



RRB 2011 Patna

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Instructions

For the following questions answer them individually

Question 1

Name the director of the film 'Satya'

- A David Dhawan
- B J. P Dutta
- C Mani Ratnam
- D Ramgopal Verma

Answer: D

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Question 2

Which of the following is NOT a chemical change ?

- A Burning coal
- B Curdling of milk
- C Melting of ice
- D Digestion of food

Answer: C

Question 3

In the game of cricket, the two sets of wickets are

- A 18 yards apart
- B 20 yards apart
- C 22 yards apart
- D 24 yards apart

Answer: C

Question 4

The soil formed in the dry region of Rajasthan is

- A Desert soil
- B Mountain soil
- C Black soil
- D Red soil

Answer: A

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Question 5

What does SSL stand for

- A Secure Socket Layer
- B System Socket Layer
- C Superuser System Login
- D Secure System Login

Answer: A

Question 6

The highest civilian award of India 'Bharat Ratna' has been awarded to

- A Abdul Ghaffar Khan
- B Mikhail Gorbachev
- C Marshal Tito
- D Abdul Wali Khan

Answer: A

Question 7

The first Indian to receive Noble Prize in Literature is

- A Mother Teresa
- B C. V. Raman
- C Rabindranath Tagore
- D Sarojini Naidu

Answer: C

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Question 8

Who is the author of 'The Three Musketeers' ?

- A Miguel De Cervantes Saaverda
- B William Shakespeare
- C Alexander Dumas
- D Robert L. B. Stevenson

Answer: C

Question 9

'Safdar Hashmi' is a name associated with

- A Instrumental music
- B Painting
- C Journalism
- D Drama

Answer: D

Question 10

'Tigerwood' is

- A Polo champion
- B Golf champion

- C Pole vault champion
- D Bantam weight boxer

Answer: B

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Question 11

Which Guru started 'Langar' (Community Kitchen) ?

- A Guru Angad Sahib Ji
- B Guru Nanak Sahib Ji
- C Guru Amar Das Ji
- D Guru Ram Ji

Answer: B

Question 12

What is the name of 'new administrative capital' of Myanmar ?

- A Bassein
- B Mandalay
- C Myitkyina
- D Pyinmana

Answer: D

Question 13

Who among the following is known for his work on medicine during the Gupta period ?

- A Saumilla
- B Sudraka
- C Shaunaka
- D Susrutha

Answer: D



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Question 14

'Harare is the capital of

- A Cuba
- B Zimbabwe
- C Zambia
- D South Africa

Answer: B

Question 15

The lead character in the film 'The Bandit Queen' has been played by

- A Rupa Ganguly
- B Seema Biswas
- C Pratiba Sinha
- D Shabana Azmi

Answer: B

Question 16

Who amongst the following is the 'Governor' of the Reserve Bank of India at present ?

- A Sam Pitroda
- B Dr. M. S. Ahluwalia
- C Dr. D. Subba Rao
- D Rakesh Mohan

Answer: C

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Question 17

Who directed the film 'Sardar' ?

- A Das Gupta
- B Shyam Benegal
- C Tapan Sinha
- D Ketan Mehta

Answer: D

Question 18

The famous book 'Anandmath' has been authored by

- A Bankim Chandra Chattopadhyaya
- B Rabindranath Tagore
- C Sarojini Naidu
- D Sri Aurobindo

Answer: A

Question 19

Who among the following have NOT been the Union Finance Ministers of India ?

- A V.P. Singh
- B Sharad Pawar
- C Y.B. Chavan
- D Pranab Mukherjee

Answer: B

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Question 20

'Silicon Valley' is famous for

- A Silicon Production
- B River Valley
- C Computer Software
- D Environment Conservation

Answer: C

Question 21

Who amongst the following was the President of Constituent Assembly ?

- A B. R. Ambedkar
- B J. B. Kripalani
- C Jawaharlal Nehru
- D Dr. Rajendra Prasad

Answer: D

Question 22

The Indian financial year begins on

- A January 1st
- B April 1st
- C June 1st
- D March 2st

Answer: B

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Question 23

The cheapest mode of transport in India is

- A Roadways
- B Waterways

C Railways

D Airways

Answer: B

Question 24

Commonwealth Games 2010 Anthem was

A Jeeyo, Utho, Badho, Jeeto

B Come out and play

C One people, one cause

D Jana, Gana, Mana

Answer: A

Question 25

What was 'Kamagata Maru' ?

A A political Party based in Taiwan

B Peasant communist leader of China

C A naval Ship on voyage to Canada

D A Chinese village where Mao Tse Tung began his long march

Answer: C

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Question 26

Which of the following folk dance forms is associated with Gujarat ?

A Nautanki

B Garba

C Kathakali

D Bhangra

Answer: B

Question 27

Which of the following is not written by Munshi Premchand ?

- A Gaban
- B Godan
- C Karmabhoomi
- D Rag Darbari

Answer: D

Question 28

'Bar' is the unit of

- A Heat
- B Temperature
- C Current
- D Atmospheric Pressure

Answer: D

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Question 29

'Dandia' is a popular dance of

- A Punjab
- B Gujarat
- C Tamil Nadu
- D Maharashtra

Answer: B

Question 30

The author of the play/book 'Ratnawali' is

- A Tulsidas
- B Kalidas
- C Harsha Vardhan
- D Prem Chand

Answer: C

Question 31

This footballer was awarded the 2011 FIFA Ballon d' Or on 9 January 2012 in Zurich. Identify the footballer.

- A Cristiano Ronaldo
- B Xavi
- C Sergio Ramos
- D Lionel Messi

Answer: D

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Question 32

Which famous movement did Mahatma Gandhi launch in August, 1942 ?

- A Quit India Movement
- B Non-cooperation Movement
- C Indian National Movement
- D Civil Disobedience Movement

Answer: A

Question 33

Who is the wife of 'Ravana' ?

- A Shrutakirti
- B Simhika

- C Mandavi
- D Mandodari

Answer: D

Question 34

Which one of the following became first state in India to offer Air taxi services ?

- A Bihar
- B Madhya Pradesh
- C Kerala
- D Haryana

Answer: B

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Question 35

'Indian Community Welfare Fund (ICWF) was set up to help Emigrant Indian National Distress. Which one of the following ministries set up ICWF ?

- A Ministry of Overseas Indian Affairs
- B Ministry of External Affairs
- C Ministry of Environment and Forests
- D Home Ministry

Answer: A

Question 36

UP state government banned the releases of Hindi film 'Aarakshan'. The movie is directed by

- A Prakash Jha
- B Karan Jauhar
- C Shahrukh Khan
- D Amitabh Bachchan

Answer: A

Question 37

Restoration work on which of the following tombs in New Delhi led to the discovery of the country's oldest sunken garden ?

- A Isa Khan's tomb
- B Humayun's tomb
- C Safdarjang tomb
- D Sultan Garhi tomb

Answer: A

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Question 38

The 'Rath Yatra' at Puri is celebrated in honour of which Hindu deity ?

- A Ram
- B Jagannath
- C Shiva
- D Vishnu

Answer: B

Question 39

Which is known as 'Garden City of India' ?

- A Trivandrum
- B Imphal
- C Simla
- D Bangalore

Answer: D

Question 40

Which state or union territory has French as an official language ?

- A Goa
- B Lakshadweep
- C Pondicherry
- D Diu and Daman

Answer: C

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Question 41

Which one of the following High Courts has the Territorial Jurisdiction over Andaman and Nicobar Islands ?

- A Andhra Pradesh
- B Kolkata
- C Madras
- D Orissa

Answer: B

Question 42

'Sahitya Akademi' is located at

- A Mumbai
- B Chennai
- C New Delhi
- D Kolkata

Answer: C

Question 43

In the epic Ramayana, which bird tried to prevent Ravana from carrying Sita away ?

- A Vibhishan
- B Jatayu
- C Garuda
- D Bhulinga

Answer: B

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Question 44

The greeting 'Jai Hind' was started by which famous person ?

- A Pandit Jawaharlal Nehru
- B Mohandas Karamchand Gandhi
- C Subhash Chandra Bose
- D Bal Gangadhar Tilak

Answer: C

Question 45

'Thumba' in Kerala is famous because-

- A It has several industries
- B It has a rocket launching station
- C It is a harbour
- D It has an international airport

Answer: B

Question 46

'Light year' is related to

- A Energy
- B Speed

C Distance

D Intensity

Answer: C

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Question 47

The capital of India was transferred from Kolkata to Delhi in

A 1858

B 1911

C 1923

D 1943

Answer: B

Question 48

Where is the volcanic mountain, 'Mt. St. Helen' located ?

A Chili

B Japan

C Philipines

D United States of America

Answer: D

Question 49

'Oncology is the study of

A Birds

B Cancer

C Mammals

D Soil

Answer: B

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Question 50

Which of these places grow apples in abundance ?

- A Manali
- B Leh
- C Ooty
- D Kodaikanal

Answer: B

Question 51

'Blaze Pascal' is associated with

- A Calculating machine
- B Computer
- C Cinema
- D Light

Answer: A

Question 52

Which important human right is protected in Article 21 of the Constitution of India ?

- A Right to Equality
- B Right to Freedom of Religion
- C Right to Freedom of Speech and Expression
- D Right to Life and Liberty

Answer: D

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Question 53

Which one of the following was the first fort constructed by the British in India ?

- A Fort William
- B Fort St. George
- C Fort St. David
- D Fort St. Angelo

Answer: B

Question 54

What is the number of States in India

- A 14
- B 16
- C 25
- D 28

Answer: D

Question 55

Which of the following four Vedas deals with magical formula and withcraft ?

- A Rig Veda
- B Yajur Veda
- C Atharva Veda
- D Sam Veda

Answer: C

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Question 56

Who among the following was endowed with special sight to narrate the wars to Dhritrashtra ?

- A Bhalikha
- B Vidur
- C Sanjay
- D Kripacharya

Answer: C

Question 57

Which of the following contains 'Gayatri Mantra' ?

- A Rig Veda
- B Yajur Veda
- C Upanishad
- D Kripacharya

Answer: A

Question 58

The first scholar to use Urdu as the medium of expression for poetry was

- A Amir Khusro
- B Mirza Ghalib
- C Bahadur Shah Zafar
- D Faiz

Answer: A

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Question 59

Yosuf Raza Gilani is--

- A Prime Minister of Afghanistan
- B President of Iraq

C Prime Minister of Pakistan

D President of Pakistan

Answer: C

Question 60

The author of Harry Potter series is

A K K Rowling

B K J Rowling

C J K Rowling

D A K Rowling

Answer: C

Question 61

Which of the following States has the least density of population ?

A Himachal Pradesh

B Meghalaya

C Arunachal Pradesh

D Sikim

Answer: C

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Question 62

The song 'Amaar Sonar Bangla' composed during the Swadeshi Movement of India inspired the struggle for liberation of Bangladesh and its was adopted as National Anthem by Bangladesh. Who had composed this song ?

A Rajanikant Sen

B Dwijendra Lal Roy

C Mukund Das

D Rabrindranath Tagore

Answer: D

Question 63

Which famous Sanskrit Scholar wrote the 'Sacred Books of the East' ?

A Max Muellar

B Tilak

C William Jones

D Lala Lajpat Roy

Answer: A

Question 64

Arthashastra is written by

A Kalidas

B Kautilya

C Abdul Fazal

D Shah Firdausi

Answer: B

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Question 65

Who was the first captain of Indian test cricket team ?

A Vijay Hazare

B C. K. Nayudu

C Lala Amarnath

D Vijay Merchant

Answer: B

Question 66

Who was the Mughal emperor to introduce the custom of "Jharokha Darsan" ?

- A Akbar
- B Hamayun
- C Babur
- D Jahangir

Answer: A

Question 67

Which one of the following territories was NOT affected by the Revolt of 1857 ?

- A Jhansi
- B Chennai
- C Jagdishpur
- D Lucknow

Answer: B

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Question 68

The present U.N. Secretary General is

- A Kofi Annan
- B Trygve Lie
- C Ban Ki-moon
- D Shashi Tharoor

Answer: C

Question 69

Vitamin 'A' is necessary in our body for

- A Prevention of blood clotting
- B Haemoglobin synthesis
- C Proper vision
- D Improving digestion

Answer: C

Question 70

Which one of the following monuments has a dome which is said to be one of the largest in the world ?

- A Tomb of Sher Shah, Sasaram
- B Jama Masjid, Delhi
- C Tomb of Ghiyas-ud-din Tughlaq, Delhi
- D Gol Gumbaz, Bijapur

Answer: D

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Question 71

The Commerce Ministry has approved the proposal of a company to set up a Special Economic Zone (SEZ) in Indore, Madhya Pradesh. Identify the company

- A Reliance Industries
- B Tata Consultancy Services (TCS)
- C Hero Motors
- D Infosys

Answer: B

Question 72

The Judge of High Court retire at the age of

- A 60 years

B 62 years

C 65 years

D 70 years

Answer: C

Question 73

The Prime Minister of Trinidad and Tobago visited India in January 2012. The Prime Minister of Trinidad and Tobago is

A Kamla Persad Bissessar

B Hosni Mubarak

C Manmohan Singh

D Naresh Goyal

Answer: A

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Question 74

'Amir Khusro' was the court poet of--

A Akbar

B Giasuddin Balban

C Jahangir

D Alauddin Khilji

Answer: D

Question 75

The Union Council of Ministers in India is responsible to

A Parliament

B Lok Sabha

C Rajya Sabha

D Speaker

Answer: B

Question 76

The World Future Energy Summit was organised in

A Abu Dhabi

B New Delhi

C Tehran

D Dhaka

Answer: A

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Question 77

The 'Memogate Scandal' is associated with which of the following countries ?

A Pakistan

B Sri Lanka

C China

D India

Answer: A

Question 78

Rashtriya Sanskrit Sansthan and International Association of Sanskrit studies jointly organised the 15th World Sanskrit Conference from 5 to 10 January 2012, at Vigyan Bhavan in New Delhi. Where was the 14th World Sanskrit Conference held ?

A Kyoto, Japan

B Beijing, China

C Colombo, Sri Lanka

D Kuala Lumpur, Malaysia

Answer: A

Question 79

The President of India can be impeached by

- A Specially constituted tribunal
- B Supreme Court
- C Central Cabinet
- D Parliament

Answer: D

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Question 80

Planning Commission of India on 18 January 2012 approved Rudrasagar Development Scheme. The Scheme is located in

- A Tripura
- B Assam
- C Manipur
- D Sikkim

Answer: A

Question 81

Who administers the oath of office to the President of India ?

- A Vice-President of India
- B Prime Minister of India
- C Speaker of the Lok Sabha
- D Chief Justice of India

Answer: D

Question 82

'Khalsa army' was founded by

- A Guru Nanak
- B Ranjit Singh
- C Guru Tej Bahadur
- D Guru Gobind Singh

Answer: D

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Question 83

Union Finance Minister Pranab Mukherjee on 11 January 2012 launched the signature tune of the Indian Customs Pragati ki Dhadkan in New Delhi. The signature tune was composed by which of the noted music directors ?

- A A. R. Rahman
- B Aadesh Shrivastava
- C Adnan Sami
- D Shankar- Ehasaan- Loy

Answer: B

Question 84

By default, your document print in ---- mode.

- A Landscape
- B Portrait
- C Page Setup
- D Print View

Answer: B

Question 85

Which among the following commodities is transported in the greatest bulk by the Indian Railways ?

- A Cement

- B Coal
- C Iron ore
- D Foodgrains

Answer: B

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Question 86

The word function that corrects text as you type is referred to as

- A Auto summarize
- B Auto Insert
- C Auto Correct
- D Track Changes

Answer: C

Question 87

'Triveni' (Trijunction of Ganga, Jamuna and Saraswathi) is in the city of

- A Varanasi
- B Haridwar
- C Allahabad
- D Ayodhya

Answer: C

Question 88

Which is the 'largest archipelago' in the world ?

- A India
- B Lakshadweep
- C Indonesia



D Taiwan

Answer: C

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Question 89

Name the auto making company which launched three new variants of the Eon-D-Lite plus, Era plus and Magna plus in Indian market in January 2012.

A Tata Motors

B Hyundai Motor India

C Volkswagen

D Maruti Suzuki

Answer: B

Question 90

Which company retained its top position in Interbrand's list of the top 100 global brands in 2011 ?

A Apple

B Coca cola

C Microsoft

D Google

Answer: B

Question 91

He was conferred with the first SK Singh Award for excellence in the Indian Foreign Service on 6th January 2012. Identify the diplomat.

A Ranjan Mathai

B Shivshankar Menon

C D. Bala Venkatesh Verma

D K. Raghunath

Answer: C

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Question 92

Which Ministry prepared draft policy seeking to increase private participation and opens the doors for foreign direct investors for expanding its network ?

- A Railways Ministry
- B Ministry of Rural Development
- C Ministry of Commerce and Industry
- D Defence Ministry

Answer: A

Question 93

Which one of the following state governments launched 'Panch Parmeshwar Scheme' ?

- A Madhya Pradesh
- B Bihar
- C Uttar Pradesh
- D Kerala

Answer: A

Question 94

Which car took home the 'crown of Indian car' of the year in January 2012 ?

- A Toyoto Etios Liva
- B Maruti Suzuki Swift
- C Hyundai Verna
- D Hyundai Eon

Answer: B

Question 95

'Kanyakumari' is located in

- A Andhra Pradesh
- B Tamil Nadu
- C Karnataka
- D Kerala

Answer: B

Question 96

A is brother of B, C is mother of A, D is father of C. What is D of B ?

- A Grandfather
- B Grandson
- C Uncle
- D Nephew

Answer: A

Explanation:

A is brother of B, C is mother of A, D is father of C. D is the grandfather of A as D is the father of C and C is the mother of A. Now since A is B's brother, D is also a grandfather of B.

Question 97

A is mother of B, C is sister of B. D is sister of A. What is C of A ?

- A Mother
- B Aunt
- C Nephew
- D Daughter

Answer: D

Explanation:

A is mother of B, C is sister of B. So A is the mother of C also. So, C is a daughter of A.

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Question 98

A photograph shows Mr. A, Mr. B, Mrs. C and Mrs. D. Mrs. C and Mrs. D are sisters. Mr. A is husband of Mrs. C and Mr. B is husband of Mrs. D. What is Mr. A of Mr. B ?

- A Father-in-law
- B Brother-in-law
- C Sister-in-law
- D Daughter-in-law

Answer: B

Explanation:

The wives of Mr. A and Mr. B are sisters. So, they are brothers in law.

Question 99

Red Fort : India : : Eiffel Tower : ?

- A Germany
- B England
- C France
- D Japan

Answer: C

Explanation:

Red Fort is located in the country, India. Similarly, Eiffel Tower is located in France.

Question 100

Sheep : Lamb : : Butterfly : ?

- A Pup
- B Moth
- C Cub
- D Caterpillar

Answer: D

Explanation:

Lamb is the young one of sheep. Similarly, caterpillar is the young one of butterfly.

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Question 101

Ornithology : Birds :: Zoology : ?

- A Animals
- B Plants
- C Dreams
- D Oceans

Answer: A

Explanation:

Ornithology is the scientific study of birds. Similarly, zoology is the scientific study of animals.

Instructions

A pair of numbers is given. Select the option which shows similar relationship.

Question 102

4132 : 32

- A 7189 : 89
- B 2196 : 21
- C 9127 : 97
- D 1129 : 12

Answer: A

Explanation:

The number on the right is the last two digits of the number on the left. Thus, option A is the right choice.

Question 103

1120 : 3360

- A 1332 : 1664

B 1203 : 3609

C 2330 : 6996

D 3210 : 9632

Answer: B

Explanation:

The number on the right is the number on the left multiplied by 3. Thus option B is the correct answer.

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Instructions

A set of sequence is given. Select the option which shows similar relationship.

Question 104

6503 : 6003, 7615 : 7115 and 8886 : ?

A 8136

B 8536

C 8386

D 8268

Answer: C

Explanation:

6503 : 6003, 7615 : 7115 and 8886 :

the pattern is:

$6503 - 500 = 6003$

$7615 - 500 = 7115$

Similarly,

$8886 - 500 = 8386$

Question 105

43BC : 44DE, 56LM : 57NO and 62PQ : ?

A 63 RS

B 64 RS

C 63 SR

D 61 RT

Answer: A

Explanation:

Given, 43BC : 44DE, 56LM : 57NO

The number on the right is one added to the number on the left. The group of letters on the right immediately follows the group of letters on the left.

Thus, 62PQ=63RS

Question 106

A45 : C54, P89 : R98 and J72 : ?

A 27 L

B L 27

C L 72

D 72 L

Answer: B

Explanation:

In A45:C54, C→2nd to the right of A and 54→reverse of 45

Similarly in P89:R98, P→2nd to the right of A and 98→reverse of 89

L27 shows the same relation as above to J72.

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Question 107

A246 : Z642, B642 : Y246 and C243 : ?

A X 423

B X 342

C W 342

D W 243

Answer: B

Explanation:

Given, A246 : Z642, B642 : Y246

The letter on the right is at the same position as the letter on the left but from the other end i.e A is 1st from the left end and Z is 1st from the right end. The number on the left is formed by switching the one's and hundred's place of the number on the left.

Thus, C243=X342

Question 108

TU98 : UV97, JK93 : KL92 and PQ73 : ?

A 73 RS

B 72 RS

C RS 73

D QR 72

Answer: D

Explanation:

The first letter on the right begins with the second letter of the left and the second letter on the right is just the succeeding letter. The number on the right is the number on the left minus one. Only option D satisfies the pattern.

Question 109

7329 : 7300, 4132 : 4100 and 25126 : ?

A 25300

B 25205

C 25100

D 25200

Answer: C

Explanation:

In the given sequence, the numbers on the right are the numbers on the left but with the last 2 digits replaced by zeroes. Choice C follows the same pattern.

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Instructions

A pair of codes is given. Select the pair which shows the similar relationship that is shown by the given pair:

Question 110

B992 : C993

A F480 : H481

B D463 : E462

C P997 : R999

D P643 : Q644

Answer: D

Explanation:

In the given pattern, the letter on the right is the next letter to the letter on the left and the number on the right is the number on the left plus 1.

Option D follows the same pattern.

Question 111

ABC29 : DEF28

A JKL32 : NOP31

B PQR48 : STU47

C DEF63 : GHI64

D UVW23 : XYZ21

Answer: B

Explanation:

ABC29 : DEF28

the letters on the right are 3rd to the letters on the left at the same position and the number on the right is 1 less than the number on the left.

Option B follows the same pattern

Question 112

A99 : B98

A C49 : F48

B P43 : Q42

C H73 : G72

D L89 : M90

Answer: B

Explanation:

In the given pattern, the letter on the right is the next letter to the one on the left and the number on the right is the number on the left minus 1.

Option D follows the same pattern.

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Instructions

A pair of codes is given. Select the pair which shows the similar relationship that is shown by the given pair:

Question 113

ABD : EFH

- A DEF : ABD
- B LMO : PQS
- C PRT : UVX
- D GHI : JKM

Answer: B

Explanation:

ABD : EFH

E is fourth to the right of A. Similarly F and H are fourth to the right of B and D respectively.

Option B, LMO : PQS follows the same pattern.

Question 114

BDF : GHI

- A ACE : GHI
- B LNP : QRS
- C EGI : JLN
- D PQR : SUW

Answer: B

Explanation:

G = 5th to the right of B

H = 4th to the right of D

I=3rd to the right of F

Option B, LNP:QRS follows the same relation.

Instructions

For the following questions answer them individually

Question 115

Look at the series : 22, 21, 23, 22, 24, 23 what number should come next ?

A 22

B 24

C 25

D 26

Answer: C

Explanation:

the sequence is an alternating sequence alternating between subtraction of 1 and addition of 2 and can be rewritten as

22,22-1,21+2,23-1,22+2,24-1 and the next in sequence is $23+2=25$

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Question 116

Look at the series: 5.2, 4.8, 4.4, 4, what number should come next ?

A 3

B 3.3

C 3.5

D 3.6

Answer: D

Explanation:

each term in the series is the previous term minus .4.

Thus, the next term is $4 - .4 = 3.6$

Question 117

How many 4's are there in the following number - series which are preceded by 5 but NOT followed by 7 ?
23423425473243192547547234529546

- A Three
- B Four
- C Five
- D None

Answer: D

Explanation:

There are 3 4s that are preceded by 5s but are also followed by 7s. So, the answer is "none".

Question 118

If the following numbers are written in descending order then what will be the middle digit of the middle term ?

723, 789, 595, 659, 713, 785, 689

- A 1
- B 7
- C 8
- D 3

Answer: A

Explanation:

the numbers arranged in descending order is:

789,785,723,713,689,659,595

the middle number is 713 whose middle digit is 1

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Question 119

A man started walking from a point towards South. He turned right at right angles, then again right at right angles and then again right at right angles. In what direction was he ultimately walking ?

- A West
- B East
- C South

D North

Answer: B

Explanation:

After his first right turn, we would be facing West. After the second right turn, he would be facing North and after the third right turn, he would be facing East.

Question 120

If Shiva starts from point A and walk 5 miles towards East then turns left and walks 4 miles towards North, turns left again and walks 3 miles, in which direction is he going at the stop ?

A East

B North

C South

D West

Answer: D

Explanation:

When he turns left when he is facing North, he turns towards West. Hence, option (d) is the correct answer.

Question 121

If + means -, - means \times , \times means \div and \div means +, then

$$12 \times 4 \div 12 + 5 - 3 = ?$$

A 4

B 15

C 30

D 0

Answer: D

Explanation:

After substituting the operators as per the code, we get $12 \div 4 + 12 - 5 \times 3 = 0$

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Question 122

If + means \div , \div means -, - means \times and \times means +, then

$$12 + 2 \times 9 \div 4 = ?$$

- A 9
- B 11
- C 4
- D 15

Answer: B

Explanation:

Substituting the operators as mentioned in the question, we get $12 \div 2 + 9 - 4 = 6 + 5 = 11$

Question 123

If + means \div , \div means -, - means \times and \times means +, then
 $64 + 8 \div 6 - 4 \times 2 = ?$

- A 34
- B 16
- C -14
- D 24

Answer: C

Explanation:

Substituting the operators as mentioned in the question we get $64 \div 8 - 6 \times 4 + 2$
 $= 8 - 24 + 2 = -14$

Question 124

Select the correct option :
1N9 2M8 3L7 4K6 ?

- A 5J6
- B 5L5
- C 5J5
- D 5L8

Answer: C

Explanation:

The digits on the left end are in increasing order and the digits on the right end are in decreasing order. Also, the letter in the middle is the preceding letter to the one in the previous term.

Thus the next in series is 5J5.

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Question 125

CMM, EOO, GQQ KUU

- A GRR
- B GSS
- C ISS
- D ITT

Answer: C

Explanation:

The first letter in each term is separated from the first letter of the next term by two places in the alphabetical series. Similarly, the two repeating terms are also separated from the repeating terms of the next term by two places in the alphabetical series.

Question 126

There are 120 students in a class. If 30% of them are girls, what is the strength of the boys ?

- A 90
- B 84
- C 36
- D 72

Answer: B

Explanation:

no of girls = 30% of 120 = 36

no of boys = total students number of girls = 120 - 36 = 84

Question 127

0.28 part of a window is painted black, 0.33 part is painted red. What is the percentage of the part of the window to be painted ?

- A 0.61
- B 0.39
- C 30.5%
- D 39%

Answer: D

Explanation:

percent of window remaining to be painted = $100\% - (\text{percent already painted}) = (100 - 61)\% = 39\%$

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Question 128

A person sold an article for 9,999 of which, the cost price 10,000. Calculate the percentage of loss incurred.

- A 1%
- B 0.1%
- C 0.01%
- D 0.001%

Answer: C

Explanation:

$$\text{loss}\% = \frac{CP - SP}{CP} \times 100 = \frac{.1}{1000} \times 100\% = .01\%$$

Question 129

If A gets double the amount of B and B gets $\frac{1}{3}$ the amount of C, what is the share of A, if the total amount is Rs. 3,000 ?

- A 1,000
- B 500
- C 1,500
- D 2,000

Answer: A

Explanation:

A gets twice that of B and C gets three times that of B. So, if B gets x, A gets 2x and C gets 3x.

So, A's share = $2x * 3000/6x = 1000$

Question 130

A and B got Rs. 4,000 each as their share and C. Rs. 2,000. The ratio in which C, B and A distributed the amount is ?

A 2 : 2 : 1

B 2 : 1 : 2

C 1 : 2 : 2

D 1 : 4 : 4

Answer: C

Explanation:

C : B : A = 2000 : 4000 : 4000 = 1 : 2 : 2

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Question 131

$\frac{1}{3}$ of the income of a person is spent over food, $\frac{1}{2}$ towards loan. If the remaining amount is Rs. 2,000 calculate his income.

A 6,000

B 8,000

C 10,000

D 12,000

Answer: D

Explanation:

percentage spent on food=33.33% of income

percentage spent on loan=50% of income

percentage remaining=(100-83.33)%=16.67% of income

given, remaining amount=2000=16.67% of income=1/6th of income

∴ income=2000x6=12,000

Question 132

The sum of the ages of two different children is 30 years. After 5 years the age of one will become thrice the age of other. Find the age of the younger child now.

- A 5
- B 10
- C 15
- D 20

Answer: A

Explanation:

Age of elder child= a

Age of younger child= b

Given, $a + b = 30$(1)

and $a + 5 = 3(b + 5)$(2)

On solving (1) and (2) we get $b = 5$.

Question 133

A person purchased 15 pens and 30 books worth Rs. 825. If the cost of a book is double that of a pen, calculate the cost of the one book.

- A 11
- B 22
- C 15
- D 20

Answer: B

Explanation:

given, $15p + 30b = 825$(1)

& $b = 2p$(2)

on solving (1) and (2) we get $b = 22$

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Question 134

The average of age of father and mother is 45 years. If the age of daughter is included. The average of the three falls to 35. Find the age of daughter ?

- A 15
- B 10
- C 5
- D 20

Answer: A

Explanation:

Given,

$$(f+m)/2=45$$

$$\Rightarrow f+m=90.....(1)$$

$$\text{Similarly, } f+m+d=105.....(2)$$

Subtracting (2) from (1) we get,

$$d=15$$

Question 135

The simple form of the following expanded form of number is

$$5.05 \times 10^4 + 8 \times 10^3 + 4 \times 10$$

- A 505840
- B 58450
- C 58544
- D 58540

Answer: D

Explanation:

$$5.05 \times 10^4 = 50500.....(1)$$

$$8 \times 10^3 = 8000.....(2)$$

$$4 \times 10 = 40.....(3)$$

adding (1), (2) & (3) we get 58540

Question 136

The simple form of the following expanded form of number is

$$9.099 \times 10^4 + 2 \times 10^3 + 1 \times 10^1 + 5 \times 10^0$$

- A 92995

B 93035

C 93095

D 93005

Answer: D

Explanation:

$$9.099 * 10^4 = 90990$$

$$2 * 10^3 = 2000$$

$$1 * 10^1 = 10$$

$$5 * 10^0 = 5$$

Total sum = 93005.

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Question 137

A rectangular plate of 12 cm breadth and 48 cm length is given. The number of biggest square plates that can be obtained is

A 2

B 3

C 4

D 8

Answer: C

Explanation:

The biggest square possible is of side 12 as the smallest side is 12.

$$\text{Thus no. of squares} = (48 \times 12) / (12 \times 12) = 4$$

Question 138

9 : 25 :: 27 : ?

A 36

B 85

C 75

D 78

Answer: C

Explanation:

9 has to be multiplied by 3 to get 27. Similarly, 25 multiplied by 3 equals 75.

Question 139

The missing term which makes the following a perfect square is
_____ - 48 pq + 36 q²

A $4p^2$

B $16p^2$

C $16p$

D $8p^2$

Answer: B

Explanation:

$$48p = 2 \times (6q) \times (4p)$$

thus if the unknown term is $4p^2$ we can use the formula $(a-b)^2$ to simplify it.

$$\therefore (4p)^2 - 48pq + 36q^2$$

$$= (4p - 6q)^2 \text{ which is a perfect square.}$$

Thus, $16p^2$ is the missing term

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Question 140

The missing term which makes the following a perfect square is
 $81 X^2 - 72 xy + \underline{\hspace{2cm}}$

A $16y^2$

B $4y^2$

C $16y$

D $8y^2$

Answer: A

Explanation:

$$(9x)^2 - 2 \times (9x) \times (4y) + (4y)^2$$

$= (9x-4y)^2$ which is a perfect square.

Thus, if the missing term is $16y^2$, the expression will be a perfect square.

Question 141

The simple interest at the rate of 8% on the amount Rs. 20,000 for 3 months is

- A 400
- B 600
- C 500
- D 200

Answer: A

Explanation:

$S.I = P \times r \times t / 100$, t in years

$$= (20,000 \times 8 \times 3) / (100 \times 12) = 400$$

Question 142

If a person draws an interest of 400 on the principal amount of Rs. 4,000 for two years, the percentage of interest is

- A 10
- B 20
- C 5
- D 15

Answer: C

Explanation:

Simple Interest = Principal \times time \times rate / 100

$$\Rightarrow 400 = 4000 \times 2 \times r / 100$$

$$\therefore r = 5$$

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Question 143

If the discount at the rate of 8% comes to Rs. 2,000 for an article, what is its marked price ?

- A Rs. 20,000
- B Rs. 24,000
- C Rs. 25,000
- D Rs. 30,000

Answer: C

Explanation:

discount=2000=8% of M.P

=>M.P=2000/.08=Rs. 25,000

Question 144

Selling price of an article was 1273 after allowing 5% discount. Its marked price is

- A 1340
- B 1400
- C 1600
- D 1450

Answer: A

Explanation:

Marked price=Selling price+discount

MP=1273 + 5%MP

.95MP=1273

=>MP=1340

Question 145

$5^5 \div (5^3 \times 2^2)$ is

- A 125
- B 31.25
- C 6.25
- D 12.5

Answer: C

Explanation:

$$5^4 \div (5^3 \times 2^2) = 5^2 / 2^2$$

$$= 25/4 = 6.25$$

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Question 146

$$2^4 \times 3^4 \times 8^4 \div (2 \times 3 \times 8)^3 \text{ is}$$

A 576

B 48

C 96

D 192

Answer: B

Explanation:

$$2^4 \times 3^4 \times 8^4 \div (2 \times 3 \times 8)^3$$

$$= \frac{2^{16} \times 3^4}{2^{12} \times 3^3} = 2^4 \times 3 = 48$$

Question 147

What must be the height of the cylindrical vessel of cross sectional area 100 cm^2 to contain 50 litres of water ?

A 2 m

B 5 m

C 3 m

D 2.5 m

Answer: B

Explanation:

volume of vessel = ht x crosssectional area

$$\Rightarrow ht = (50 \times 10^3) / 100$$

$$= 500 \text{ cm} = 5 \text{ m}$$

Question 148

The length of a rectangle is twice that of its breadth. If its perimeter is 360 cm, calculate its area.

- A 7200 cm^2
- B 3600 cm^2
- C 1800 cm^2
- D 5400 cm^2

Answer: A

Explanation:

$$l = 2b$$

$$\text{Perimeter } P = 2(l + b) = 360 \text{ cms.}$$

$$2(2b + b) = 360 \text{ cms}$$

$$b = 60 \text{ cms}$$

$$l = 120 \text{ cms}$$

$$\text{Area} = 120 * 60 = 7200 \text{ sq. cms}$$

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Question 149

Cost of an article was Rs. 1,200. If it is sold for Rs. 1,000. Calculate the percentage of loss incurred.

- A $16\frac{2}{3} \%$
- B $12\frac{3}{4}$
- C 14%
- D 15%

Answer: A

Explanation:

$$\text{Percentage of loss} = (CP - SP) / CP = 200 / 1200 = 16.67\%$$

Question 150

The side of the cube which can be hold 8 litres of water is

- A 10 cm
- B 15 cm
- C 25 cm

D 20 cm

Answer: D

Explanation:

1 litre = 1000 centimeter cube.

So, 8 litre = 8000 centimeter cube

Side = cuberoot (8000 centimeter cube) = 20 cms.

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