demanding way

Question ID : 6009291785  
Status : Answered  
Chosen Option : 3

Q.100 ' \_\_\_\_\_ ' is the term that refers to construction of a teaching aid with simple available materials costing little or nothing.

- Ans
- 1. Improvisation
  - 2. Equipment
  - 3. Practicals
  - 4. Laboratories

Question ID : 6009291780  
Status : Answered  
Chosen Option : 4



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