रेल भर्ती बोर्ड / **RAILWAY RECRUITMENT BOARDS**

सी ई एन ०१/२०१९ - एन टी पी सी - **CEN 01/2019 - NTPC**

Participant ID	
Participant Name	
Test Center Name	iON DIGITAL Zone iDZ University Camp Area
Test Date	08/02/2021
Test Time	3:00 PM - 4:30 PM
Subject	NTPC

* Note
Correct Answer will carry 1 mark per Question.
Incorrect Answer will carry 1/3 Negative mark.

1. Options shown in green color with a tick icon are correct.
2. Chosen option on the right of the question indicates the option selected by the candidate.

Section : **NTPC**

Q.1 If the base of a cylinder is the same as that of a cone, and the height of the cylinder is also the same as that of the cone, then find the ratio of the volumes of the cylinder and the cone.

Ans ✗ 1. $1 : 3$

✗ 2. $3 : 2$

✗ 3. $2 : 3$

✓ 4. $3 : 1$

Question ID : **9489118965**
Option 1 ID : **94891135858**
Option 2 ID : **94891135860**
Option 3 ID : **94891135857**
Option 4 ID : **94891135859**
Status : **Not Answered**
Chosen Option : **--**

Q.2 A shopkeeper buys calculators in bulk for ₹550 each and sells them for ₹580 each. What is the approximate percentage profit?

Ans
✗ 1. 5.95%

✗ 2. 5%

✗ 3. 5.7%

✓ 4. 5.45%

Question ID : **9489118956**
Option 1 ID : **94891135823**
Option 2 ID : **94891135821**
Option 3 ID : **94891135822**
Option 4 ID : **94891135824**
Status : **Answered**
Chosen Option : **3**

Q.3 How many of the first 100 positive integers are divisible by 3 or 4 without a remainder?

Ans
✗ 1. 58

✗ 2. 85

✗ 3. 5

✓ 4. 50

Question ID : **9489118946**
Option 1 ID : **94891135781**
Option 2 ID : **94891135784**
Option 3 ID : **94891135783**
Option 4 ID : **94891135782**
Status : **Answered**
Chosen Option : **4**

Q.4 Which of the following countries is NOT a member of SAARC?

Ans
✗ 1. Afghanistan

✗ 2. Nepal

✓ 3. Malaysia

✗ 4. Pakistan

Question ID : **9489118533**
Option 1 ID : **94891134129**
Option 2 ID : **94891134131**
Option 3 ID : **94891134132**
Option 4 ID : **94891134130**
Status : **Answered**
Chosen Option : **3**

Q.5 During British rule, the Sharda Act was passed in 1929 for preventing _____.

Ans
✗ 1. Infanticide

✗ 2. Polygamy

✗ 3. the practice of sati

✔ 4. Child marriage

Question ID : **9489118527**
Option 1 ID : **94891134105**
Option 2 ID : **94891134107**
Option 3 ID : **94891134108**
Option 4 ID : **94891134106**
Status : **Answered**
Chosen Option : **4**

Q.6 Who is the father of binomial nomenclature of all species of living things?

Ans
✗ 1. Charles Darwin

✗ 2. James Watson

✗ 3. Louis Pasteur

✔ 4. Carolus Linnaeus

Question ID : **9489118513**
Option 1 ID : **94891134049**
Option 2 ID : **94891134051**
Option 3 ID : **94891134052**
Option 4 ID : **94891134050**
Status : **Answered**
Chosen Option : **3**

Q.7 From the given options, which country has the largest deposit of mica in the world?

Ans
✔ 1. India

✗ 2. South Africa

✗ 3. America

✗ 4. England

Question ID : **9489118524**
Option 1 ID : **94891134094**
Option 2 ID : **94891134096**
Option 3 ID : **94891134093**
Option 4 ID : **94891134095**
Status : **Not Answered**
Chosen Option : **--**

Q.8 As of October 2020, who is the Union Minister for Road Transport and Highways?

Ans
- ✗ 1. Sushma Swaraj
- ✗ 2. Piyush Goyal
- ✗ 3. Nirmala Sitharaman
- ✓ 4. Nitin Jairam Gadkari

Question ID : **9489118542**
Option 1 ID : **94891134165**
Option 2 ID : **94891134166**
Option 3 ID : **94891134168**
Option 4 ID : **94891134167**
Status : **Answered**
Chosen Option : **4**

Q.9 In which year was the National Human Rights Commission launched in India?

Ans
- ✗ 1. 2012
- ✗ 2. 1995
- ✓ 3. 1993
- ✗ 4. 2002

Question ID : **9489118541**
Option 1 ID : **94891134163**
Option 2 ID : **94891134162**
Option 3 ID : **94891134161**
Option 4 ID : **94891134164**
Status : **Answered**
Chosen Option : **2**

Q.10 Who was the court poet of King Harshavardhana?

Ans
- ✗ 1. Jayachandra
- ✗ 2. Vallal
- ✗ 3. Ananda Bhatta
- ✓ 4. Banabhatta

Question ID : **9489118517**
Option 1 ID : **94891134065**
Option 2 ID : **94891134067**
Option 3 ID : **94891134068**
Option 4 ID : **94891134066**
Status : **Not Answered**
Chosen Option : **--**

Q.11 Ustad Amjad Ali Khan plays which of the following instruments?

Ans
✗ 1. Shehnai
✔ 2. Sarod
✗ 3. Bansuri
✗ 4. Santoor

Question ID : **9489118508**
Option 1 ID : **94891134031**
Option 2 ID : **94891134029**
Option 3 ID : **94891134032**
Option 4 ID : **94891134030**
Status : **Answered**
Chosen Option : **4**

Q.12 Four words have been given, out of which three are alike in some manner and one is different. Select the odd one.

Peacock, Woodpecker, Parrot, Bat

Ans
✗ 1. Peacock
✔ 2. Bat
✗ 3. Woodpecker
✗ 4. Parrot

Question ID : **9489118803**
Option 1 ID : **94891135211**
Option 2 ID : **94891135210**
Option 3 ID : **94891135212**
Option 4 ID : **94891135209**
Status : **Answered**
Chosen Option : **2**

Q.13 There are 20 people in a party. If every person shakes hand with every other person, then what will be the total number of handshakes?

Ans
✗ 1. 155
✗ 2. 180
✗ 3. 145
✔ 4. 190

Question ID : **9489118953**
Option 1 ID : **94891135810**
Option 2 ID : **94891135809**
Option 3 ID : **94891135811**
Option 4 ID : **94891135812**
Status : **Answered**
Chosen Option : **4**

Q.14 Which equation would become correct if we interchange the signs '×' and '÷' as well as the digits '2' and '4'?

Ans

✗ 1. $2 \div 4 \times 14 = 60$

✗ 2. $12 \div 42 \times 4 = 160$

✔ 3. $12 \times 4 \div 42 = 168$

✗ 4. $42 \times 12 \div 2 = 20$

Question ID : **9489118786**
Option 1 ID : **94891135144**
Option 2 ID : **94891135143**
Option 3 ID : **94891135142**
Option 4 ID : **94891135141**
Status : **Answered**
Chosen Option : **1**

Q.15 Geeta is decorating the cover of her school magazine. She is allowed to use only three colours from a group of six colours (P, Q, R, S, T and U), based on the following conditions.

I. If P, Q or R is chosen, U cannot be chosen.

II. Either T or U must be chosen.

III. S and Q cannot be chosen together.

If R is chosen, which of the following pairs of colours must also be chosen?

Ans

✗ 1. QS

✔ 2. TS

✗ 3. PU

✗ 4. US

Question ID : **9489118801**
Option 1 ID : **94891135203**
Option 2 ID : **94891135201**
Option 3 ID : **94891135204**
Option 4 ID : **94891135202**
Status : **Answered**
Chosen Option : **3**

Q.16 The sum of two numbers is 20 and their product is 96. What is the difference between the two numbers?

Ans

✔ 1. 4

✗ 2. 5

✗ 3. 8

✗ 4. 6

Question ID : **9489118944**
Option 1 ID : **94891135776**
Option 2 ID : **94891135775**
Option 3 ID : **94891135773**
Option 4 ID : **94891135774**
Status : **Answered**
Chosen Option : **1**

Q.17 What will be the compound interest on a sum of ₹25,000 after 3 years at a rate of 12% per annum, compounded annually?

Ans ✗ 1. ₹1,048.20

✗ 2. ₹900.30

✗ 3. ₹9,720

✔ 4. ₹10,123.20

Question ID : **9489118957**
Option 1 ID : **94891135828**
Option 2 ID : **94891135825**
Option 3 ID : **94891135826**
Option 4 ID : **94891135827**
Status : **Answered**
Chosen Option : **1**

Q.18 Who was the first Secretary-General of the United Nations Organization (UNO)?

Ans ✗ 1. U Thant

✗ 2. Kurt Waldheim

✗ 3. Dag Hammarskjold

✔ 4. Trygve Lie

Question ID : **9489118535**
Option 1 ID : **94891134138**
Option 2 ID : **94891134140**
Option 3 ID : **94891134137**
Option 4 ID : **94891134139**
Status : **Answered**
Chosen Option : **4**

Q.19 Which of the following is a government initiated insurance scheme, administered by LIC, for rural landless households?

Ans ✔ 1. Aam Aadmi Bima Yojana

✗ 2. Rashtriya Swasthya Bima Yojana

✗ 3. Jeevan Umang Bima Yojana

✗ 4. Janashree Bima Yojana

Question ID : **9489118539**
Option 1 ID : **94891134155**
Option 2 ID : **94891134154**
Option 3 ID : **94891134156**
Option 4 ID : **94891134153**
Status : **Answered**
Chosen Option : **1**

Q.20 Which club won the 2019 FIFA Club World Cup?

Ans
✗ 1. Kashima Antlers
✗ 2. Monterrey
✗ 3. Flamengo
✔ 4. Liverpool

Question ID : **9489118506**
Option 1 ID : **94891134024**
Option 2 ID : **94891134023**
Option 3 ID : **94891134021**
Option 4 ID : **94891134022**
Status : **Answered**
Chosen Option : **4**

Q.21 Which of the following is NOT the capital of the corresponding country?

Ans
✗ 1. New Delhi, India
✔ 2. Sydney, Australia
✗ 3. Cairo, Egypt
✗ 4. Ottawa, Canada

Question ID : **9489118523**
Option 1 ID : **94891134089**
Option 2 ID : **94891134091**
Option 3 ID : **94891134090**
Option 4 ID : **94891134092**
Status : **Answered**
Chosen Option : **2**

Q.22 Which eminent English writer was awarded the Jnanpith Award in 2018?

Ans
✗ 1. Shankha Ghosh
✗ 2. Krishna Sobti
✗ 3. Raghuveer Chaudhary
✔ 4. Amitav Ghosh

Question ID : **9489118507**
Option 1 ID : **94891134027**
Option 2 ID : **94891134026**
Option 3 ID : **94891134028**
Option 4 ID : **94891134025**
Status : **Answered**
Chosen Option : **2**

Q.23 Who was the first person to walk on the Moon?

Ans

✗ 1. Katherine Johnson

✗ 2. Buzz Aldrin

✔ 3. Neil Armstrong

✗ 4. George Tailor

Question ID : **9489118530**
Option 1 ID : **94891134118**
Option 2 ID : **94891134117**
Option 3 ID : **94891134119**
Option 4 ID : **94891134120**
Status : **Answered**
Chosen Option : **3**

Q.24 Simplify the following.

$105 \div 5 \times 3 + 39 - 46$

Ans

✗ 1. 0

✔ 2. 56

✗ 3. 65

✗ 4. 10

Question ID : **9489118948**
Option 1 ID : **94891135789**
Option 2 ID : **94891135792**
Option 3 ID : **94891135790**
Option 4 ID : **94891135791**
Status : **Answered**
Chosen Option : **2**

Q.25 The cost price of 120 g of rice is the same as the selling price of 150 g of it. The percentage loss is:

Ans

✗ 1. 12.5% loss

✔ 2. 20% loss

✗ 3. 15% loss

✗ 4. 25% loss

Question ID : **9489118959**
Option 1 ID : **94891135835**
Option 2 ID : **94891135834**
Option 3 ID : **94891135836**
Option 4 ID : **94891135833**
Status : **Answered**
Chosen Option : **2**

Q.26 Choose the correct statement from the given options. The press in a democracy must:

Ans

✗ 1. be committed to the policies of the government

✗ 2.

highlight the achievements of the government without criticising its policies

✔ 3. be free and impartial

✗ 4. criticise the policies of the government

Question ID : **9489118528**
Option 1 ID : **94891134110**
Option 2 ID : **94891134111**
Option 3 ID : **94891134109**
Option 4 ID : **94891134112**
Status : **Answered**
Chosen Option : **3**

Q.27 If a : b = 3 : 4 and d : b = 4 : 3, then find the ratio of a to d.

Ans

✗ 1. 3 : 4

✔ 2. 9 : 16

✗ 3. 16 : 9

✗ 4. 4 : 3

Question ID : **9489118954**
Option 1 ID : **94891135813**
Option 2 ID : **94891135814**
Option 3 ID : **94891135816**
Option 4 ID : **94891135815**
Status : **Answered**
Chosen Option : **1**

Q.28 The largest number of four digits that is divisible by 12, 15 and 18 is:

Ans

✗ 1. 9000

✗ 2. 9750

✗ 3. 9450

✔ 4. 9900

Question ID : **9489118945**
Option 1 ID : **94891135780**
Option 2 ID : **94891135778**
Option 3 ID : **94891135779**
Option 4 ID : **94891135777**
Status : **Answered**
Chosen Option : **4**

Q.29 Four letter-clusters have been given, out of which three are alike in some manner and one is different. Select the odd one.

Ans

✗ 1. N J F

✔ 2. X S P

✗ 3. Q M I

✗ 4. W S O

Question ID : **9489118785**
Option 1 ID : **94891135137**
Option 2 ID : **94891135140**
Option 3 ID : **94891135138**
Option 4 ID : **94891135139**
Status : **Answered**
Chosen Option : **2**

Q.30 If the ratio of the radii of two spheres is 2 : 3, then the ratio of their surface areas will be:

Ans

✔ 1. 4 : 9

✗ 2. 2 : 9

✗ 3. 8 : 27

✗ 4. 4 : 3

Question ID : **9489118964**
Option 1 ID : **94891135854**
Option 2 ID : **94891135855**
Option 3 ID : **94891135856**
Option 4 ID : **94891135853**
Status : **Answered**
Chosen Option : **3**

Q.31 What is the full form of BHEL, the famous public sector unit of the Government of India?

Ans

✗ 1. Bharat Heavy Equipment Limited

✗ 2. Bhagalpur Heavy Electricals Limited

✗ 3. Bharatpur Heavy Engineering Limited

✔ 4. Bharat Heavy Electricals Limited

Question ID : **9489118543**
Option 1 ID : **94891134170**
Option 2 ID : **94891134169**
Option 3 ID : **94891134171**
Option 4 ID : **94891134172**
Status : **Answered**
Chosen Option : **4**

Q.32 If (2, −2) and (5, 2) are two consecutive vertices of a square, then the length of each side of the square will be:

Ans
✔ 1. 5 units
✘ 2. $5\sqrt{2}$ units
✘ 3. $\dfrac{5}{\sqrt{2}}$ units
✘ 4. $\sqrt{5}$ units

Question ID : **9489118969**
Option 1 ID : **94891135873**
Option 2 ID : **94891135875**
Option 3 ID : **94891135876**
Option 4 ID : **94891135874**
Status : **Not Answered**
Chosen Option : **--**

Q.33 If '+' means 'division', '−' means 'addition', '×' means 'subtraction' and '÷' means 'multiplication', then what will be the value of the following expression?

$\left(\dfrac{5}{2} \times 2\right) + (3 - 1)$

Ans
✘ 1. 3
✔ 2. 2
✘ 3. 16
✘ 4. 5

Question ID : **9489118788**
Option 1 ID : **94891135152**
Option 2 ID : **94891135149**
Option 3 ID : **94891135151**
Option 4 ID : **94891135150**
Status : **Answered**
Chosen Option : **2**

Q.34 Find the value of x if $\sqrt{1 + \dfrac{x}{144}} = \dfrac{13}{12}$.

Ans
✘ 1. 30
✘ 2. 16
✔ 3. 25
✘ 4. 20

Question ID : **9489118952**
Option 1 ID : **94891135808**
Option 2 ID : **94891135806**
Option 3 ID : **94891135807**
Option 4 ID : **94891135805**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.35 Four women Geeta, Anita, Monu and Reena are playing carrom. Anita is sitting opposite Monu and Reena is sitting opposite Geeta. If Anita is facing east, then in which direction is Monu facing?

Ans
✔ 1. West
✘ 2. East
✘ 3. South
✘ 4. North

Question ID : **9489118802**
Option 1 ID : **94891135208**
Option 2 ID : **94891135207**
Option 3 ID : **94891135206**
Option 4 ID : **94891135205**
Status : **Answered**
Chosen Option : **1**

Q.36 A can finish a work in 15 days and B can finish the same work in 20 days. Working together, in how many days can they finish the same work?

Ans
✘ 1. 12.57
✔ 2. 8.57
✘ 3. 20
✘ 4. 17.5

Question ID : **9489118961**
Option 1 ID : **94891135841**
Option 2 ID : **94891135844**
Option 3 ID : **94891135843**
Option 4 ID : **94891135842**
Status : **Answered**
Chosen Option : **2**

Q.37 Which two articles of the Constitution of India most clearly express the power of judicial review?

Ans
✘ 1. Article 21 and Article 446
✔ 2. Article 32 and Article 226
✘ 3. Article 44 and Article 152
✘ 4. Article 17 and Article 143

Question ID : **9489118529**
Option 1 ID : **94891134113**
Option 2 ID : **94891134114**
Option 3 ID : **94891134115**
Option 4 ID : **94891134116**
Status : **Not Answered**
Chosen Option : **--**

Q.38 Select the option with the INCORRECT full form for the corresponding acronyms.

Ans ✗ 1. C-DAC: Centre for Development of Advanced Computing

✔ 2.

CHOGM: Commonwealth Heads of Government Ministries

✗ 3.

CITES: Convention on International Trade in Endangered Species

✗ 4. CCI: Competition Commission of India

Question ID : **9489118538**
Option 1 ID : **94891134152**
Option 2 ID : **94891134150**
Option 3 ID : **94891134151**
Option 4 ID : **94891134149**
Status : **Answered**
Chosen Option : **2**

Q.39 Which of the following is a type of sedimentary rock?

Ans ✔ 1. Sandstone

✗ 2. Slate

✗ 3. Granite

✗ 4. Lignite

Question ID : **9489118525**
Option 1 ID : **94891134098**
Option 2 ID : **94891134099**
Option 3 ID : **94891134100**
Option 4 ID : **94891134097**
Status : **Not Answered**
Chosen Option : **--**

Q.40 Newton is the unit to measure _____.

Ans ✗ 1. pressure

✗ 2. resistance

✔ 3. force

✗ 4. power

Question ID : **9489118515**
Option 1 ID : **94891134057**
Option 2 ID : **94891134060**
Option 3 ID : **94891134058**
Option 4 ID : **94891134059**
Status : **Answered**
Chosen Option : **3**

Q.41 In a certain code language, 'WOLVERINE' is written as 'ZIOPHLLHH'. How will 'LOGAN' be written as in that code language?

Ans
- ✔ 1. OIJUQ
- ✘ 2. FQJUQ
- ✘ 3. FQADH
- ✘ 4. OIADH

Question ID : **9489118780**
Option 1 ID : **94891135119**
Option 2 ID : **94891135120**
Option 3 ID : **94891135117**
Option 4 ID : **94891135118**
Status : **Answered**
Chosen Option : **1**

Q.42 From the given options, which dynasty developed shipping ventures in Southeast Asia?

Ans
- ✘ 1. The Gupta Dynasty
- ✘ 2. The Chera Dynasty
- ✔ 3. The Chola Dynasty
- ✘ 4. The Chalukya Dynasty

Question ID : **9489118518**
Option 1 ID : **94891134070**
Option 2 ID : **94891134071**
Option 3 ID : **94891134069**
Option 4 ID : **94891134072**
Status : **Not Answered**
Chosen Option : **--**

Q.43 Where is the Red Panda Winter Carnival celebrated?

Ans
- ✘ 1. Nagaland
- ✘ 2. Rajasthan
- ✘ 3. Tamil Nadu
- ✔ 4. Sikkim

Question ID : **9489118510**
Option 1 ID : **94891134040**
Option 2 ID : **94891134037**
Option 3 ID : **94891134039**
Option 4 ID : **94891134038**
Status : **Not Answered**
Chosen Option : **--**

Q.44 Maddy reads three-fifth of a chapter consisting of 75 pages. How many more pages does he need to read to complete the chapter?
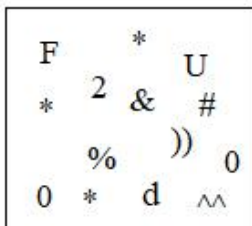
Ans
✗ 1. 15
✗ 2. 25
✗ 3. 20
✔ 4. 30

Question ID : **9489118951**
Option 1 ID : **94891135803**
Option 2 ID : **94891135804**
Option 3 ID : **94891135802**
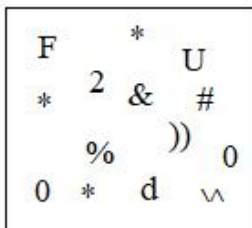Option 4 ID : **94891135801**
Status : **Answered**
Chosen Option : **4**

Q.45 Four figures have been given, out of which three are alike in some manner and one is different. Select the odd one.

Ans

✗ 1.

✔ 2.

✗ 3.

✗ 4.
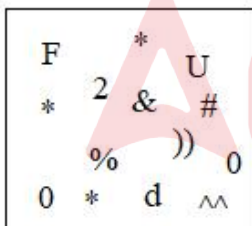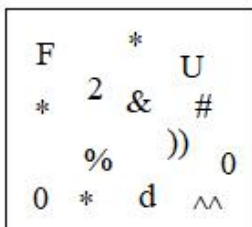
Question ID : **9489118794**
Option 1 ID : **94891135175**
Option 2 ID : **94891135173**
Option 3 ID : **94891135176**
Option 4 ID : **94891135174**
Status : **Answered**
Chosen Option : **2**

Q.46 The 'Seven Sisters of India' does NOT include which of the following states?

Ans ✗ 1. Meghalaya

✗ 2. Arunachal Pradesh

✗ 3. Nagaland

✔ 4. Sikkim

Question ID : **9489118522**
Option 1 ID : **94891134086**
Option 2 ID : **94891134085**
Option 3 ID : **94891134087**
Option 4 ID : **94891134088**
Status : **Answered**
Chosen Option : **4**

Q.47 What does the acronym SMPS stand for?

Ans ✔ 1. Switched-Mode Power Supply

✗ 2. Single-Mode Power Supply

✗ 3. Start-Mode Power Supply

✗ 4. Store-Mode Power Supply

Question ID : **9489118537**
Option 1 ID : **94891134145**
Option 2 ID : **94891134148**
Option 3 ID : **94891134146**
Option 4 ID : **94891134147**
Status : **Answered**
Chosen Option : **1**

Q.48 If $x \times y = x + y + \sqrt{xy}$, then the value of 6×24 will be:

Ans ✗ 1. 43

✗ 2. 41

✔ 3. 42

✗ 4. 44

Question ID : **9489118947**
Option 1 ID : **94891135787**
Option 2 ID : **94891135785**
Option 3 ID : **94891135786**
Option 4 ID : **94891135788**
Status : **Answered**
Chosen Option : **3**

Q.49 In a certain code language, 'FEATURE' is written as 'HICXWVG'. How will 'ALMOST' be written as in that code language?

Ans

❌ 1. CPOSWX

❌ 2. CNQQWX

✔️ 3. CPOSUX

❌ 4. CNQSWX

Question ID : **9489118779**
Option 1 ID : **94891135116**
Option 2 ID : **94891135114**
Option 3 ID : **94891135113**
Option 4 ID : **94891135115**
Status : **Answered**
Chosen Option : **3**

Q.50 Simplify the following.

$$\sqrt{2 + \sqrt{2 + 2\cos 4\theta}}$$

Ans

❌ 1. $\cos 2\theta$

❌ 2. $\cos\theta$

✔️ 3. $2\cos\theta$

❌ 4. $\sin\theta$

Question ID : **9489118972**
Option 1 ID : **94891135888**
Option 2 ID : **94891135885**
Option 3 ID : **94891135887**
Option 4 ID : **94891135886**
Status : **Not Answered**
Chosen Option : **--**

Q.51 A tradesman marks his goods 25% above the cost price and allows his customers a 12% reduction on their bills. What percentage profit does he make?

Ans

❌ 1. 12.5%

❌ 2. 14%

❌ 3. 18%

✔️ 4. 10%

Question ID : **9489118958**
Option 1 ID : **94891135832**
Option 2 ID : **94891135829**
Option 3 ID : **94891135831**
Option 4 ID : **94891135830**
Status : **Answered**
Chosen Option : **4**

Q.52 Four animals have been given, out of which three are alike in some manner and one is different. Select the odd one.

Ans
✗ 1. Lion

✗ 2. Tiger

✗ 3. Leopard

✔ 4. Fox

Question ID : **9489118795**
Option 1 ID : **94891135177**
Option 2 ID : **94891135178**
Option 3 ID : **94891135180**
Option 4 ID : **94891135179**
Status : **Answered**
Chosen Option : **4**

Q.53 The United Nations has _____ principal organs.

Ans
✗ 1. 8

✗ 2. 4

✔ 3. 6

✗ 4. 3

Question ID : **9489118534**
Option 1 ID : **94891134133**
Option 2 ID : **94891134136**
Option 3 ID : **94891134134**
Option 4 ID : **94891134135**
Status : **Answered**
Chosen Option : **1**

Q.54 Evaluate the following.

$$\cos^{-1}\left(\frac{1}{\sqrt{2}}\right) + \sec^{-1}\left(-\sqrt{2}\right)$$

Ans
✔ 1. π

✗ 2. $-\dfrac{\pi}{3}$

✗ 3. 0

✗ 4. $\dfrac{\pi}{3}$

Question ID : **9489118973**
Option 1 ID : **94891135892**
Option 2 ID : **94891135889**
Option 3 ID : **94891135890**
Option 4 ID : **94891135891**
Status : **Not Answered**
Chosen Option : **--**

Q.55 What is the median for the following series?

2, 5, 4, 1, 8

Ans
✗ 1. 3.5
✗ 2. 4.5
✔ 3. 4
✗ 4. 7

Question ID : **9489118968**
Option 1 ID : **94891135869**
Option 2 ID : **94891135871**
Option 3 ID : **94891135870**
Option 4 ID : **94891135872**
Status : **Answered**
Chosen Option : **3**

Q.56 A train is travelling at a speed of 45 km/h. Calculate the distance that will be covered by the train in 64 seconds.

Ans
✔ 1. 0.8 km
✗ 2. 4 km
✗ 3. 8 km
✗ 4. 2.94 km

Question ID : **9489118962**
Option 1 ID : **94891135845**
Option 2 ID : **94891135848**
Option 3 ID : **94891135846**
Option 4 ID : **94891135847**
Status : **Not Answered**
Chosen Option : **--**

Q.57 From the given options, select the developer of 'PARAM 10000', a supercomputer of Indian origin.

Ans
✗ 1. TATA
✔ 2. C-DAC, Pune
✗ 3. IIT Kanpur
✗ 4. IIT Kharagpur

Question ID : **9489118536**
Option 1 ID : **94891134141**
Option 2 ID : **94891134144**
Option 3 ID : **94891134143**
Option 4 ID : **94891134142**
Status : **Answered**
Chosen Option : **2**

Q.58 Four letter-clusters have been given, out of which three are alike in some manner and one is different. Select the odd one.

Ans ✅ 1. HLG

❌ 2. KQJ

❌ 3. RXQ

❌ 4. CIB

Question ID : **9489118793**
Option 1 ID : **94891135170**
Option 2 ID : **94891135172**
Option 3 ID : **94891135171**
Option 4 ID : **94891135169**
Status : **Answered**
Chosen Option : **1**

Q.59 The roots of the equation $x^2 - 7x + 12 = 0$ are:

Ans ✅ 1. 3, 4

❌ 2. 5, 6

❌ 3. 2, 3

❌ 4. 7, 8

Question ID : **9489118967**
Option 1 ID : **94891135866**
Option 2 ID : **94891135867**
Option 3 ID : **94891135865**
Option 4 ID : **94891135868**
Status : **Answered**
Chosen Option : **1**

Q.60 What was the Government of India Act 1935 based on?

Ans ❌ 1. The acceptance of the independence of India

❌ 2.
The acceptance of the idea of a constituent assembly to draft a constitution

✅ 3. The principle of a federation and parliamentary system

❌ 4. The principle of session of the British India provinces

Question ID : **9489118520**
Option 1 ID : **94891134078**
Option 2 ID : **94891134079**
Option 3 ID : **94891134080**
Option 4 ID : **94891134077**
Status : **Answered**
Chosen Option : **2**

Q.61 Which native Indian dynasty issued their own coins with portraits of their rulers on them?

Ans
✔ 1. The Satavahana Dynasty
✘ 2. The Peshwa Dynasty
✘ 3. The Pandya Dynasty
✘ 4. The Rashtrakuta Dynasty

Question ID : **9489118519**
Option 1 ID : **94891134075**
Option 2 ID : **94891134073**
Option 3 ID : **94891134074**
Option 4 ID : **94891134076**
Status : **Answered**
Chosen Option : **2**

Q.62 The study of cells is called _____.

Ans
✔ 1. cytology
✘ 2. serology
✘ 3. cytoplasm
✘ 4. etiology

Question ID : **9489118514**
Option 1 ID : **94891134053**
Option 2 ID : **94891134056**
Option 3 ID : **94891134054**
Option 4 ID : **94891134055**
Status : **Answered**
Chosen Option : **1**

Q.63 Pushkar Mela is held in Pushkar. Which district does it come under?

Ans
✘ 1. Kota
✔ 2. Ajmer
✘ 3. Amer
✘ 4. Bikaner

Question ID : **9489118509**
Option 1 ID : **94891134036**
Option 2 ID : **94891134035**
Option 3 ID : **94891134033**
Option 4 ID : **94891134034**
Status : **Answered**
Chosen Option : **2**

Q.64 The Government of India Constituted Narcotics Control Bureau in _____.

Ans ✗ 1. 1980

✗ 2. 1982

✗ 3. 1984

✔ 4. 1986

Question ID : **9489118505**
Option 1 ID : **94891134017**
Option 2 ID : **94891134018**
Option 3 ID : **94891134019**
Option 4 ID : **94891134020**
Status : **Answered**
Chosen Option : **4**

Q.65 Which of the following was introduced to separate electorates, to widen the gap between Hindus and Muslims?

Ans ✗ 1. The Rowlatt Act

✗ 2. Diarchy

✗ 3. The Ilbert Bill

✔ 4. The Morely-Minto Reforms

Question ID : **9489118521**
Option 1 ID : **94891134084**
Option 2 ID : **94891134082**
Option 3 ID : **94891134081**
Option 4 ID : **94891134083**
Status : **Answered**
Chosen Option : **4**

Q.66 If 58 out of 100 students in a school are boys, then express the part of the school that consists of boys in decimals.

Ans ✔ 1. 0.58

✗ 2. 0.85

✗ 3. 0.8

✗ 4. 0.5

Question ID : **9489118949**
Option 1 ID : **94891135793**
Option 2 ID : **94891135796**
Option 3 ID : **94891135795**
Option 4 ID : **94891135794**
Status : **Answered**
Chosen Option : **1**

Q.67 The LCM of two numbers is 96 and their HCF is 8. If one of the two numbers is 32, then what is the other number?

Ans
✗ 1. 28
✗ 2. 16
✗ 3. 48
✔ 4. 24

Question ID : **9489118950**
Option 1 ID : **94891135800**
Option 2 ID : **94891135799**
Option 3 ID : **94891135797**
Option 4 ID : **94891135798**
Status : **Answered**
Chosen Option : **3**

Q.68 Under which plan, for the first time, was the private sector given priority over the public sector?

Ans
✔ 1. Seventh Five-Year Plan
✗ 2. Sixth Five-Year Plan
✗ 3. Tenth Five-Year Plan
✗ 4. Second Five-Year Plan

Question ID : **9489118540**
Option 1 ID : **94891134157**
Option 2 ID : **94891134159**
Option 3 ID : **94891134158**
Option 4 ID : **94891134160**
Status : **Answered**
Chosen Option : **2**

Q.69 National Handloom day is celebrated every year on _____.

Ans
✗ 1. 19 January
✗ 2. 19 July
✗ 3. 15 August
✔ 4. 7 August

Question ID : **9489118504**
Option 1 ID : **94891134013**
Option 2 ID : **94891134016**
Option 3 ID : **94891134014**
Option 4 ID : **94891134015**
Status : **Answered**
Chosen Option : **2**

Q.70 Find the ninth term of an arithmetic progression with the first term as 5 and the common difference as 4.

Ans

✗ 1. 35

✗ 2. 39

✔ 3. 37

✗ 4. 41

Question ID : **9489118966**
Option 1 ID : **94891135863**
Option 2 ID : **94891135864**
Option 3 ID : **94891135862**
Option 4 ID : **94891135861**
Status : **Answered**
Chosen Option : **1**

Q.71 Fatima has only one sibling. She also has only one daughter Rushna. Rushna and Rameez are married to each other. Their maternal aunts are Maryam and Khadija, respectively. How is Khadija's mother related to Maryam's niece?

Ans

✗ 1. Mother's sister

✗ 2. Husband's mother

✗ 3. Mother's mother

✔ 4. Husband's mother's mother

Question ID : **9489118775**
Option 1 ID : **94891135097**
Option 2 ID : **94891135098**
Option 3 ID : **94891135099**
Option 4 ID : **94891135100**
Status : **Answered**
Chosen Option : **3**

Q.72 A bacterial population increases at the rate of 6% in the first 10 minutes and then 10% in the next 10 minutes. What is the overall percentage increase in the population at the end of 20 minutes?

Ans

✗ 1. 16%

✗ 2. 16.3%

✗ 3. 16.5%

✔ 4. 16.6%

Question ID : **9489118955**
Option 1 ID : **94891135817**
Option 2 ID : **94891135820**
Option 3 ID : **94891135818**
Option 4 ID : **94891135819**
Status : **Answered**
Chosen Option : **4**

Q.73 If the length of the tangent from $(2, 5)$ to $x^2 + y^2 - 5x + 4y + k = 0$ is $\sqrt{37}$ units, then the value of k is:

Ans
- ✗ 1. 2
- ✗ 2. 1
- ✔ 3. −2
- ✗ 4. −1

Question ID : **9489118971**
Option 1 ID : **94891135881**
Option 2 ID : **94891135882**
Option 3 ID : **94891135883**
Option 4 ID : **94891135884**
Status : **Not Answered**
Chosen Option : **--**

Q.74 _____ is the first synthetic fibre made by man.

Ans
- ✗ 1. Silicon
- ✔ 2. Nylon
- ✗ 3. Spandex
- ✗ 4. Acrylic

Question ID : **9489118511**
Option 1 ID : **94891134041**
Option 2 ID : **94891134044**
Option 3 ID : **94891134043**
Option 4 ID : **94891134042**
Status : **Answered**
Chosen Option : **2**

Q.75 In a certain code language, if 'UVW' is written as 'XYZ', then how will 'TRUE' be written as in that language?

Ans
- ✔ 1. WUXH
- ✗ 2. WESH
- ✗ 3. WUYX
- ✗ 4. WUZX

Question ID : **9489118799**
Option 1 ID : **94891135194**
Option 2 ID : **94891135193**
Option 3 ID : **94891135195**
Option 4 ID : **94891135196**
Status : **Answered**
Chosen Option : **1**

Q.76 Which of the following is NOT an eye condition/disease?

Ans ✗ 1. Glaucoma

✔ 2. Goiter

✗ 3. Cataract

✗ 4. Dry eye

Question ID : **9489118512**
Option 1 ID : **94891134046**
Option 2 ID : **94891134047**
Option 3 ID : **94891134045**
Option 4 ID : **94891134048**
Status : **Answered**
Chosen Option : **2**

Q.77 In a certain code language, if 'KANPUR' is written as 'LZOOVQ', then how will 'LUCKNOW' be written as in that language?

Ans ✗ 1. MDTJONX

✔ 2. MTDJONX

✗ 3. MTDNXOJ

✗ 4. MDTNOXJ

Question ID : **9489118778**
Option 1 ID : **94891135109**
Option 2 ID : **94891135112**
Option 3 ID : **94891135111**
Option 4 ID : **94891135110**
Status : **Answered**
Chosen Option : **2**

Q.78 A alone can complete a work in 12 days and B alone can complete the same work in 18 days. They started working together, but A left after 3 days. In how many days will B alone be able to complete the remaining work?

Ans ✗ 1. 13.5

✗ 2. 15

✔ 3. 10.5

✗ 4. 21

Question ID : **9489118963**
Option 1 ID : **94891135851**
Option 2 ID : **94891135852**
Option 3 ID : **94891135849**
Option 4 ID : **94891135850**
Status : **Answered**
Chosen Option : **3**

Q.79 What do you call the process of erosion due to the action of snow?

Ans ✔ 1. Nivation

✘ 2. Moraine-formation

✘ 3. Bio-erosion

✘ 4. Sedimentation

Question ID : **9489118526**
Option 1 ID : **94891134103**
Option 2 ID : **94891134101**
Option 3 ID : **94891134104**
Option 4 ID : **94891134102**
Status : **Not Answered**
Chosen Option : **--**

Q.80 The ratio of A's salary to that of B was 4 : 5. A's salary got increased by 10% and B's salary got increased by 20%. What is the ratio of A's salary to that of B now?

Ans ✘ 1. 15 : 14

✘ 2. 11 : 14

✘ 3. 14 : 11

✔ 4. 11 : 15

Question ID : **9489118960**
Option 1 ID : **94891135838**
Option 2 ID : **94891135840**
Option 3 ID : **94891135837**
Option 4 ID : **94891135839**
Status : **Answered**
Chosen Option : **4**

Q.81 The equation of the line passing through (2, 3) and perpendicular to the line joining (−5, 6) and (−6, 5) is:

Ans ✔ 1. $x + y - 5 = 0$

✘ 2. $x - y - 5 = 0$

✘ 3. $x + y + 5 = 0$

✘ 4. $x - y + 5 = 0$

Question ID : **9489118970**
Option 1 ID : **94891135880**
Option 2 ID : **94891135877**
Option 3 ID : **94891135879**
Option 4 ID : **94891135878**
Status : **Answered**
Chosen Option : **4**

Q.82 From the given options, which is India's first indigenously built nuclear-armed submarine?

Ans
✗ 1. INS Chakra
✗ 2. INS Kalvari
✓ 3. INS Arihant
✗ 4. INS Khukhri

Question ID : **9489118531**
Option 1 ID : **94891134124**
Option 2 ID : **94891134122**
Option 3 ID : **94891134123**
Option 4 ID : **94891134121**
Status : **Answered**
Chosen Option : **2**

Q.83 Select the most appropriate description about the given set of words.

Pamphlets, Newspapers, Radio

Ans
✗ 1. All are means of global news.
✗ 2. All are means of broadcast media.
✓ 3. All are means of spreading information.
✗ 4. All are means of print media.

Question ID : **9489118777**
Option 1 ID : **94891135106**
Option 2 ID : **94891135108**
Option 3 ID : **94891135105**
Option 4 ID : **94891135107**
Status : **Answered**
Chosen Option : **3**

Q.84 Who formulated the equation $E = mc^2$?

Ans
✗ 1. Marie Curie
✗ 2. Stephen Hawking
✓ 3. Albert Einstein
✗ 4. Isaac Newton

Question ID : **9489118516**
Option 1 ID : **94891134064**
Option 2 ID : **94891134062**
Option 3 ID : **94891134063**
Option 4 ID : **94891134061**
Status : **Answered**
Chosen Option : **3**

Q.85 What is 'Bhuvan'?

Ans

✗ 1.

A mini satellite launched by ISRO for promoting distance education in India.

✗ 2. A space telescope developed by India.

✗ 3.

The name given to the Moon Impact Probe for Chandrayaan-2.

✓ 4. A geo-portal of ISRO with 3D imaging capabilities.

Question ID : **9489118532**
Option 1 ID : **94891134125**
Option 2 ID : **94891134128**
Option 3 ID : **94891134126**
Option 4 ID : **94891134127**
Status : **Answered**
Chosen Option : **4**

Q.86 The following line graph shows the population (in million) of Istanbul over 6 years (from 2013 to 2018).

Answer the given question based on the line graph.
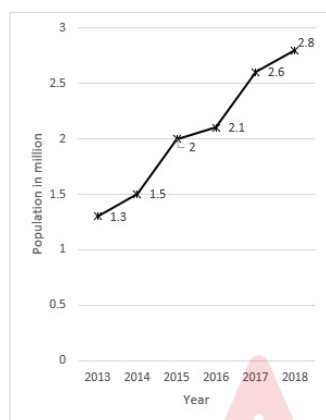
What is the approximate percentage increase in the population of Istanbul from 2013 to 2018?

Ans ✗ 1. 130%

✗ 2. 120%

✗ 3. 118%

✓ 4. 115%

Question ID : **9489118789**
Option 1 ID : **94891135156**
Option 2 ID : **94891135153**
Option 3 ID : **94891135155**
Option 4 ID : **94891135154**
Status : **Answered**
Chosen Option : **4**

Q.87 The following pie-chart shows the percentage distribution of the expenditure incurred by a company in manufacturing electric kettles. Answer the given question based on the pie-chart.
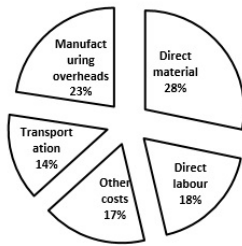
If for manufacturing a certain quantity of electric kettles, the company has to pay ₹56,000 towards direct material cost, then how much will be the manufacturing overhead cost?

Ans
✗ 1. ₹35,000

✗ 2. ₹50,000

✗ 3. ₹40,000

✔ 4. ₹46,000

Question ID : **9489118790**
Option 1 ID : **94891135159**
Option 2 ID : **94891135158**
Option 3 ID : **94891135160**
Option 4 ID : **94891135157**
Status : **Answered**
Chosen Option : **4**

Q.88 The following bar graph shows the increase in the production of corn (in tons) over 4 years (from 2012 to 2015). Answer the given question based on the bar graph.
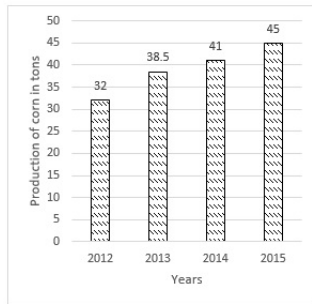
What is the percentage increase (upto two decimal points) in the production of corn in 2015 as compared to the previous year?

Ans

✗ 1. 10.10%

✗ 2. 8.58%

✔ 3. 9.75%

✗ 4. 9.26%

Question ID : **9489118791**
Option 1 ID : **94891135162**
Option 2 ID : **94891135163**
Option 3 ID : **94891135161**
Option 4 ID : **94891135164**
Status : **Answered**
Chosen Option : **3**

Q.89 The following line graph shows the quantity of digital watches manufactured by two companies X and Y over 6 years (from 2014 to 2019). Answer the given question based on the line graph.

In which year is the absolute difference between the quantity of watches manufactured by company X and company Y the maximum?

Ans ✗ 1. 2016

✗ 2. 2019

✓ 3. 2017

✗ 4. 2018

Question ID : **9489118792**
Option 1 ID : **94891135166**
Option 2 ID : **94891135167**
Option 3 ID : **94891135165**
Option 4 ID : **94891135168**
Status : **Answered**
Chosen Option : **3**

Q.90 Select the combination of mathematical signs that when sequentially placed in the blanks of the given equation will balance the equation.

12 _ 3 _ 12 _ 24

Ans ✓ 1. × − =

✗ 2. × = ÷

✗ 3. × = −

✗ 4. ÷ + =

Question ID : **9489118784**
Option 1 ID : **94891135135**
Option 2 ID : **94891135133**
Option 3 ID : **94891135134**
Option 4 ID : **94891135136**
Status : **Answered**
Chosen Option : **1**

Q.91 Select the Venn diagram that best represents the relationship between the following classes.

Envy, Fear, Emotion.

Ans

✗ 1.

✗ 2.

✔ 3.

✗ 4.
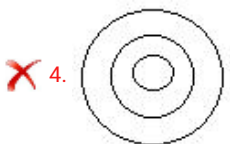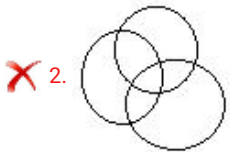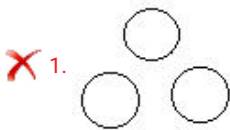
Question ID : **9489118797**
Option 1 ID : **94891135188**
Option 2 ID : **94891135186**
Option 3 ID : **94891135187**
Option 4 ID : **94891135185**
Status : **Not Answered**
Chosen Option : **--**

Q.92 A, B, C, D, F and H are the names of three flowers, one fruit and two animals. A and B are not flowers. D is neither a fruit nor a flower. A is not an animal. Which one among the following is the animal?

Ans
✔ 1. B
✗ 2. H
✗ 3. F
✗ 4. C

Question ID : **9489118800**
Option 1 ID : **94891135200**
Option 2 ID : **94891135197**
Option 3 ID : **94891135198**
Option 4 ID : **94891135199**
Status : **Answered**
Chosen Option : **1**

Q.93 Abie and Jack are father and son, respectively. Jack is the grandson of Paulino. Sabrina and Martha are daughter and mother, respectively. Sabrina is the grand-daughter of Agatha. If Agatha and Paulino are married and have a single child, how is Jack related to Sabrina?

Ans ✗ 1. Husband

✔ 2. Brother

✗ 3. Father

✗ 4. Uncle

Question ID : **9489118776**
Option 1 ID : **94891135101**
Option 2 ID : **94891135103**
Option 3 ID : **94891135104**
Option 4 ID : **94891135102**
Status : **Answered**
Chosen Option : **1**

Q.94 Select the alphanumeric-cluster that can replace the question mark (?) in the following series?

S-81, Q-64, ? , M-36, K-25

Ans ✔ 1. O-49

✗ 2. P-42

✗ 3. M-52

✗ 4. K-40

Question ID : **9489118787**
Option 1 ID : **94891135146**
Option 2 ID : **94891135145**
Option 3 ID : **94891135147**
Option 4 ID : **94891135148**
Status : **Answered**
Chosen Option : **1**

Q.95 Select the number that can replace the question mark (?) in the following series.

18, 31, 44, 57, 70, ?

Ans ✔ 1. 83

✗ 2. 88

✗ 3. 91

✗ 4. 84

Question ID : **9489118783**
Option 1 ID : **94891135130**
Option 2 ID : **94891135132**
Option 3 ID : **94891135131**
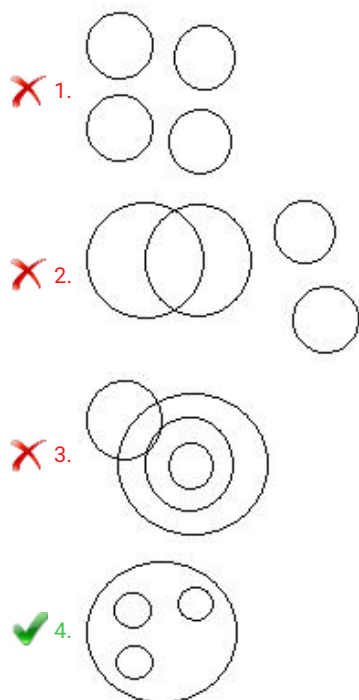Option 4 ID : **94891135129**
Status : **Answered**
Chosen Option : **1**

Q.96 Select the Venn diagram that best represents the relationship between the following classes.

Books, Textbooks, Novels, Notebooks.

Ans

✗ 1.

✗ 2.

✗ 3.

✔ 4.

Question ID : **9489118796**
Option 1 ID : **94891135183**
Option 2 ID : **94891135182**
Option 3 ID : **94891135184**
Option 4 ID : **94891135181**
Status : **Answered**
Chosen Option : **4**

Q.97 Without assuming anything beyond the information given, select the correct nature of relationship between the two events A and B.

Event A: Ronit went to the dentist.

Event B: Ronit had a toothache.

Ans ✗ 1.

Event B is the effect and event A is its immediate and principal cause.

✗ 2.

Event A is the effect but event B is not its immediate and principal cause.

✗ 3.

Event B is the effect but event A is not its immediate and principal cause.

✔ 4.

Event A is the effect and event B is its immediate and principal cause.

Question ID : **9489118781**
Option 1 ID : **94891135122**
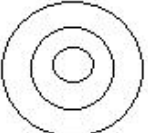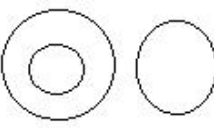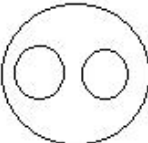Option 2 ID : **94891135123**
Option 3 ID : **94891135124**
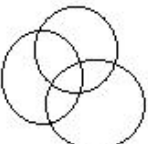Option 4 ID : **94891135121**
Status : **Answered**
Chosen Option : **4**

Q.98 Select the Venn diagram that best represents the relationship between the following classes.

Institution, Hospital, University.

Ans

✗ 1.

✗ 2.

✓ 3.

✗ 4.

Q.99 Without assuming anything beyond the information given, select the correct nature of relationship between the two events A and B.

Event A: The teacher gave Zara severe punishment.

Event B: Zara's parents have spoilt her.

Ans

✓ 1.

Event A is the effect but event B is not its immediate and principal cause.

✗ 2.

Event B is the effect and event A is its immediate and principal cause.

✗ 3.

Event B is the effect but event A is not its immediate and principal cause.

✗ 4.

Event A is the effect and event B is its immediate and principal cause.

Q.100 Rakesh is Maternal grandfather of Radha and Paternal grandfather of Prerana. Rakesh has only two children, Raman and Radha's mother. How is Prerna related to Raman?

Ans ✗ 1. Aunt

✔ 2. Daughter

✗ 3. Niece

✗ 4. Wife

Question ID : **9489118774**
Option 1 ID : **94891135096**
Option 2 ID : **94891135095**
Option 3 ID : **94891135093**
Option 4 ID : **94891135094**
Status : **Answered**
Chosen Option : **2**

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