IBPS RRB Clerk 12 Sep 2015

General Awareness

Instructions

For the following questions answer them individually

Question 1

'Lai Bahadur Shastri Stadium' formerly known as 'Fateh Maidan' is situated in the city of_____

A   Nanded

B   Agra

C   Patna

D   Ajmer

E   Hyderabad

   Answer: E

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Question 2

The official currency of 'Republic Of Singapore' is_____

A   Singapore Peso

B   Singapore Dollar

C   Singapore Rupee

D   Singapore Shilling

E   Singapore Pound

   Answer: B

Question 3

According to RBI guidelines, Payments Banks will not be allowed to issue_____

A   Debit cards

B   Credit cards

C   Prepaid cards

D   ATM cards

E   Gift cards

   Answer: B

Question 4

The 'Okhla Bird Sanctuary' is situated in the Indian state of _____

A   Haryana

B   Uttar Pradesh

C   Rajasthan

D   Delhi

E   Punjab

    Answer: B

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Question 5

The city of 'Kolkata' in the Indian state of 'West Bengal' is situated on the banks of the river_____

A   Mahanadi

B   Brahmaputra

C   Subamarekha

D   Hooghly

E   Yamuna

    Answer: D

Question 6

'Article 14' of the Indian constitution deals with the_____'

A   Equality in matters of public employment

B   Other than those given as options

C   Social Equality

D   Equality before law

E   Equal access to public areas

    Answer: D

Question 7

The Employee's Provident Fund Organization (Abbreviated as EPFO) is a statutory body of the Government of India under the

A   Ministry of Finance

B   Ministry of Labour and Employment

C   Ministry of Personal, Public Grievances and Pension

D   Ministry of Human Resources Development

E   Ministry of Social Justice and Empowerment

    Answer: B

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Question 8

The Credit Guarantee Corpus of the newly launched Micro Unit Development and Refinance Agency (MUDRA) will be_____

A   Rs. 4,000 crore

B   Rs. 5,000 crore

C   Rs. 5,500 crore

D   Rs. 6,000 crore

E   Rs. 3,000 crore

Answer: E

Question 9

Under the Pradhan Mantri Suraksha Bima Yojana (PMSBY), the maximum insurance cover for 'accidental cover' is_____

A   Rupees Three Lakhs

B   Rupees Four Lakhs

C   Rupees One Lakh

D   Rupees Five Lakhs

E   Rupees Two Lakhs

Answer: E

Question 10

Which of the following Indian states has recently declared itself 'India's first complete digital state'?

A   Karnataka

B   Andhra Pradesh

C   Kerala

D   Telangana

E   Maharashtra

Answer: C

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Question 11

The 2019 Cricket World Cup will be hosted by

A   India and Sri Lanka

B   Australia and New Zealand

C   South Africa and Kenya

D   India and Bangladesh

E England and Wales

Answer: E

Question 12

'The National Institute of Oceanography' (NIO) which is one of 37 constituent laboratories of the 'Council of Scientific and Industrial Research' (CSIR) has its headquarters in_____

A Kochi, Kerala

B Mumbai, Maharashtra

C Vizag, Andhra Pradesh

D Dona Paula, Goa

E Paradip, Odisha

Answer: D

Question 13

The Government of India has recently announced that over the next five years Rs. 50,000 crore to farmers shall be provided under the_____

A PMKSY

B PMJDY

C PMJJBY

D PMKVY

E PMGSY

Answer: A

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Question 14

'Kanchenjunga' is the third highest mountain in the world. It is situated on the border of the Indian state of Sikkim and_____

A Pakistan

B Nepal

C China

D Bhutan

E Other than those given as options

Answer: B

Question 15

The Cochin International Airport has recently became the first international airport to operate completely on_____

A Wind Power

B   Tidal Power

C   Solar Power

D   Biomass

E   Radiant Energy

Answer: C

Question 16

The Men's 100 metre title at the 2015 World Championships in Athletics recently held in Beijing was retained by the defending champion_____

A   Usain Bolt

B   Andie De Grasse

C   Justin Gatlin

D   Trayvpn Bromell

E   Su Bingtian

Answer: A

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Question 17

The Mobile wallet 'Buddy' which is available on the 'Google Play Store' and 'Apple App store' was recently launched by_____

A   ICICI Bank

B   Bank of Baroda

C   HDFC Bank

D   State Bank of India

E   Citibank India

Answer: D

Question 18

'MIBOR' is calculated every day by the National Stock Exchange Rate of India (NSE) as a weighted average of lending rates of group of banks, on funds lent to first class borrowers. The alphabet 'I' in the abbreviation 'MIBOR' stands for_____

A   Index

B   Interest

C   Investment

D   Interbank

E   International

Answer: D

Question 19

The International Development Association (IDA), a member of the World Bank Group, is headquartered in_____

A New York

B The Hague

C Washington D.C.

D Geneva

E Paris

   Answer: C

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Question 20

The second summit of the 'Forum for India Pacific Island Countries' (FIPIC) summit consisting of 14 nations of the region, was recently held at_____

A Jaipur, India

B Canberra, Australia

C Suva, Fiji

D Wellington, New Zealand

E South Tarawa, Kiribati

   Answer: A

Question 21

The RBI panel which has recently recommended converting urban cooperative banks (UCB) with business more than Rs. 20,000 crores, into banks, was headed by RBI deputy governor_____

A S.S. Mundra

B H.R. Khan

C Anand Sinha

D R Gandhi

E Dr. Urjit Patel

   Answer: D

Question 22

Ranil Wickrernesinghe has recently been sworn in as the Prime Minister for

A Mauritius

B Sri Lanka

C Indonesia

D Malaysia

E Maldives

Answer: B

Question 23

The Government of India has recently approached consumer forum NCDRC seeking damages worth Rs. 640 crore on charges of unfair trade practices, false labelling and misleading advertisements from

A PepsiCo India

B Coca Cola India

C Ranbaxy Laboratories Limited

D Procter and Gamble Limited

E Nestle India

Answer: E

Question 24

Which of the following Indian golfer recently became the first Indian to win the 'Ladies British Amateur Play Golf Championship' at Leeds (England)?

A Rhea Nair

B Sharmilla Nicollet

C Sunita Puri

D Aditi Ashok

E Sarnriti Mehra

Answer: D

Question 25

Prime Minister Shri Narendra Modi unveiled a statue of Mahatma Gandhi during his offcial visit to 'Bishkek', the capital city of_____

A Kazakhstan

B Kyrgyzstan

C Uzbekistan

D Tajikistan

E Turkmenistan

Answer: B

Question 26

The majority shareholder in the share capital of 'Bank of Baroda' Is _____

A   Reserve Bank of India

B   Banks/Insurance Companies

C   Govenment of India

D   Corporates/Individuals

E   NRI/Foreign Institutional Investors

Answer: C

Question 27

The process of gathering funds from several investors through a web-based platform for a project or business venture is called_____

A   Crowd Funding

B   Angel Funding

C   Private Equity Funding

D   Venture Capital Funding

E   Micro Financing

Answer: A

Question 28

Which of the following is the first Indian Woman mountaineer to reach the topmost of Mount Everest?

A   Premlata Agarwal

B   Arunima Sinha

C   Bachendri Pal

D   Tashi Malik

E   Krushnaa Patil

Answer: C

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Question 29

Who recently became the first-ever Indian to be chosen as one of the members of the prestigious Council of the IAAF, the global governing body of athletics?

A   Adille Sumariwalla

B   Imran Siddiqui

C   Suresh Kalmadi

D   Ramesh Gupta

E   Suresh Singh

Answer: B

Question 30

World Polio Day is observed every year on_____

A   29th of October

B   29th of September

C   24th of October

D   19th of September

E   19th of November

Answer: C

Question 31

The Union Forum ministry has announced conferring the title of 'twin national heritage cities' to two cities which are

A   Cuttack and Bhubaneswar

B   Rishikesh and Haridwar

C   Kolkata arid Howrah

D   Pune and Nashik

E   Ajmer and Pushkar

Answer: B

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Question 32

The online payments and money transfer solution PayZapp' has recently launched by_____

A   ICICI Bank

B   Axis Bank

C   HDFC Bank

D   State Bank of India

E   IDBI Bank

Answer: C

Question 33

The minister for state independent charge for Youth affairs sports in the union cabinet is_____

A   Shri Dharmandera Pradhan

B   Shri Piyush Goyal

C Dr. Jitendra Singh

D Shri Rajiv Pratap Rudy

E Col.Rajyavardhan Singh Rathore

Answer: E

Question 34

'Project Tatkal' an initiative to promote doorstep services and to expedate home loans application process has recently been launched by _____

A IDBI Bank

B State bank of India

C ICICI Bank

D HDFC Bank

E National housing bank

Answer: B

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Question 35

The Author of the book The Lowland' is

A Kiran Desai

B Shobha de

C Jhumpa Lahiri

D Anita Desai

E Arundhati Roy

Answer: C

Question 36

Which acclaimed Indian bollywood actor has recently been named as the ambassador for united nations campaign on gender equity?

A Abhishek Bacchan

B Amitabh Bacchan

C Akshay Kumar

D Anupain Kher

E Aamir Khan

Answer: D

Question 37

'Arthur Morris' who died recently at the age of 93 was a well known _____

A American Politian

B Swiss actor

C English football player

D French rugby union player

E Australian cricketer

Answer: E

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Question 38

'Onam' is the state festival of the Indian state of _____

A Goa

B Telangana

C Tamil Nadu

D Kerala

E Karnataka

Answer: D

Question 39

'Joshna Chinnappa' and 'Libe Hansen' are associated with the sports of _____

A Tennis

B Badminton

C Baseball

D Handball

E Squash

Answer: E

Question 40

'Allahabad Bank' is a nationalized bank with its headquarters in

A Bengaluru

B New Delhi

C Kolkata

D Mumbai

E Chennai

Answer: C

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Computer Knowledge

Instructions

For the following questions answer them individually

Question 41

A major upgrade or revision of software is reflected in the use of _____

A   special symbols

B   version letters

C   decimal numbers

D   whole numbers

E   upgrade code letters

Answer: D

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Question 42

DOS is a(n)_____

A   single-user but multiple-programming

B   multi-user operating system

C   multi-user and multi-programming

D   open source operating system

E   single-user operating system

Answer: E

Question 43

Which of the following is most suitable programming language for scientific purpose?

A   COBOL

B   word processor

C   BASIC

D   Power Point

E   FORTRAN

Answer: E

Question 44

Java is a _____

A   machine code

B   spreadsheet

C   database

D   high level language

E   low level language

   Answer: D

Question 45

All of the following storage media have Read and Write capabilities except _____

A   hard disk drives

B   floppy disks

C   flash memory cards

D   CD-ROMs

E   tape drives

   Answer: D

Question 46

Which of the following is a wildcard that stands in the place of a series of letters?

A   —

B   #

C   ()

D   %

E   *

   Answer: E

Question 47

HTML programming uses _____

A   tablets

B   tables

C   pictures

D   numbers

E   tags

   Answer: E

Question 48

When you open Internet, the first page is referred to as _____

A   first page

B   master page

C   home page

D   title page

E   intro page

   Answer: C

Question 49

The segment in which business directly sells to the end consumer is called _____

A   G2G

B   P2P

C   C2B

D   C2C

E   B2C

   Answer: E

Question 50

The _____ enables your computer to connect to other computers.

A   Network Interface Card

B   Video Card

C   ALU

D   Sound Card

E   Controller Card

   Answer: A

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Question 51

_____monitors all the traffic that flows between the two networks but blocks certain traffic completely which may be intruder.

A   Firewall

B   Anti-virus

C   Software

D Hardware

E Control Panel

    Answer: A

Question 52

A set of pre-coded instructions executed by a computer is called _____

A programs

B programmable

C software

D action

E hardware

    Answer: A

Question 53

Which one of the following statements is true?

A Single-user multitask OS are also known as NOS.

B Windows OS are the most commonly used single-used multitask operating systems.

C Single-user OS are commonly used in robotics.

D Supercomputers use single-user multitask OS.

E OS is not a must for a computer.

    Answer: B

Question 54

The instructions to a computer are given in _____language.

A machine

B codes

C assembly

D compiler

E BASIC

    Answer: A

Question 55

In order for your computer to play music you need

A A sound card and speakers

B Only external speakers

C Nothing more than the internal speaker

D A network card and speakers

E A CD-ROM drive

Answer: A

Question 56

To restore your Windows XP computer to the state it was In on a previous date, you canuse the _____utility.

A Backup

B Task Manager

C Task Delete

D Defragment

E System Restore

Answer: E

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Question 57

The purpose of a swap (or page) file is to _____

A allow multiple print jobs to print their pages out simultaneously.

B allow users to delete their file.

C hold a program's data or instructions in virtual memory when it can't fit in RAM

D prevent thrashing in a multitasking environment

E maintain pages of documents that are being spooled to the printer.

Answer: C

Question 58

Which of the following is not a document file in a word processor?

A COBOL program

B Report

C Essay

D Memo

E Letter

Answer: A

Question 59

Data and instructions are stored on special ROM (Read-only memory) chips on theboard and are called the_____

A   BIOS

B   Flash

C   Symbols

D   microcode

E   execute code

   Answer: A

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Question 60

RAM is a _____

A   unaffordable memory

B   removable memory

C   permanent memory

D   fixed memory

E   temporary memory

   Answer: E

Question 61

Which of the following is essential for using of a computer effectively?

A   presentation software

B   executive software

C   command software

D   utility software

E   system software

   Answer: E

Question 62

LAN system is a(n) _____

A   obsolete system

B   single-user system

C   interconnected network

D   local area network

E   multiuser system

   Answer: D

Question 63

An extremely fast computer that can perform hundreds of billions of instructions is a _____

A PDA

B work station

C minicomputer

D supercomputer

E personal computer

   Answer: D

Question 64

The CPU-of a-computer system does all of the following except_____

A manage the flow of information through the computer system

B process data that has been inputted into the system

C process instructions

D process instructions and input data

E store data

   Answer: E

Question 65

The _____ or system timer is dedicated to timing the activities of the chips on the motherboard.

A System Clock

B interrupt manager

C special dock

D randomizer

E ALU

   Answer: A

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Question 66

_____is data that has been organized or presented in a meaningful fashion.

A information

B wisdom

C storage

D software

E A process

   Answer: A

Question 67

UNIX is a(n)_____ ating system.

A outdated

B sequential user

C multi user

D parallel user

E single user

   Answer: C

Question 68

Software refers to a set of instructions that tells the computer what to do. These instruction sets are

A peripherals

B action plans

C devices

D databases

E programs

   Answer: E

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Question 69

What is the overall creating, editing, formatting, storing, retrieving and printing a text document?

A Spreadsheet design

B Database management

C Word processing

D Web design

E Side design

   Answer: C

Question 70

The most commonly used input device of a computer is

A webcarn

B joystick

C keyboard

D microphone

E scanner

Answer: C

Question 71

Flash Drives plug into a(n)_____

A serial port

B USB port

C drive bay

D expansion slot

E serial bay

Answer: B

Question 72

_____is the process whereby media files such as a video start playing as they are downloading.

A dragging

B flashing

C pulling

D streaming

E pushing

Answer: D

Question 73

Which of the following is not a protocol?

A FTP

B FTP and TCP/IP

C http

D TCP/IP

E HTML

Answer: E

Question 74

Compilers are the software _____

A   used as interpreters

B   for printing hard copies

C   used for translation

D   used for translation of the system

E   designed for customers

   Answer: D

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Question 75

Software of computer means _____

A   interface between operator and machine

B   electronic circuit and devices

C   printing device

D   magnetic disk

E   printed output

   Answer: A

Question 76

Which of the following language is used with an interpreter?

A   PASCAL

B   FORTRAN

C   C

D   COBOL

E   BASIC

   Answer: E

Question 77

DSL is an example of a(n) _____connection.

A   slow

B   slow network

C   broadband

D   wireless

E   isolated network
   Answer: C

Question 78

Which of the following state merits concerning Bluetooth is false?

A   Bluetooth is a good solution for short-distance connections.

B   Bluetooth is a good solution for wireless keyboards.

C   Bluetooth requires a clear line of sight.

D   The maximum distance between two devices that Bluetooth supports is 30 feet.

E   Bluetooth technology uses radio waves.

   Answer: C

Question 79

The source program is written In _____

A   object program

B   high level language

C   assembly language

D   binary code

E   digital-language

   Answer: B

Question 80

xls, .doc and .pplac are examples of _____

A   implications

B   domains

C   protocols

D   databases

E   extensions

   Answer: E

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English

Instructions

Read the following passage carefully and answer the questions given. Certain words have been given in bold to help you locate them while answering some of the questions.

We are told that economy is growing and that such growth benefits all of us. However, what you see is not what you always get. Most people are experiencing declining economic security in response to the problems of the global system, many communities have turned to Local Exchange Systems (LESs) to help regain some control over their economic situations.

Local exchange systems come in many forms. They often involve the creation of a local currency, or a system of bartering labour, or

trading of agricultural products as a means of supporting the region in which they are traded. Such a system helps preserve the viability of local economies.

Local currencies allow communities to diversify their economies, reinvest resources back into their region and reduce dependence on the highly concentrated and unstable global economy. Each local currency system serves as an exchange bank for skills and resources that Individuals in the community are willing to trade. Whether in the form of paper money, service credits, or other units, a local currency facilitates the exchange of services and resources among the members of a community.

By providing incentives for local trade, communities help their small businesses and reduce underemployment by providing the jobs within the community. In addition, the local exchange of food and seeds promotes environmental conservation and community food security. Local food production reduces wasteful transportation and promotes self-reliance and genetic diversity. Each transaction within a local exchange system strengthens the community fabric as neighbours interact and meet one another.

There are over 1,000 local change programs worldwide more than 30 local paper currencies in North America and at least 800 Local Exchange Trading Systems (LETS) throughout Europe. New Zealand and Australia Local Exchange Systems vary and evolve in accordance with the needs and circumstances of the local area. This diversity is critical to the success of the local currencies. For instance, a bank in rural Massachusetts refused to lend a fanner the money needed to make it through the winter. In response, the farmer decided to print his own money Berkshire Farm Preserve Notes. In winter, customers buy the notes for $9 and they may redeem them in the summer for $10 worth of vegetables. The system enabled the community to help a farm family after being abandoned by the centralised monetary system. As small family farms continue to disappear at an alarming rate, local currencies provide tools for communities to bind together, support their local food growers and maintain their local food suppliers.

Local Exchange Systems are not limited to developed countries.Rural areas of Asia, Latin America and Africa have offered some of the most effective and important programs, by adopting agriculture-based systems of exchange rather than monetary ones. In order to preserve genetic diversity, economic security and avoid dependence on industrial seed and chemical companies, many villages have developed seed saving exchange banks. For example, the village women in Ladakh have begun to collect and exchange rare seeds selected for their ability to grow in a harsh mountain climate. This exchange system protects agriculture diversity while promoting self-reliance. There is no one blueprint for a local exchange system, which is exactly why they are successful vehicles for localisation and sustainability. They promote local economic diversity and regional self-reliance while responding to a region's specific needs. Local exchange systems play a pivotal role in creating models for sustainable societies. They are an effective educational tool, raising awareness about the global financial system and local economic matters. Local exchange systems also demonstrate that tangible, creative solutions exist and that communities can empower themselves to address global problems.

Question 81

Which of the following is same in meaning as the word 'LIMITED TO' as used in the passage?

A   restricted to

B   extending beyond

C   validated for

D   adjusted

E   custodial

   Answer: A

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Question 82

Which of the following can be a suitable title for the passage?

A   Reasons LES must rule over the regular currency

B   Methods to escape global economic issues

C   Dependence of Asian countries on LES

D   Role of LES in development of communities

E   LES - A Fu

Answer: D

Question 83

Which of the following is most nearly the opposite in meaning as the word 'PIVOTAL' as used in the passage?

A   essential

B   unnourished

C   healthy

D   overriding

E   trivial

   Answer: E

Question 84

As mentioned in the passage, there is no set design to initiate local exchange systems as_____
(A) they tend to work well only in select countries
(B) they are region specific
(C) they are too complicated to understand

A   Only A

B   Ony B

C   Both A and C'

D   Both A and B

E   Only C

   Answer: B

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Question 85

Which of the following is most nearly the opposite in meaning as the word 'BIND' as used in the passage?

A   visionless

B   separate

C   associate

D   loosen

E   reunite

   Answer: B

Question 86

Which of the following statements is true in the context of the passage?

A   LES work well only in countries whose economies are based primarily on agriculture.

B   LES increases unhealthy competition between communities from different regions.

C   LESs encourage communities to become self-supporting

D   LESs are restricted to trading with paper money only.

E   None of the given statements is true

Answer: C

Question 87

As mentioned in the passage, local currencies can prove to be beneficial for the community as they _____
(A) assist in creating job opportunities.
(B) indirectly help in conserving the environment.
(C) aid in minimising reliance on global economy.

A   Only A

B   Ony B

C   Both A and C

D   Both A and B

E   All the three A, B and C

Answer: E

Question 88

Which of the following is the meaning of the phrase 'what you see is not what you always get' as mentioned in the passage with respect to present economic situation in the country?

A   Sharing information without hiding

B   Being pessimisio:- presenting information

C   Modifying information after taking consent from every stakeholder.

D   Waiting to share positive Information.

E   What is presented may not necessarily be true.

Answer: E

Question 89

Which of the following is most nearly the opposite in meaning as the word 'REGAIN' as used in the passage

A   recover

B   restart

C   forfeit

D   revalue

E   liberate

Answer: C

Question 90

As mentioned in the passage, the statistics with respect to LES highlight that

A   very few countries are about such programmes.

B   they face more resistance from, developed countries than developing ones.

C   they are becoming popular among communities across the globe.

D   they lack support of farmers.

E   the gap between the rich and the poor is increasing.

   Answer: C

Instructions

Read each sentence to find out whether there is any grammatical mistake/ error in it. The error, if any, will be in one part of the sentence. Select the part with the error as your answer. If there is no error, Select No error as your answer. (ignore the errors of punctuation, if any)

Question 91

The rise of ATMs, telephone banking, the Internet (a)/ and now smartphones has (b)/ led to a decline of 5 to 8 percent a year (c)/ in the number of visits by customers to branches(d)/ No error (e)

A   The rise of ATMs, telephone banking, the Internet

B   and now smartphones has

C   led to a decline of 5 to 8 percent a year

D   in the number of visits by customers to branches.

E   No error

   Answer: E

Question 92

Sporting body such as FIFA (a)/ should be run transparently and rigorous standards (b)/ should be maintained to ensure that (c)/ sports are played in the right spirit. (d)/ No error (e)

A   Sporting body such as FIFA

B   should be run transparently and rigorous standards

C   should be maintained to ensure that

D   sports are played in the right spirit.

E   No error

   Answer: D

Question 93

Owing to the frequent fluctuations in electricity, (a)/ businesses in Africa are forced to (b)/ invest in generators thereby paying (c)/ exorbitant amounts for electricity. (d)/ No error (e)

A   Owing to the frequent fluctuations in electricity

B businesses in Africa are forced to

C invest in generators thereby paying

D exorbitant amounts for electricity.

E No error

   Answer: B

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Question 94

Without a reduction in imports, the decline (a)/ in the economy will be even great though (b)/ the central bank is positive that (c)/ the economy will recover by next year. (d) No error (e)

A Without a reduction in imports, the decline

B in the economy will be even great though

C the central bank is positive that

D the economy will recover by next year.

E No error

   Answer: B

Question 95

Changing a company's corporate culture (a)/ is difficult but not impossible (b)/ and introducing to systems such as (c)/ pay for performance' will help a company grow. (d)/ No error (e)

A Changing a company's corporate culture

B is difficult but not impossible

C and introducing to systems such as

D pay for performance' will help a company grow.

E No error

   Answer: C

Instructions

Rearrange the give a six sentences/ group of sentences (A), (B), (C), (D), (E) and (F) in a proper sequence so as to form a meaningful paragraph and then answer the given questions.
(A) Initiatives by Japan and the European Union over the past two years depressed the yen and euro earlier.
(B) The rising dollar has hurt US exporters by making their goods costlier abroad, and China's move to devalue its currency could further complicate the Fed's decision on when to raise rates.
(C) All these moves contrast with action foreseen from the Federal Reserve, which is widely expected to boost the short-term interest rate it controls later this year.
(D) China's central bank said the devaluation of the Yuan was a result of reforms intended to make its exchange rate more market-oriented.
(E) This Fed rate hike would likely raise the vlaue of the dollar, which has already jumped about 1.4 percent in value in the past 12 months against a basket of foreign currencies.
(F) With this devaluation, China becomes the third major economy to act on lowering its currency value.

Question 96

Which of the following should be the FOURTH sentence after rearrangement?

A A

B B

C C

D E

E D

  Answer: D

Question 97

Which of the following should be the SECOND sentence after rearrangement?Which of the following should be the SECOND sentence after rearrangement?

A A

B B

C C

D D

E F

  Answer: D

Question 98

Which of the following should be the LAST (SIXTH) sentence after rearrangement?

A A

B F

C D

D C

E B

  Answer: E

Question 99

Which of the following should be the FIRST sentence after rearrangement?

A A

B B

C C

D D

E E

   Answer: A

Question 100

Which of the following should be the THIRD sentence after rearrangement?

A A

B B

C F

D D

E E

   Answer: C

Instructions

Each sentence below has two blanks, each blank indicating that something has been omitted. Choose the words that best fit the meaning of the sentence as a whole.

Question 101

Rolling the neck is a very simple and effective exercise when It_____to _____off the double chain.

A comes, fighting

B relates, shedding

C regards, sloughing

D associates, removing

E pertains, edging

   Answer: E

Question 102

The traffic police said that it was not possible to _____ personnel permanently at the spot to prevent the situation because of _____manpower.

A send, issue

B arrange, lack

C let, less

D deploy, insufficient

E dispatch, constricted

   Answer: D

Question 103

Your children take of _____most of your actions and traits, both good and bad, which is why it is_____that you leave them more good examples than bad.

A   light, crucial

B   cognizance, urgent

C   copy, important

D   note, essential

E   pretence, vital

   Answer: D

Question 104

The region has already _____ few very long dry spells this season,_____concern about the survival of the kharif crop.

A   subjected, posing

B   witnessed, sparking

C   seen, sensing

D   dealt, generating

E   suffered, bordering

   Answer: B

Question 105

The forum_____desired efforts be _____ at the earliest on a sustained basis to create an authentic database.

A   demanded, initiated

B   suggested, dealt

C   ask, commenced

D   proclaimed, earned

E   questioned, made

   Answer: A

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Instructions

Which of the phrase given against each sentence should replace the word/ phrase, given in bold in a sentence to make it grammatically correct? If the sentence is correct as it is given and no correction is required, choose 'No correction required' as the answer.

Question 106

1t is important to teach children that **discriminating on** any particular culture is not acceptable.

A   discrimination for

B   discriminating against

C to discriminate towards

D discriminated of

E No correction required

Answer: B

Question 107

Although official orders, work of re-survey of out-of-school children has not yet been undertaken in many parts of the State.

A Even though

B In spite of

C While

D However

E No correction required

Answer: B

Question 108

Ayurveda believes that herbs when ingested bring about changes in the energy of a human body.

A when it is ingest

B ingested when

C while being ingest

D when one ingesting

E No correction required

Answer: E

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Question 109

The owners of commercial establishments in the city were given orders to furnished detailed information of their tenants.

A furnished orders

B ordered for furnishing

C ordered to furnish

D orderly furnished

E No correction required

Answer: C

Question 110

Traffic snarls along the highway have started again, despite the area is declared a `no parking zone'.

A declaration on

B has been declared

C being declared

D has to declare

E No correction required

Answer: B

Instructions

In the given passage there are blanks, each of which has been numbered. Against each five words are suggested, one of which fits the blank appropriately. Find out the appropriate word in each case.If China's state owned commercial banks seem burdened by bad debts, the country's rural financial sector is even worse. In the villages, the only formal banking institutions are what are known as rural credit co-operatives. These ___(1)___ the distinction in China of having been officially declared insolvent. The rural credit co-operatives are ill named. They are often reluctant to ___(2)___ and they are not run as cooperatives as they do not ___(3)___ any profits and their customers have no say in their operations. Until 1996, they were offshoots of the Agricultural Bank of China.. Since then they have been ___(4)___ by the Central Bank, though they are in reality run by county governments. Even the word 'rural' is misleading. ___(5)___ of their deposits are sucked up and put in the urban banking system. Farmers usually find it easier to ___(6)___ from friends or relatives or black market moneylenders. Yet the co-operatives remain a big part of China's financial system. Last year, they ___(7)___ 1 for 12 percent of deposits and 11 percent of loans. In recent years, commercial banks (in eluding the Agricultural bank) have closed down ___(8)___ in the countryside. Yet some 40,000 credit co-operatives remain in place with one in almost every township (as the larger villages or smaller) rural loans are ___(9)___. If as the government claims, the credit co-operatives are beginning to turn a profit after six years of losses, it is not because they are any better run. In an effort to ___(10)___ a stagnant rural economy, the central bank has pumped more than $9 billion into them hoping that they will lend more to farmers. But the root causes of their problems remain and the real solution may have to involve a mix of approaches from commercial banking to real cooperatives.

Question 111

(10)

A awarded

B enjoy

C worry

D making

E trouble

Answer: B

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Question 112

(9)

A sanctions

B apply

C part

D provide

E giving

Answer: D

Question 113

(8)

A function

B eligible

C claims

D declared

E share

  Answer: E

Question 114

(7)

A own

B govern

C regulations

D ran

E supervised

  Answer: E

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Question 115

(6)

A Such

B Partly

C Whole

D Must

E Entire

  Answer: C

Question 116

(5)

A visit

B help

C borrow

D loan

E advice

 Answer: C

Question 117

(4)

A include

B accounted

C fulfilled

D achieved

E taking

 Answer: B

Question 118

(3)

A branches

B all

C operating

D staff

E factory

 Answer: C

Question 119

(2)

A thinking

B known

C creating

D cross

E develop

 Answer: B

Question 120

(1)

A make

B release

C boosting

D stall

E revitalise

   Answer: E

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Quant

Instructions

For the following questions answer them individually

Question 121

Four circles having equal radii are drawn with center at the four corners of a square. Each circle touches the other two adjacent circle. If remaining area of the square is 168 cm, what is the size of the radius of the radius of the circle? (in centimeters)

A 14

B 1.4

C 38

D 21

E 3.5

   Answer: A

Explanation:
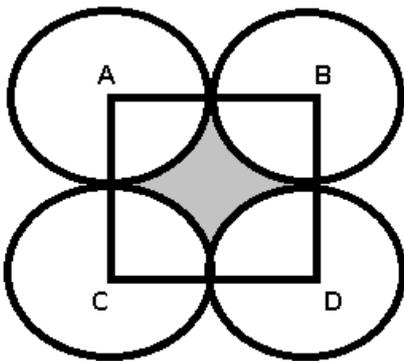
Diameter of circle = side of square = d cm

Area of square = d^2 sq. cm

Area of 1 quadrant = $\frac{1}{4} \times \pi \times \left(\frac{d}{2}\right)^2$

= $\pi \times \frac{d^2}{16}$

=> Area of 4 quadrants = $4 \times \pi \times \frac{d^2}{16} = \frac{\pi d^2}{4}$ sq. cm

Area of shaded region = 168

=> $d^2 - \frac{\pi d^2}{4} = 168$

=> $\frac{1}{4}[d^2(4 - \pi)] = 168$

$=> d^2 = \frac{168 \times 4}{4 - \pi} = \frac{168 \times 4}{4 - \frac{22}{7}}$

$=> d^2 = \frac{168 \times 4 \times 7}{28 - 22} = \frac{168}{6} \times 28$

$=> d = \sqrt{28 \times 28} = 28$ cm

$\therefore$ Radius = $\frac{28}{2} = 14$ cm

Instructions

What will come in place of the question mark (?) in each of the following number series.

Question 122

158, 78, 38, 18, 8, ?

A 3

B 5

C 2

D 7

E 6

   Answer: A

Explanation:
Each number is divided by 2 and then 1 is subtracted.

$158 \div 2 - 1$ = 78

$78 \div 2 - 1$ = 38

$38 \div 2 - 1$ = 18

$18 \div 2 - 1$ = 8

$8 \div 2 - 1$ = **3**

Question 123

16, 19, 24, 33, 50, ?

A 83

B 66

C 99

D 74

E 102

   Answer: A

Explanation:
The pattern is :

16 + 3 = 19

19 + 5 (= 3 + 2) = 24

24 + 9 (= 5 + 4) = 33

33 + 17 (= 9 + 8) = 50

50 + 33 (= 17 + 16) = **83**

Question 124

402, 400, 388, 358, 302, ?

A 212

B 236

C 190

D 182

E 210

   Answer: A

Explanation:

The pattern followed is :

$402 - (1 \times 2)$ = 400

$400 - (3 \times 4)$ = 388

$388 - (5 \times 6)$ = 358

$358 - (7 \times 8)$ = 302

$302 - (9 \times 10)$ = **212**

Question 125

31, 15, 21, 50, ?, 767.25

A 160.5

B 171.5

C 156.5

D 122.5

E 143.5

   Answer: B

Explanation:

The pattern followed is :

$31 \times 0.5 - 0.5$ = 15

$15 \times 1.5 - 1.5$ = 21

$21 \times 2.5 - 2.5$ = 50

$50 \times 3.5 - 3.5$ = **171.5**

$171.5 \times 4.5 - 4.5$ = 767.25

Question 126

8, 5.5, 8.5, 23, 89.5, ?

A 455

B 420.5

C 445

D 415.5

E 433

Answer: C

Explanation:

The pattern followed is :

$8 \times 1 - 2.5$ = 5.5

$5.5 \times 2 - 2.5$ = 8.5

$8.5 \times 3 - 2.5$ = 23

$23 \times 4 - 2.5$ = 89.5

$89.5 \times 5 - 2.5$ = **445**

Instructions

For the following questions answer them individually

Question 127

A vessel contains a mixture of milk and water in the respective ratio of 14 : 3. 25.5 litres of the mixture is taken out from the vessel and 2.5 litres of pure water and 5 litres of pure milk is added to the mixture. If the resultant mixture contains 20% water, what was the initial quantity of mixture in the vessel before the replacement? (in litres)

A 51

B 102

C 68

D 85

E 34

Answer: C

Explanation:

Let the total quantity of mixture in the vessel initially = $17x$ litres

=> Quantity of milk = $\frac{14}{17} \times 17x = 14x$ litres

Quantity of water = $17x - 14x = 3x$ litres

Acc. to ques,

=> $\frac{14x - (\frac{14}{17} \times 25.5) + 5}{3x - (\frac{3}{17} \times 25.5) + 2.5} = \frac{80}{20}$

=> $\frac{14x - 21 + 5}{3x - 4.5 + 2.5} = \frac{4}{1}$

=> $\frac{14x - 16}{3x - 2} = \frac{4}{1}$

=> $14x - 16 = 12x - 8$

=> $14x - 12x = 16 - 8$

=> $x = \frac{8}{2} = 4$

∴ Initial quantity of mixture in the vessel before the replacement = $17 \times 4 = 68$ litres

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Question 128

A, B and C started a business by investing Rs. 20,000 Rs. 28,000 and Rs. 36,000 respectively. After 6 months, A and B withdrew an amount of Rs. 8,000 each and C invested an additional amount of Rs. 8,000. All of them invested for equal period of time. If at the end of the year. C got Rs. 12,550 as his share of profit, what was the total profit earned ?

A   Rs. 25,100

B   Rs. 26,600

C   Rs. 24,300

D   Rs. 22,960

E   Rs. 21,440

Answer: A

Explanation:

Amount invested by A,B and C = Rs. 20,000 Rs. 28,000 and Rs. 36,000 respectively.

Ratio of profits shared by A : B : C

= $[(20,000 \times 6) + (12,000 \times 6)] : [(28,000 \times 6) + (20,000 \times 6)] : [(36,000 \times 6) + (44,000 \times 6)]$

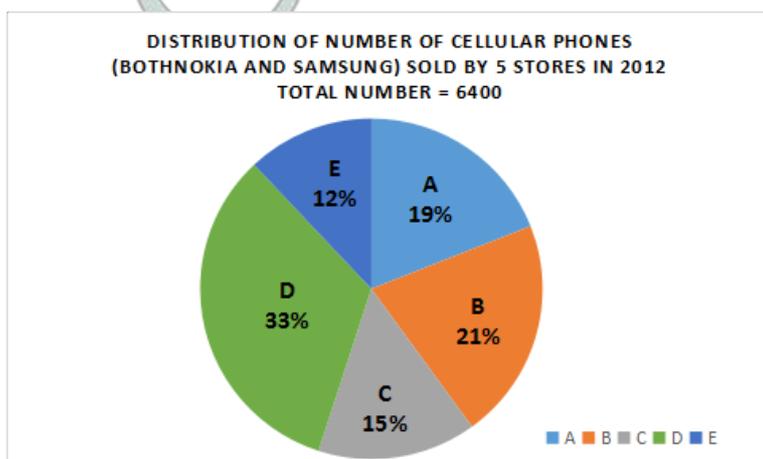= $32 : 48 : 80 = 2 : 3 : 5$

Let total profit earned = $Rs.x$

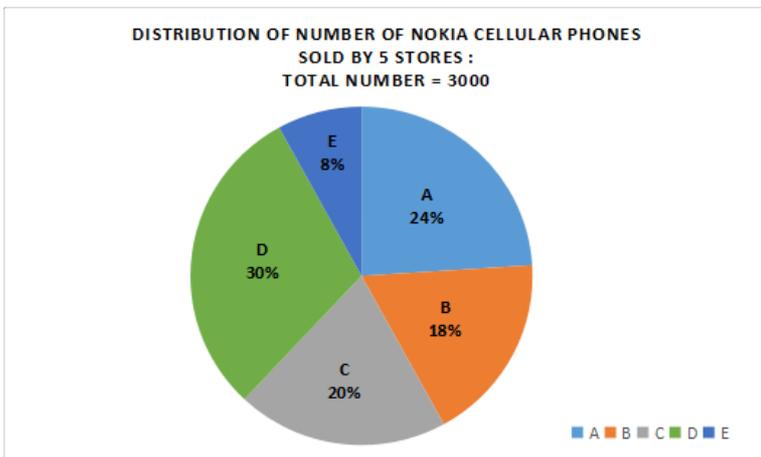Profit received by C = $\frac{5}{(2+3+5)} \times x = 12550$

=> $\frac{x}{2} = 12550$

=> $x = 12550 \times 2 = Rs.25,100$

Instructions

Refer to the following pie-charts carefully and answer the given questions.

DISTRIBUTION OF NUMBER OF CELLULAR PHONES (BOTHNOKIA AND SAMSUNG) SOLD BY 5 STORES IN 2012 TOTAL NUMBER = 6400

DISTRIBUTION OF NUMBER OF NOKIA CELLULAR PHONES
SOLD BY 5 STORES :
TOTAL NUMBER = 3000

A 24%
B 18%
C 20%
D 30%
E 8%

Question 129

Number of cellular phones (both Nokia and Samsung) sold by store B is what percent more than the number of Nokia cellular phones sold by store A?

A $82\frac{1}{3}$

B $86\frac{2}{3}$

C $84\frac{2}{3}$

D $92\frac{2}{3}$

E $78\frac{1}{3}$

Answer: B

Explanation:

Number of cellular phones (both Nokia and Samsung) sold by store B

= $\frac{21}{100} \times 6400 = 1344$

Number of Nokia cellular phones sold by store A

= $\frac{24}{100} \times 3000 = 720$

=> Required % = $\frac{1344-720}{720} \times 100$

= $\frac{260}{3} = 86\frac{2}{3}\%$

Question 130

What is the central angle corresponding to number of cellular phones (both Nokia and Samsung) sold by store D?

A 124.2°

B 112.4°

C 115.2°

D 120.8°

E 118.8°

Answer: E

Explanation:

% of cellular phones (both Nokia and Samsung) sold by store D = 33%

∵ $100\% \equiv 360°$

=> $33\% \equiv \frac{360}{100} \times 33$

= 118.8°

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Question 131

What is the average number of Samsung cellular phones sold by stores B, C and D?

A 796

B 792

C 780

D 812

E 784

   Answer: B

Explanation:

% of cellular phones (both nokia and samsung) sold by stores B,C and D together = (21 + 15 + 33)% = 69%

=> Number of cellular phones (both nokia and samsung) sold by stores B,C and D together

= $\frac{69}{100} \times 6400 = 4416$

% of nokia phones sold by stores B,C and D together = (18 + 20 + 30)% = 68%

=> Number of nokia phones sold by stores B,C and D together

= $\frac{68}{100} \times 3000 = 2040$

=> Total number of Samsung cellular phones sold by stores B, C and D = 4416 - 2040 = 2376

∴ Required average = $\frac{2376}{3} = 792$

Question 132

What is the difference between number of cellular phones (both Nokia and Samsung) sold by store A and total number of Nokia cellular phones sold by stores B and E together?

A 442

B 436

C 432

D 428

E 426

   Answer: B

Explanation:

Number of cellular phones (both Nokia and Samsung) sold by store A

= $\frac{19}{100} \times 6400 = 1216$

% of Nokia cellular phones sold by stores B and E together = (18 + 8)% = 26%

=> Number of Nokia cellular phones sold by stores B and E together = $\frac{26}{100} \times 3000 = 780$

∴ Required difference = $1216 - 780 = 436$

Question 133

Number of Samsung cellular phones sold by store E is what percent of the number of phones (both Nokia and Samsung) sold by store C?

A 55

B 45

C 60

D 65

E 50

   Answer: A

Explanation:

Total number of phones (both Nokia and Samsung) sold by store E = $\frac{12}{100} \times 6400 = 768$

Nokia phones sold by store E = $\frac{8}{100} \times 3000 = 240$

=> Samsung cellular phones sold by store E = $768 - 240 = 528$

Number of phones (both Nokia and Samsung) sold by store C = $\frac{15}{100} \times 6400 = 960$

=> Required % = $\frac{528}{960} \times 100 = 55\%$

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Instructions

For the following questions answer them individually

Question 134

There are three positive numbers, $\frac{1}{3}$rd of average of all the three numbers is 8 less than the value of the highest number. Average of the lowest and the second lowest number is 8. Which is the highest number?

A 11

B 14

C 10

D 9

E 13

   Answer: A

Explanation:

Let the three positive numbers be x, y, z (where $x < y < z$)

Average of the three numbers = $\frac{x+y+z}{3}$

Acc. to ques, => $\frac{1}{3} \times \left(\frac{x+y+z}{3}\right) = z - 8$

=> $x + y + z = 9z - 72$

=> $x + y = 8z - 72$

Dividing both sides by 2, we get :

=> $\frac{x+y}{2} = 4z - 36$

Also, average of the lowest and the second lowest number is 8, => $\frac{x+y}{2} = 8$

=> $4z - 36 = 8$

=> $4z = 8 + 36 = 44$

=> $z = \frac{44}{4} = 11$

Question 135

A sum of money was invested for 14 years was in Scheme A which offers simple interest at a rate of 8% p.a. The amount received from Scheme A after 14 years was then invested for two years in Scheme B which offers compound interest (compounded annually) at a rate of 10% p.a. If the interest received from Scheme B was Rs. 6,678, what was the sum invested in Scheme A?

A Rs. 15,500

B Rs. 14,500

C Rs. 16,500

D Rs. 12,500

E Rs. 15,000

Answer: E

Explanation:

Let the sum invested in scheme A = $Rs.100x$

Time = 14 years and rate = 8% under simple interest

=> $S.I. = \frac{P \times R \times T}{100}$

= $\frac{100x \times 8 \times 14}{100} = 112x$

=> Amount invested in Scheme B = $100x + 112x = Rs.212x$

Time = 2 years and rate = 10% under compound interest.

$C.I. = P[(1 + \frac{R}{100})^T - 1]$

=> $6678 = 212x[(1 + \frac{10}{100})^2 - 1]$

=> $6678 = 212x[(\frac{11}{10})^2 - 1] = 212x(\frac{21}{100})$

=> $0.21x = \frac{6678}{212} = 31.5$

=> $x = \frac{31.5}{0.21} = 150$

∴ Sum invested in scheme A = $100 \times 150 = Rs.15,000$

Question 136

4 years ago, the respective ratio between $\frac{1}{2}$ of A's age at that time and four times of B's age at that time was 5: 12. Eight years hence $\frac{1}{2}$ of A's age at that time will be less than B's age at that time by 2 years. What is B's present age ?

A 10 years

B 14 years

C 12 years

D 5 years

E 8 years

Answer: A

Explanation:

Let B's present age = x years

and A's present age = y years

Acc. to ques, => $\dfrac{\frac{1}{2}(y-4)}{4(x-4)} = \dfrac{5}{12}$

=> $6(y-4) = 20(x-4)$

=> $6y - 24 = 20x - 80$

=> $10x - 3y = 28$ ----------(i)

Also, $(x+8) - \frac{1}{2}(y+8) = 2$

=> $2x + 16 - y - 8 = 4$

=> $2x - y = -4$ ----------(ii)

Applying the operation, (i) - 3*(ii), we get :

=> $(10x - 6x) + (-3y + 3y) = 28 + 12$

=> $x = \dfrac{40}{4} = 10$ years

Instructions

Study the table and answer the given questions –
Data related to salary structure of 5 individuals from different organisations in March.

Individuals	Basic Salary in (Rs.)	Total Allowance in (Rs.)	Total Deduction in (Rs.)	Net Salary in (Rs.)
P	21800	28600	-	-
Q	-	-	4350	25850
R	10400	12400	2800	20000
S	11200	13800	-	-
T	-	21600	5700	-

Note: (i) Total Deduction = Provident Fund Deduction (which is 10% of basic salary) + Other deduction

(ii) Net Salary = Basic Salary + Total Allowance – Total Deduction

(iii) Few values are missing in the table (indicated by -). A candidate is expected to calculate the missing value, if it is required to answer the given question, on the, basis of the given data and information.

Question 137

If other deduction of P was Rs. 4,720, what was his net salary?

A   Rs. 42,500

B   Rs. 43,500

C   Rs. 43,000

D   Rs. 41,500

E   Rs. 42,000

Answer: B

Explanation:
For P, other deduction = Rs. 4,720

Basic salary = Rs. 21,800

=> Total deduction = Provident fund deduction (10% of basic salary) + other deduction

= $\left(\dfrac{10}{100} \times 21800\right) + 4720$

= $2180 + 4720 = Rs. 6,900$

$\therefore$ Net salary = $21,800 + 28,600 - 6,900 = Rs.43,500$

Question 138

If Q's total allowance was Rs. 3,000 more than his basic salary, what was his total allowance?

A Rs. 17,000

B Rs. 17,500

C Rs. 16,000

D Rs. 16,600

E Rs. 15,500

Answer: D

Explanation:

Let Q's total allowance = $Rs.x$

=> Q's basic salary = $Rs.(x - 3,000)$

Net salary = Basic salary + total allowance - total deduction

=> $25850 = (x - 3000) + (x) - 4350$

=> $25850 = 2x - 7350$

=> $2x = 25850 + 7350 = 33200$

=> $x = \frac{33200}{2} = Rs.16,600$

Question 139

If the respective ratio of Provident Fund deduction and other deduction and other deduction of S was 7 : 13, what was S's other deduction ?

A Rs. 2,160

B Rs. 2,080

C Rs. 2,120

D Rs. 2,040

E Rs. 1,980

Answer: B

Explanation:
For S,

Let provident fund deduction = $Rs.7x$

and other deduction = $Rs.13x$

Basic salary = Rs. 11,200

=> Provident fund deduction = 10% of basic salary

=> $7x = \frac{10}{100} \times 11200$

=> $7x = 1120$

=> $x = \frac{1120}{7} = 160$

$\therefore$ S's other deduction = $13 \times 160 = Rs.2,080$

Question 140

Basic salary of S is what percent more than the basic salary of R?

A $6\frac{4}{13}$

B $5\frac{7}{13}$

C $9\frac{9}{13}$

D $11\frac{7}{13}$

E $7\frac{9}{13}$

Answer: E

Explanation:

Basic salary of S = Rs. 11,200

Basic salary of R = Rs. 10,400

=> Required % = $\frac{11200-10400}{10400} \times 100$

= $\frac{100}{13} = 7\frac{9}{13}\%$

Question 141

If other deduction of T was Rs. 4,000, what was his net salary?

A Rs. 32,500

B Rs. 31,900

C RS. 32,700

D Rs. 31,700

E Rs. 32,900

Answer: E

Explanation:

For T,

Other deduction = Rs. 4,000 and Total deduction = Rs. 5,700

Let basic salary = $Rs.100x$

=> Total deduction = Provident fund deduction (10% of basic salary) + other deduction

=> $5700 = (\frac{10}{100} \times 100x) + 4000$

=> $10x = 5700 - 4000 = 1700$

=> $x = \frac{1700}{10} = 170$

=> Basic salary = $100 \times 170 = Rs.17,000$

$\therefore$ Net salary = $17,000 + 21,600 - 5,700 = Rs.32,900$

Instructions

In the following questions two equations numbered I and II are given. You have to solve both the equations and Give answer a: if x > y

Give answer b: if x ≥ y
Give answer c: if x < y
Give answer d: if x ≤ y
Give answer e: if x = y or the relationship cannot be established.

Question 142

I. $x^2 - 3x - 88 = 0$
II. $y^2 + 8y - 48 = 0$

A if x > y

B if x ≥ y

C if x < y

D if x ≤ y

E if x = y or the relationship cannot be established.

Answer: E

Explanation:
I.$x^2 - 3x - 88 = 0$

=> $x^2 + 8x - 11x - 88 = 0$

=> $x(x + 8) - 11(x + 8) = 0$

=> $(x + 8)(x - 11) = 0$

=> $x = -8, 11$

II.$y^2 + 8y - 48 = 0$

=> $y^2 + 12y - 4y - 48 = 0$

=> $y(y + 12) - 4(y + 12) = 0$

=> $(y + 12)(y - 4) = 0$

=> $y = -12, 4$

∴ No relation can be established.

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Question 143

I. $5x^2 + 29x + 20 = 0$
II. $25y^2 + 25y + 6 = 0$

A if x > y

B if x ≥ y

C if x < y

D if x ≤ y

E if x = y or the relationship cannot be established.
Answer: C

Explanation:
I.$5x^2 + 29x + 20 = 0$

=> $5x^2 + 25x + 4x + 20 = 0$

=> $5x(x+5) + 4(x+5) = 0$

=> $(x+5)(5x+4) = 0$

=> $x = -5, \frac{-4}{5}$

II. $25y^2 + 25y + 6 = 0$

=> $25y^2 + 10y + 15y + 6 = 0$

=> $5y(5y+2) + 3(5y+2) = 0$

=> $(5y+3)(5y+2) = 0$

=> $y = \frac{-3}{5}, \frac{-2}{5}$

Therefore $x < y$

Question 144

I. $2x^2 - 11x + 12 = 0$
II. $2y^2 - 19y + 44 = 0$

A if x > y

B if x ≥ y

C if x < y

D if x ≤ y

E if x = y or the relationship cannot be established.

Answer: D

Explanation:
I. $2x^2 - 11x + 12 = 0$

=> $2x^2 - 8x - 3x + 12 = 0$

=> $2x(x-4) - 3(x-4) = 0$

=> $(x-4)(2x-3) = 0$

=> $x = 4, \frac{3}{2}$

II. $2y^2 - 19y + 44 = 0$

=> $2y^2 - 8y - 11y + 44 = 0$

=> $2y(y-4) - 11(y-4) = 0$

=> $(y-4)(2y-11) = 0$

=> $y = 4, \frac{11}{2}$

$\therefore x \leq y$

Question 145

I. $3x^2 + 10x + 8 = 0$
II. $3y^2 + 7y + 4 = 0$

A if x > y

B if x ≥ y

C if x < y

D   if x ≤ y

E   if x = y or the relationship cannot be established.

   Answer: D

Explanation:

I.$3x^2 + 10x + 8 = 0$

=> $3x^2 + 6x + 4x + 8 = 0$

=> $3x(x + 2) + 4(x + 2) = 0$

=> $(x + 2)(3x + 4) = 0$

=> $x = -2, \frac{-4}{3}$

II.$3y^2 + 7y + 4 = 0$

=> $3y^2 + 3y + 4y + 4 = 0$

=> $3y(y + 1) + 4(y + 1) = 0$

=> $(y + 1)(3y + 4) = 0$

=> $y = -1, \frac{-4}{3}$

$\therefore x \leq y$

Question 146

I. $2x^2 + 21x + 10 = 0$
II. $3y^2 + 13y + 14 = 0$

A   if x > y

B   if x ≥ y

C   if x < y

D   if x ≤ y

E   if x = y or the relationship cannot be established.

   Answer: E

Explanation:

I.$2x^2 + 21x + 10 = 0$

=> $2x^2 + x + 20x + 10 = 0$

=> $x(2x + 1) + 10(2x + 1) = 0$

=> $(x + 10)(2x + 1) = 0$

=> $x = -10, \frac{-1}{2}$

II.$3y^2 + 13y + 14 = 0$

=> $3y^2 + 6y + 7y + 14 = 0$

=> $3y(y + 2) + 7(y + 2) = 0$

=> $(y + 2)(3y + 7) = 0$

=> $y = -2, \frac{-7}{3}$

∴. No relation can be established.

Instructions

This data is regarding total number of employees working in Administration (Admin), Operations (Ops.) and other departments of corporate divisions of Companies A and B

The total number of employees working in both the companies together is 4800. The respective ratio of number of employees in Companies A and B is 5 : 7. Each employee works in only one of the mentioned departments.

In company A, 70% of the total employees are males. 60% of the total male employees work in 'Ops'. Out of the remaining male employees, $\frac{1}{8}^{th}$ work in 'Admin'.

Out of the total female employees, 24% work in 'Admin' and $\frac{5}{8}^{th}$ of the remaining female employees work in 'Ops'.

In company B, 80% of the total employees are males. 65% of the total male employees work in 'Ops'. Number of male employees who work in 'other departments' in Company B is 20% more than the male employees who work in 'Other departments in company A. Number of female employees who work in Ops in Company B are less than the number of male employees who work for 'Ops' in the same company, by 75%. Out of the remaining female employees, $\frac{1}{4}$ work in 'Admin'.

Question 147

What percent of the total number of male employees in company A work in 'other departments' ?

A   45

B   25

C   30

D   35

E   40

   Answer: D

Explanation:
Total employees in both companies = 4800

=> Employees in company A = $\frac{5}{12} \times 4800 = 2000$

In company A, total males = $\frac{70}{100} \times 2000 = 1400$

Male employees who work in Ops = $\frac{60}{100} \times 1400 = 840$

=> Male employees who work in Admin = $\frac{1}{8} \times 560 = 70$

Total females in company A = $2000 - 1400 = 600$

Female employees who work in Admin = $\frac{24}{100} \times 600 = 144$

=> Female employees who work in Ops = $\frac{5}{8} \times 456 = 285$

=> Employees working in company B = $4800 - 2000 = 2800$

Similarly, employees working in company B :

Company	Admin		Operations		Others	
	Males	Females	Males	Females	Males	Females
A	70	144	840	285	490	171
B	196	49	1456	364	588	147

Total males in company A = 70 + 840 + 490 = 1400

=> Required % = $\frac{490}{1400} \times 100 = 35\%$

Question 148

What Precent of the total number of female employees in company B work in administration department?

A 18.5

B 8.75

C 14

D 16

E 19

   Answer: B

Explanation:
Total employees in both companies = 4800

=> Employees in company A = $\frac{5}{12} \times 4800 = 2000$

In company A, total males = $\frac{70}{100} \times 2000 = 1400$

Male employees who work in Ops = $\frac{60}{100} \times 1400 = 840$

=> Male employees who work in Admin = $\frac{1}{8} \times 560 = 70$

Total females in company A = $2000 - 1400 = 600$

Female employees who work in Admin = $\frac{24}{100} \times 600 = 144$

=> Female employees who work in Ops = $\frac{5}{8} \times 456 = 285$

=> Employees working in company B = $4800 - 2000 = 2800$

Similarly, employees working in company B :

Company	Admin		Operations		Others	
	Males	Females	Males	Females	Males	Females
A	70	144	840	285	490	171
B	196	49	1456	364	588	147

Total females in company B = 49 + 364 + 147 = 560

=> Required % = $\frac{49}{560} \times 100 = 8.75\%$

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Question 149

What is the total number of female employees who work in Ops in Company A and B together?

A 681

B 781

C 689

D 649

E 788

   Answer: D

Explanation:

Total employees in both companies = 4800

=> Employees in company A = $\frac{5}{12} \times 4800 = 2000$

In company A, total males = $\frac{70}{100} \times 2000 = 1400$

Male employees who work in Ops = $\frac{60}{100} \times 1400 = 840$

=> Male employees who work in Admin = $\frac{1}{8} \times 560 = 70$

Total females in company A = $2000 - 1400 = 600$

Female employees who work in Admin = $\frac{24}{100} \times 600 = 144$

=> Female employees who work in Ops = $\frac{5}{8} \times 456 = 285$

=> Employees working in company B = $4800 - 2000 = 2800$

Similarly, employees working in company B :

Company	Admin		Operations		Others	
	Males	Females	Males	Females	Males	Females
A	70	144	840	285	490	171
B	196	49	1456	364	588	147

Total number of female employees who work in Ops in Company A and B together = 285 + 364 = 649

Question 150

What is the difference between the average number of males working in 'Admin' in both the companies together and average number of females working in 'Other Departments' in both the companies together?

A 26

B 36

C 16

D 24

E 14

   Answer: A

Explanation:

Total employees in both companies = 4800

=> Employees in company A = $\frac{5}{12} \times 4800 = 2000$

In company A, total males = $\frac{70}{100} \times 2000 = 1400$

Male employees who work in Ops = $\frac{60}{100} \times 1400 = 840$

=> Male employees who work in Admin = $\frac{1}{8} \times 560 = 70$

Total females in company A = $2000 - 1400 = 600$

Female employees who work in Admin = $\frac{24}{100} \times 600 = 144$

=> Female employees who work in Ops = $\frac{5}{8} \times 456 = 285$

=> Employees working in company B = $4800 - 2000 = 2800$

Similarly, employees working in company B :

Company	Admin		Operations		Others	
	Males	Females	Males	Females	Males	Females
A	70	144	840	285	490	171
B	196	49	1456	364	588	147

Number of males working in 'Admin' in both the companies together = 70 + 196 = 266

=> Average = $\frac{266}{2} = 133$

Number of females working in 'Other Departments' in both the companies together = 171 + 147 = 318

=> Average = $\frac{318}{2} = 159$

∴ Difference = 159 - 133 = 26

Question 151

In company B, what is the respective ratio between the total number of employees (both male and female) who work in 'Admin' and the total number of employees (both male and female) who work in 'Other department' in the same company ?

A 2 : 3

B 1 : 3

C 1 : 4

D 3 : 5

E 1 : 5

 Answer: B

Explanation:
Total employees in both companies = 4800

=> Employees in company A = $\frac{5}{12} \times 4800 = 2000$

In company A, total males = $\frac{70}{100} \times 2000 = 1400$

Male employees who work in Ops = $\frac{60}{100} \times 1400 = 840$

=> Male employees who work in Admin = $\frac{1}{8} \times 560 = 70$

Total females in company A = $2000 - 1400 = 600$

Female employees who work in Admin = $\frac{24}{100} \times 600 = 144$

=> Female employees who work in Ops = $\frac{5}{8} \times 456 = 285$

=> Employees working in company B = $4800 - 2000 = 2800$

Similarly, employees working in company B :

Company	Admin		Operations		Others	
	Males	Females	Males	Females	Males	Females
A	70	144	840	285	490	171
B	196	49	1456	364	588	147

In company B,

Total number of employees (both male and female) who work in 'Admin' = 196 + 49 = 245

Total number of employees (both male and female) who work in 'Other department' = 588 + 147 = 735

=> Required ratio = $\frac{245}{735} = 1 : 3$

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Instructions
For the following questions answer them individually

Question 152

Monthly salaries of Pia and Som are in the respective ratio of 5: 4. Pia, from her monthly salary, gives $\frac{3}{5}$th to her mother. 15% towards her sister's tuition fees, 18% towards a loan and she shops with the remaining amount which was Rs. 2,100. What is the monthly salary of Som ?

A Rs.25,000

B Rs.30.000

C Rs.15,000

D Rs.20,000

E Rs.24,000

Answer: E

Explanation:
Let monthly salary of Pia = $Rs.500x$

=> Monthly salary of Som = $Rs.400x$

Amount given by Pia to her mother = $\frac{3}{5} \times 500x = 300x$

Amount for her sister tuition fees = $\frac{15}{100} \times 500x = 75x$

Amount for loan = $\frac{18}{100} \times 500x = 90x$

=> Amount left = $500x - (300x + 75x + 90x) = 2100$

=> $500x - 465x = 35x = 2100$

=> $x = \frac{2100}{35} = 60$

∴ Som's salary = $400 \times 60 = Rs.24,000$

Question 153

12 men can finish a project in 20 days. 18 women can finish the same project in 16 days and 24 children can finish it in 18 days. 8 women and 16 children worked for 9 days and then left. In how many days will 10 men complete the remaining project ?

A $10\frac{1}{2}$

B 10

C 9

D $11\frac{1}{2}$

E $9\frac{1}{2}$

Answer: B

Explanation:

12 men can finish the project in 20 days.

=> 1 day work of 1 man = $\frac{1}{12\times20} = \frac{1}{240}$

Similarly, => 1 day work of 1 woman = $\frac{1}{18\times16} = \frac{1}{288}$

=> 1 day work of 1 children = $\frac{1}{24\times18} = \frac{1}{432}$

8 women and 16 children worked for 9 days

=> Work done in 9 days = $9 \times \left(8 \times \frac{1}{288}\right) + \left(16 \times \frac{1}{432}\right)$

= $9 \times \left(\frac{1}{36} + \frac{1}{27}\right) = 9 \times \frac{7}{108}$

= $\frac{7}{12}$

=> Work left = $1 - \frac{7}{12} = \frac{5}{12}$

∴ Number of days taken by 10 men to complete the remaining work

= $\frac{\frac{5}{12}}{\frac{10}{240}} = \frac{1}{24} \times \frac{12}{5} = \frac{1}{10}$

Thus, 10 men will complete the remaining the work in 10 days.

Question 154

An item was bought at Rs. X and sold at Rs. Y, there by earning a profit of 20%. Had the value of X been 15% less and the value of Y been Rs. 76 less, a profit of 30% would have been earned. What was the value of 'X'

A Rs. 640

B Rs.400

C Rs.600

D Rs.800

E Rs.840

Answer: D

Explanation:

C.P. = $Rs.x$

S.P. = $Rs.y$

Profit % = $\frac{y-x}{x} \times 100 = 20$

=> $\frac{y-x}{x} = \frac{20}{100} = \frac{1}{5}$

=> $5y - 5x = x$ => $6x = 5y$

=> $y = \frac{6x}{5}$ ---------(i)

If, value of X been 15% less and the value of Y been Rs. 76 less

=> $x' = \frac{85}{100} \times x = \frac{17x}{20}$

=> $y' = y - 76$

Profit % = $\frac{y'-x'}{x'} \times 100 = 30$

=> $\frac{(y-76)-(\frac{17x}{20})}{\frac{17x}{20}} = \frac{30}{100} = \frac{3}{10}$

=> $10 \times [(y-76) - (\frac{17x}{20}] = 3 \times \frac{17x}{20}$

=> $10y - 760 - \frac{170x}{20} = \frac{51x}{20}$

=> $10y - \frac{221x}{20} = 760$

Using, equaiton (i), we get :

=> $(10 \times \frac{6x}{5}) - \frac{221x}{20} = 760$

=> $12x - \frac{221x}{20} = 760$

=> $\frac{19x}{20} = 760$

=> $x = 760 \times \frac{20}{19}$

=> $x = 40 \times 20 = Rs.800$

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Instructions

Refer to the graph and answer the given questions.

Data related to number of projects handled by two companies

(A and B) during 5 years)
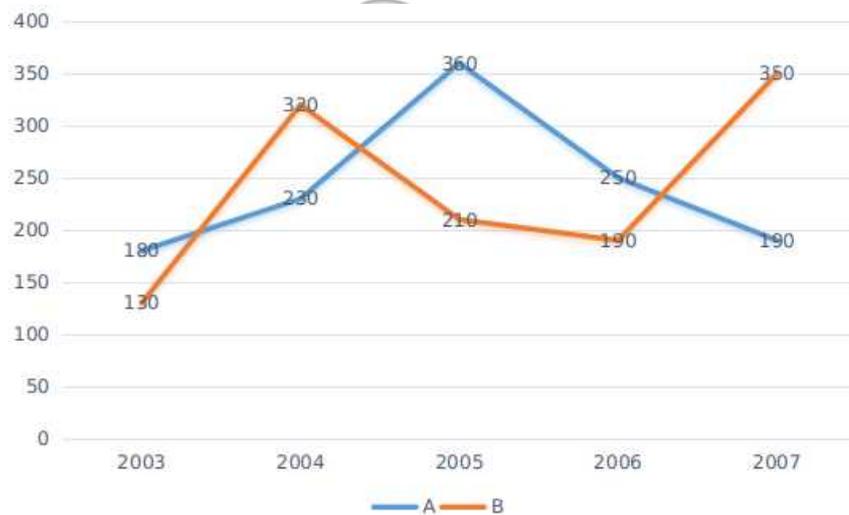
Question 155

Out of the total number of projects handled by company A in 2005 and 2006 together, 20% were Governmental projects. What was the total number of governmental projects handled by company A in 2005 and 2006 together?

A   108

B   132

C   128

D 116

E 122

    Answer: E

Explanation:

Total number of projects handled by company A in 2005 and 2006 together = 360 + 250 = 610

20 % of these are governmental projects.

=> Total number of governmental projects handled by company A in 2005 and 2006 together

= $\frac{20}{100} \times 610 = 122$

Question 156

The projects handled by company B can be broadly classified into two types : Governmental projects and Nongovernmental projects. If the average number of nongovernmental projects handled by company B in 2003 and 2004 is 127, what is the total number of governmental projects handled by the same company in 2003 and 2004 together ?

A 204

B 188

C 192

D 196

E 212

    Answer: D

Explanation:

Total number of projects handled by company B in 2003 and 2004 = 130 + 320 = 450

Average number of nongovernmental projects handled by company B in 2003 and 2004 = 127

=> Total non governmental projects handled = 127 * 2 = 254

∴ Total number of governmental projects handled by the same company in 2003 and 2004 together

= 450 - 254 = 196

Question 157

The number of projects handled by company B decreased by what percent from 2004 to 2006?

A $35\frac{3}{8}$

B $30\frac{7}{8}$

C $50\frac{3}{8}$

D $45\frac{3}{8}$

E $40\frac{5}{8}$

    Answer: E

Explanation:

The number of projects handled by company B in 2004 = 320

The number of projects handled by company B in 2006 = 190

=> Required % decrease = $\frac{320-190}{320} \times 100$

$= \frac{325}{8} = 40\frac{5}{8}\%$

Question 158

If the number of projects handled by company A increased by 20% from 2007 to 2008 and by 5% from 2008 to 2009, what was the number of projects handled by company A in 2009?

A 378

B 372

C 384

D 396

E None of these

   Answer: E

Explanation:

Number of projects handled by company A in 2007 = 190

=> Number of projects handled by company A in 2008 = $190 + \frac{20}{100} \times 190$

= $190 + 38 = 228$

∴ Number of projects handled by company A in 2009 = $228 + \frac{5}{100} \times 228$

= $228 + 11.4 = 239.4$

Question 159

What is the difference between the total number of projects handled by company A in 2003 and 2004 together and total number of projects handled by company B in 2005 and 2007 together?

A 120

B 150

C 130

D 180

E 368

   Answer: B

Explanation:

Total number of projects handled by company A in 2003 and 2004 together

= 180 + 230 = 410

Total number of projects handled by company B in 2005 and 2007 together

= 210 + 350 = 560

=> Required difference = 560 - 410 = 150

Instructions
For the following questions answer them individually

Question 160

The speed of the boat in still water is 24 kmph and the speed of the stream is 41cm/h. The time taken by the boat to travel from A to B downstream is 36 minutes less than the time taken by the same boat to travel from B to'C upstream. If the distance between A and B is 4 km more than the distance between B and C, what is the distance between A and B?

A 112 km

B 1401cm

C 56 km

D 841cm

E 281cm

    Answer: C

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Reasoning

Instructions

For the following questions answer them individually

Question 161

Which of the following statements will be definitely true if the expression `V < E > B = H ≥ N ≥ P is definitely true?

A P ≤ B

B H < V

C N ≤ V

D E ≥ N

E E ≥ P

    Answer: A

Explanation:

Expression : V < E > B = H ≥ N ≥ P

=> $E > B = H \geq N \geq P$ and $E > V$

Thus, the only true statement is = $P \leq B$

=> Ans - (A)

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Question 162

Which of the following is definitely true if the statements given below are considered to be true?(You have to take the given statements to be true even if they seem to be at variance from commonly known facts and then decide which of the given Conclusions logically follows from the given statements disregarding commonly known facts.)
No kite is a bird.
All reptiles are birds.
All kites are amphibians.
All amphibians are plants.

A All amphibians being birds is a possibility.

B All plants being reptiles is a possibility.

C At least some reptiles are amphibians.

D   All kites are plants.

E   At least some plants are reptiles

Answer: D

Question 163

Which of the following symbols should be placed in blank spaces respectively (in the same order from left to right) in order to complete the given expression in such a manner that both 'W > R as well as 'E ≥ S' definitely hold true? W_E_A_R_ S

A   >, =, ≥, ≥

B   >, ≥, =, >

C   ≤, ≥, =, ≥

D   ≤, =, >, ≥

E   ≥, <, ≤, =

Answer: A

Explanation:
Given : $W > R$ and $E \geq S$

Now, for above statements to be true, the expression :

$$W > E = A \geq R \geq S$$

=> Ans - (A)

Instructions

Study the following information carefully and answer the questions given below:
Each of the six persons, P, Q, R. S. T and U has travelled to different number of countries. R has travelled to more number of countries than only S and T. Q has travelled to more number of countries than U but less than P. T is not the person who has travelled to least number of countries. The one who has travelled to second highest number of countries has travelled to 8 countries. The one who has travelled to the least number of countries has travelled to only two countries.

Question 164

Who amongst the following has possibly travelled to 11 countries?

A   P

B   R

C   T

D   Q

E   S

Answer: A

Explanation:
R has travelled to more number of countries than only S and T and T did not travelled the least.

=> S travelled the least, and the least 3 travelling members are = R > T > S

Also, Q has travelled to more number of countries than U but less than P, => P > Q > U

∴ P > Q > U > R > T > S

Q travelled = 8 countries and S = 2 countries

Since, Q who is the second highest traveller has been to 8 countries.

Thus, only the highest traveller i.e. P has possibly travelled to 11 countries.

=> Ans - (A)

Question 165

If it is given that R has travelled to four countries less than the number of countries travelled by Q, then to how many countries has U possibly travelled?

A 4

B 9

C 3

D 6

E 10

Answer: D

Explanation:
R has travelled to more number of countries than only S and T and T did not travelled the least.

=> S travelled the least, and the least 3 travelling members are = R > T > S

Also, Q has travelled to more number of countries than U but less than P, => P > Q > U

∴ P > Q > U > R > T > S

Q travelled = 8 countries and S = 2 countries

Countries travelled by R = 8 - 2 = 4

Since, U lies between Q and R, => Possible number of countries travelled by U can be either 5 or 6.

=> Ans - (D)

Instructions

Study the following information carefully and answer the questions given below:
In a certain code language,
'few organic farming techniques' is written as 'li gs da Cr'
'fertilizer products few available' Is written 'fo pz nb gs"
'organic waste into fertilizer' is written 'nb Cr pt mk'
'disposal of farming waste' is written as 'hu mk li yu'
(All codes are two letter codes only)

Question 166

What will be the code for 'few waste' in the given code language?

A gs li

B pt da

C da mk

D Other than those given as options

E mk gs

Answer: E

Explanation:
From statement 1 & 2, common word is 'few' coded as 'gs'.

Similarly, from 3 & 4, code for 'waste = mk'

Thus, code for 'few waste' is the combination of = 'mk gs'

=> Ans - (E)

Question 167

What is the code for 'organic' in the given code language?

A   gs

B   cr

C   da

D   pt

E   Other than those given as options

   Answer: B

Explanation:
From statements 1 and 3, the common word is organic.

Thus, organic is coded as = 'cr'

=> Ans - (B)

Question 168

In the given code language, what does the code 'yu. stand for?

A   farming

B   techniques

C   either 'of' or 'disposal'

D   waste

E   either 'into' or 'few'

   Answer: C

Explanation:
From statement 1 & 4, common word is 'farming' coded as 'li'.

Similarly, from 3 & 4, code for 'waste = mk'

Now, in statement 4, two words are left, i.e. 'disposal' and 'of' coded as 'hu' or 'yu' interchangeably.

Thus, the code 'yu' stans for = 'disposal' or 'of'

=> Ans - (C)

Question 169

If 'waste management techniques' is coded as 'ax da mk' in the given code language, then how will 'farming fertilizer management' be coded as?

A   ax nb cr

B   liaxpt

C gs nb li

D nb ax li

E Other than those given as options

    Answer: D

Explanation:
From statement 1 & 2, common word is 'few' coded as 'gs'.

From 1 & 4, code for 'farming = li'

From 1 & 3, code for 'organic = cr'

From above statements, in statement 1, code for 'techniques = da'

Similarly, from 2 & 3, code for 'fertilizer = nb'

From 3 & 4, code for 'waste = mk'

Now, it is given that code for 'waste management techniques' = 'ax da mk'

=> Since, we already know codes for waste and technique, => code for 'management = ax'

Thus, code for 'farming fertilizer management' is any combination of 'li nb ax'

=> Ans - (D)

Question 170

What is the code for 'available' in the given code language?

A either 'pz' or 'fo'

B either 'nb' or 'mk'

C li

D hu

E Other than those given as options

    Answer: A

Explanation:
From statement 1 & 2, common word is 'few' coded as 'gs'.

Similarly, from 2 & 3, code for 'fertilizer = nb'

Now, in statement 2, two words are left, i.e. 'products' and 'available' coded as 'fo' or 'pz' interchangeably.

Thus, code for available = 'pz' or 'fo'

=> Ans - (A)

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Instructions

Study the following information carefully and answer the questions given below:
Eight persons — K, L, M, N, O, P, Q and R — live on eight different floors of a building but not necessarily in the same order. The lower most floor of the building in numbered one, the one above that is numbered two and so on till the topmost floor is numbered eight. Each of them also likes a different superhero namely, Batman, Superman, Captain America, Thor, Hulk, Wolverine, Nova and Ironman, but not necessarily in the same order.
• The one who likes Thor lives on an even numbered floor. Only three persons live between the one who likes Thor and M.
• Only two persons live between M and N. N does not live on the lowermost floor. Only three persons live between N and the one who likes Hulk.
• O lives immediately above K. 0 lives on an even numbered floor. K does not like Hulk. K lives neither on floor numbered three nor five.
• Only two persons live between K and the one who likes Nova.

• Only one person lives between the one who likes Nova and Ironman. The one who like Ironman lives below the one who likes Nova.
• L lives immediately above Q. Only one person lives between Q and the one who likes Captain America.
• The one who likes Wolverine lives immediately above the one who likes Batman.
• P does not like Thor. K does not like Superman.

Question 171

Which of the following pairs represent those who lives immediately above and immediately below N?

A   R, L

B   Other than those given as options

C   L, M

D   K, Q

E   R, g

   Answer: A

Explanation:

O lives immediately above K and O lives on an even numbered floor, but K lives neither on floor numbered three nor five.

=> O lives on topmost floor i.e. 8 and K lives on 7th floor.

Only two persons live between K and the one who likes Nova, => Person who likes Nova lives on 4th floor.

Only one person lives between the one who likes Nova and Ironman and the one who like Ironman lives below the one who likes Nova.

=> Person who likes Ironman lives on 2nd floor.

Also, person who like thor lives on even numbered floor. If he lives on top floor, then M lives on 4th floor and N on ground floor i.e., 1st floor which is not possible.

=> The person who like Thor lives on 6th floor and M lives on 2nd floor, thus, N lives on 5th floor and person who likes Hulk lives on 1st floor.

Also, L and Q lives on 4th and 3rd floors respectively. The arrangement :

Floor	Person	Superhero
8	O	Wolverine
7	K	Batman
6	R	Thor
5	N	Captain America
4	L	Nova
3	Q	Superman
2	M	Ironman
1	P	Hulk

R and L lives immediately above and below N.

=> Ans - (A)

Question 172

Four of the following five are alike in a certain way as per the given arrangement and so form a group. Which of the following does not belong to that group?

A   K - Floor numbered Five

B   Q - Floor numbered Six

C   L - Floor numbered Two

D N - Floor numbered Seven

E R - Floor numbered Eight

Answer: B

Explanation:

O lives immediately above K and O lives on an even numbered floor, but K lives neither on floor numbered three nor five.

=> O lives on topmost floor i.e. 8 and K lives on 7th floor.

Only two persons live between K and the one who likes Nova, => Person who likes Nova lives on 4th floor.

Only one person lives between the one who likes Nova and Ironman and the one who like Ironman lives below the one who likes Nova.

=> Person who likes Ironman lives on 2nd floor.

Also, person who like thor lives on even numbered floor. If he lives on top floor, then M lives on 4th floor and N on ground floor i.e., 1st floor which is not possible.

=> The person who like Thor lives on 6th floor and M lives on 2nd floor, thus, N lives on 5th floor and person who likes Hulk lives on 1st floor.

Also, L and Q lives on 4th and 3rd floors respectively. The arrangement :

Floor	Person	Superhero
8	O	Wolverine
7	K	Batman
6	R	Thor
5	N	Captain America
4	L	Nova
3	Q	Superman
2	M	Ironman
1	P	Hulk

The pattern followed is that there is a gap of 1 floor in all the above options except Q and 6th floor, where the gap is 2 floors.

=> Ans - (B)

Question 173

Which of the following superheroes does R like?

A Other than those given as options

B Superman

C Nova

D Thor

E Batman

Answer: D

Explanation:

O lives immediately above K and O lives on an even numbered floor, but K lives neither on floor numbered three nor five.

=> O lives on topmost floor i.e. 8 and K lives on 7th floor.

Only two persons live between K and the one who likes Nova, => Person who likes Nova lives on 4th floor.

Only one person lives between the one who likes Nova and Ironman and the one who like Ironman lives below the one who likes Nova.

=> Person who likes Ironman lives on 2nd floor.

Also, person who like thor lives on even numbered floor. If he lives on top floor, then M lives on 4th floor and N on ground floor i.e., 1st

floor which is not possible.

=> The person who like Thor lives on 6th floor and M lives on 2nd floor, thus, N lives on 5th floor and person who likes Hulk lives on 1st floor.

Also, L and Q lives on 4th and 3rd floors respectively. The arrangement :

Floor	Person	Superhero
8	O	Wolverine
7	K	Batman
6	R	Thor
5	N	Captain America
4	L	Nova
3	Q	Superman
2	M	Ironman
1	P	Hulk

Clearly, R likes Thor.

=> Ans - (D)

Question 174

Which of the following superheroes does P like?

A   Ironman

B   Wolverine

C   Batman

D   Captain America

E   Other than those given as options

  Answer: E

Explanation:
O lives immediately above K and O lives on an even numbered floor, but K lives neither on floor numbered three nor five.

=> O lives on topmost floor i.e. 8 and K lives on 7th floor.

Only two persons live between K and the one who likes Nova, => Person who likes Nova lives on 4th floor.

Only one person lives between the one who likes Nova and Ironman and the one who like Ironman lives below the one who likes Nova.

=> Person who likes Ironman lives on 2nd floor.

Also, person who like thor lives on even numbered floor. If he lives on top floor, then M lives on 4th floor and N on ground floor i.e., 1st floor which is not possible.

=> The person who like Thor lives on 6th floor and M lives on 2nd floor, thus, N lives on 5th floor and person who likes Hulk lives on 1st floor.

Also, L and Q lives on 4th and 3rd floors respectively. The arrangement :

Floor	Person	Superhero
8	O	Wolverine
7	K	Batman
6	R	Thor
5	N	Captain America
4	L	Nova
3	Q	Superman
2	M	Ironman
1	P	Hulk

P likes hulk. It is not given in the above options.

=> Ans - (E)

Question 175

N lives on which of the following floor numbers?

A Five

B Three

C Seven

D One

E Other than those given as options

Answer: A

Explanation:

O lives immediately above K and O lives on an even numbered floor, but K lives neither on floor numbered three nor five.

=> O lives on topmost floor i.e. 8 and K lives on 7th floor.

Only two persons live between K and the one who likes Nova, => Person who likes Nova lives on 4th floor.

Only one person lives between the one who likes Nova and Ironman and the one who like Ironman lives below the one who likes Nova.

=> Person who likes Ironman lives on 2nd floor.

Also, person who like thor lives on even numbered floor. If he lives on top floor, then M lives on 4th floor and N on ground floor i.e., 1st floor which is not possible.

=> The person who like Thor lives on 6th floor and M lives on 2nd floor, thus, N lives on 5th floor and person who likes Hulk lives on 1st floor.

Also, L and Q lives on 4th and 3rd floors respectively. The arrangement :

Floor	Person	Superhero
8	O	Wolverine
7	K	Batman
6	R	Thor
5	N	Captain America
4	L	Nova
3	Q	Superman
2	M	Ironman
1	P	Hulk

N lives on 5th floor.

=> Ans - (A)

Question 176

As per the given arrangement, P is related to Nova and N is related to Wolverine in a certain way. To which of the following is M related to in the same way?

A   Superman

B   Batman

C   Captain America

D   Thor

E   Hulk

   Answer: C

Explanation:

O lives immediately above K and O lives on an even numbered floor, but K lives neither on floor numbered three nor five.

=> O lives on topmost floor i.e. 8 and K lives on 7th floor.

Only two persons live between K and the one who likes Nova, => Person who likes Nova lives on 4th floor.

Only one person lives between the one who likes Nova and Ironman and the one who like Ironman lives below the one who likes Nova.

=> Person who likes Ironman lives on 2nd floor.

Also, person who like thor lives on even numbered floor. If he lives on top floor, then M lives on 4th floor and N on ground floor i.e., 1st floor which is not possible.

=> The person who like Thor lives on 6th floor and M lives on 2nd floor, thus, N lives on 5th floor and person who likes Hulk lives on 1st floor.

Also, L and Q lives on 4th and 3rd floors respectively. The arrangement :

Floor	Person	Superhero
8	O	Wolverine
7	K	Batman
6	R	Thor
5	N	Captain America
4	L	Nova
3	Q	Superman
2	M	Ironman
1	P	Hulk

The person who likes Nova is living three floors above P. Similarly, person who likes wolverine is living three floors above N.

Following the same pattern, M is related to Captain America.

=> Ans - (C)

GK Study Material for Banking exams (Download PDF)

Instructions
For the following questions answer them individually

Question 177

Study the following information carefully to answer the question given below :A fatal disease has spread across the 'Spatter' village of State X. Even though the prescribed medicine is abundantly available in one of the cities near 'Spatter' which can cure the disease, the Medical Association of the State has decided not to allow the medicine to be transported to 'Spatter' and is calling the infected people to the city to be injected with the medicine.
Which of the following can be a reason behind the decision of the Medical Association?

A   The Association may not be able to earn high profits from selling the medicine to 'Spatter'.

B   Many of the villagers may not be able to afford the medicine as it is highly priced.

C   The disease has started to spread in other villages also, making it challenging for the Association to provide the medicine everywhere.

D   Reportedly, many of the villagers are trying home remedies to reduce the effect of the disease and hence they may not require the medicine.

E   If the medicine is not injected under the prescribed controlled environments, it may have adverse effects.

  Answer: E

Explanation:

The Medical Association values welfare, not profit. Hence option (a) is ruled out.

Options (b), (c) and (d) are ruled out because the medicine is 'abundantly available".

Thus (e) seems to be the reason, moving the medicine to the village might lead to the loss of the "prescribed controlled environments".

=> Ans - (E)

Instructions

In each of the following questions, relationship between different elements is shown in the statements. The statements are followed by two Conclusions numbered I and II. Study the Conclusions based on the given statements and mark the appropiate answer.
Give answer a: if both the Conclusion I and Conclusion II are true
Give answer b: if neither Conclusion I nor Conclusion II is true
Give answer c: if either Conclusion I or Conclusion IIIs true
Give answer d: if only Conclusion I is true
Give answer e: if only Conclusion IIIs true

Question 178

Statements :
F = A < L ≤ C > O ≥ N : Y > L ; Q > C
Conclusions :
I. Y ≤ N
II. Q > F

A   if both the Conclusion I and Conclusion II are true

B   if neither Conclusion I nor Conclusion II is true

C   if either Conclusion I or Conclusion IIIs true

D   if only Conclusion I is true

E   if only Conclusion IIIs true

  Answer: A

Question 179

Statements :
R ≥ K = H >N ≥ A < S;
N ≥ M >T
Conclusions:
I. K > T
II. R > M

A   if both the Conclusion I and Conclusion II are true

B   if neither Conclusion I nor Conclusion II is true

C   if either Conclusion I or Conclusion IIIs true

D   if only Conclusion I is true

E   if only Conclusion IIIs true

   Answer: A

Question 180

Statements:
S < P ≤ C = D < L > K;
D ≤ T < G
Conclusions:
I. G > S
II. T ≥ K

A   if both the Conclusion I and Conclusion II are true

B   if neither Conclusion I nor Conclusion II is true

C   if either Conclusion I or Conclusion IIIs true

D   if only Conclusion I is true

E   if only Conclusion IIIs true

   Answer: D

Instructions

Study the following information carefully and answer the questions given below:
Eight friends — J, K, L, M, N, 0, P and Q — are sitting around a circular table but not necessarily in the same order. Some of them are facing the centre and some of them are facing outside. (i.e. in a direction opposite to the centre.)
Facing the same direction means if one person faces the centre then the other also faces the centre and vice-versa. Facing the opposite direction means if one person faces the centre then the other faces outside and vice-versa.
Immediate neighbours facing the same direction means if one neighbour faces the centre then the other also faces the centre and vice-versa.
Immediate neighbours facing the opposite direction means if one neighbour faces the centre then the other faces outside and vice-versa.
• Only one person sits between K and 0. Q sits third to the right of 0.
• M sits to the immediate right of Q. Q faces outside.
• L sits second to the left of P. P is not an immediate neighbour of 0.
• L faces a direction opposite to that of 0. Immediate neighbours of L face opposite directions.
• J sits third to the left of N. J is not an immediate neighbour of P nor K.
• M and J face a direction same as that of N.

Question 181

Four of the following five are alike in a certain way based on the directions they are forming and so form a group. Which is the one that does not belong to that group?

A   KL

B   QM

C   PQ

D   NJ

E QL

   Answer: B

Explanation:

Q faces outside and M sits to the immediate right of Q.

Also, Q sits third to the right of O and one person sits between K and O
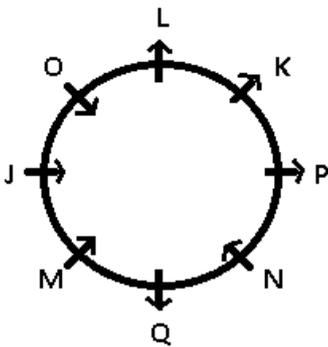
=> K sits second to the left of O, who faces inside.

L sits second to the left of P and P is not an immediate neighbor of O, => P sits second to the left of Q and faces outside.

Since, J is not an immediate neighbor of P, => J sits second to the right of Q and N sits to the immediate left of Q facing inside.

M and J face a direction same as that of N, => M and J also face inside.

The arrangement is :

Apart from QM, all the persons in other options face same direction.

=> Ans - (B)

Question 182

Who among the following sit exactly between Q and O when counted from the right of Q?

A P,J

B M, P

C L, K

D N, L

E J, M

   Answer: E

Explanation:

Q faces outside and M sits to the immediate right of Q.

Also, Q sits third to the right of O and one person sits between K and O

=> K sits second to the left of O, who faces inside.

L sits second to the left of P and P is not an immediate neighbor of O, => P sits second to the left of Q and faces outside.

Since, J is not an immediate neighbor of P, => J sits second to the right of Q and N sits to the immediate left of Q facing inside.

M and J face a direction same as that of N, => M and J also face inside.

The arrangement is :

When counted from right of Q, only 2 persons sit between Q & O, i.e. J and M.

=> Ans - (E)

Question 183

Which of the following is not true regarding K as per the given arrangement?

A N is an immediate neighbour of K.

B All the given options are true

C Only three persons sit between K and M.

D L sits to the immediate left of K.

E K faces outside.

  Answer: A

Explanation:

Q faces outside and M sits to the immediate right of Q.

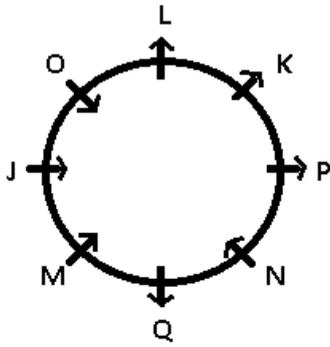Also, Q sits third to the right of O and one person sits between K and O

=> K sits second to the left of O, who faces inside.

L sits second to the left of P and P is not an immediate neighbor of O, => P sits second to the left of Q and faces outside.

Since, J is not an immediate neighbor of P, => J sits second to the right of Q and N sits to the immediate left of Q facing inside.

M and J face a direction same as that of N, => M and J also face inside.

The arrangement is :

N is not an immediate neighbour of K.

=> Ans - (A)

Question 184

What is L's position with respect to N?

A   Immediate right

B   Second to the right

C   Third to the right

D   Third to the left

E   Immediate left

Answer: C

Explanation:
Q faces outside and M sits to the immediate right of Q.

Also, Q sits third to the right of O and one person sits between K and O
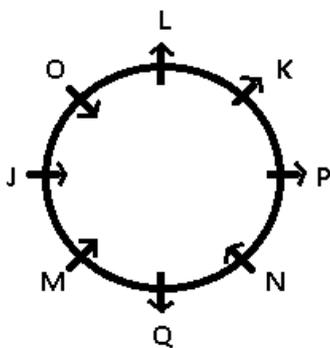
=> K sits second to the left of O, who faces inside.

L sits second to the left of P and P is not an immediate neighbor of O, => P sits second to the left of Q and faces outside.

Since, J is not an immediate neighbor of P, => J sits second to the right of Q and N sits to the immediate left of Q facing inside.

M and J face a direction same as that of N, => M and J also face inside.

The arrangement is :

L is sitting third to the right of N.

=> Ans - (C)

Question 185

Who amongst the following are immediate neighbours of P?

A   M, N

B   K, M

C   J, Q

D   N, K

E   Q, N

Answer: D

Explanation:
Q faces outside and M sits to the immediate right of Q.

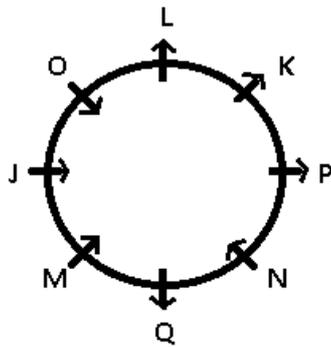Also, Q sits third to the right of O and one person sits between K and O

=> K sits second to the left of O, who faces inside.

L sits second to the left of P and P is not an immediate neighbor of O, => P sits second to the left of Q and faces outside.

Since, J is not an immediate neighbor of P, => J sits second to the right of Q and N sits to the immediate left of Q facing inside.

M and J face a direction same as that of N, => M and J also face inside.

The arrangement is :
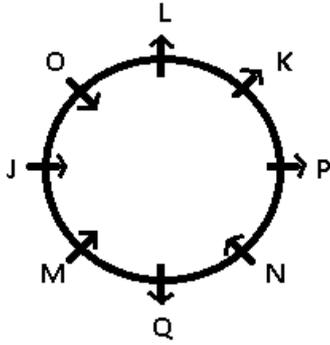
Clearly, N and K are immediate neighbours of P.

=> Ans - (D)

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Instructions
For the following questions answer them individually

Question 186

Study the following information carefully and answer the question given below :
The government of State Y is promoting organic farming this year onwards. Thus, the raw material needed for it is made available at a subsidised rate. Free regular classes are also arranged to train the farmers in organic farming methods and to solve their problems. The farmers of village B however are still continuing with the industrial farming methods despite several requests from the government.Which of the following statements, if considered true, may support the action of farmers of village B?

A   Industrial farming leads to more productivity in the short term, however, in the long term, it diminishes the soil life and production becomes heavily dependent on chemicals.

B   Organic farming requires considerably more skill as compare to industrial farming.

C   Although a few farmers across State Y have tried their hand at organic faming earlier, none of the farmers of village B have participated in it before.

D   Organic food is expensive and not many people in State Y may be able to afford it, however with the subsidies, provided by the government, it will become affordable.

E   Organic farming methods are very labour intensive as regular extensive observation is required whereas finding labour at affordable costs is a challenge for farmers of village B.

Answer: E

Explanation:
The first statement supports organic farming and thus can't be the reason why farmers in village B do not opt it.

Similarly, the second and third options do not support the action of farmers of village B. The fourth options is not even related to farmers of village B.

But, the last option may support the given argument as there may be lack of farmers at affordable costs in village B.

=> Ans - (E)

Instructions

In each of the following questions three statements followed by two Conclusions numbered I and II have been given. You have to take the given statements to be true even if they seem to be at variance from the commonly known facts and then decide which of the given Conclusions logically follows from the given statements, disregarding commonly known facts.
Give answer a: if both the Conclusion I and Conclusion II follow
Give answer b: if neither Conclusion I nor Conclusion II follows
Give answer c: if either Conclusion I or Conclusion II follows

Give answer d: if only Conclusion I follows
Give answer e: if only Conclusion II follows

Question 187

Statements
Some ratios are percent.
All percent are fractions.
No fraction is a section.

Conclusions
I. No section is a percent.
II. All ratios being fractions is a possibility

A   if both the Conclusion I and Conclusion II are true

B   if neither Conclusion I nor Conclusion II is true

C   if either Conclusion I or Conclusion IIls true

D   if only Conclusion I is true

E   if only Conclusion IIls true

   Answer: A

Question 188

Some ratios are percent.
All percent are fractions.
No fraction is a section.

Conclusions
I. All sections being ratios is a possibility.
II. At least some fractions are ratios.

A   if both the Conclusion I and Conclusion II are true

B   if neither Conclusion I nor Conclusion II is true

C   if either Conclusion I or Conclusion IIls true

D   if only Conclusion I is true

E   if only Conclusion IIls true

   Answer: A

Question 189

Statements
All metals are plastics.
All plastics are ores.
Some ores are wood.

Conclusions
I. All wood being metals is a possibility.
II. No are is a metal.

A   if both the Conclusion I and Conclusion II are true

B   if neither Conclusion I nor Conclusion II is true

C if either Conclusion I or Conclusion IIIs true

D if only Conclusion I is true

E if only Conclusion IIs true

Answer: D

Question 190

All metals are plastics.
All plastics are ores.
Some ores are wood.
Conclusions
I. At least some metals are wood.
II. All plastics being wood is a possibility.

A if both the Conclusion I and Conclusion II are true

B if neither Conclusion I nor Conclusion II is true

C if either Conclusion I or Conclusion IIIs true

D if only Conclusion I is true

E if only Conclusion IIIs true

Answer: E

Instructions

Study the following information carefully and answer the questions given below:
Eight persons — E, F, G, H, W, X, Y and Z — are sitting in two parallel rows containing four persons each. E. F, G and H are sitting in row-1 facing north and W. X, Y and Z are sitting in row-2 facing south (but not necessarily in the same order.) Thus, each person sitting in row – 1 faces another person sitting in row – 2, Each of the two rows consists of one Doctor, one Engineer, one Pilot and one Scientist (but not necessarily in the same order).
• The Doctor of row-1 sits second to the right of H. X faces one of the immediate neighbours of H. Only one person sits between the X and the Scientist.
• The one who faces the Scientist of row – 2 is an immediate neighbour of E. Only one person sits between E and the Pilot.
• W sits second to the right of Z. Y does not face G. The Scientist of row-1 faces the Engineer of row – 2.
• G faces one of the immediate neighbours of the Doctor of row-2. The Doctor of row-2 does not sit at any of the extreme ends of the line. Z is not a Doctor.

Question 191

Which of the following represents the people sitting at extreme ends of both the lines?

A F, H and X, Y

B F, H and Z, W

C G, E and Z, X

D E, H and X, Z

E G, E and W, Y

Answer: C

Explanation:
In row-1, E,F,G & H are sitting facing north while W,X,Y & Z are sitting in row-2 facing south.

The Doctor of row-1 sits second to the right of H.

Case 1 : H sits at extreme left end of row 1.

Also, X faces one of the immediate neighbours of H, => X sits opposite to the person who is immediate right of H and Scientist in row -2 sits at extreme left end.

Now, The one who faces the Scientist of row - 2 is an immediate neighbour of E, => E is doctor in row-1 and H is the pilot.

W sits second to the right of Z, => W sits at extreme right end of row-2 and Z to the immediate left of X. Only position left in row-2 is extreme left end, which is now filled by Y being the scientist. The arrangement is :

But doctor of row(II) does not sit at end and Z is also not the doctor. **Thus, this case is not possible.**

Case 2 : H sits at second from left end of row-1, => Doctor sits at extreme right end in this row.

Also, X faces one of the immediate neighbours of H, => X sits at extreme right end of row-2 and the scientist sits second to the left of X.

Now, The one who faces the Scientist of row - 2 is an immediate neighbour of E, => E is doctor in row-1 sitting at extreme right and H is the pilot.

W sits second to the right of Z, => W sits to the immediate left of X and Z to the extreme left end of row-2. Only position left in row-2 is occupied by Y being the scientist.

Since, Y and G does not sit opposite to each other, => G sits at extreme left end of row-1.

The arrangement is :

In row-1, the person at ends = G,E and in row-2 = X,Z

=> Ans - (C)

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Question 192

Who amongst the following sits to the immediate left of Pilot of row-1?

A   H

B   The Doctor of row-1

C   The Engineer of row - 1

D   G

E   F

   Answer: D

Explanation:
In row-1, E,F,G & H are sitting facing north while W,X,Y & Z are sitting in row-2 facing south.
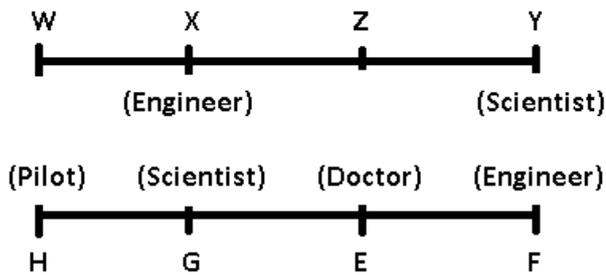
The Doctor of row-1 sits second to the right of H.

Case 1 : H sits at extreme left end of row 1.

Also, X faces one of the immediate neighbours of H, => X sits opposite to the person who is immediate right of H and Scientist in row -2 sits at extreme left end.

Now, The one who faces the Scientist of row - 2 is an immediate neighbour of E, => E is doctor in row-1 and H is the pilot.

W sits second to the right of Z, => W sits at extreme right end of row-2 and Z to the immediate left of X. Only position left in row-2 is extreme left end, which is now filled by Y being the scientist. The arrangement is :

W	X	Z	Y
	(Engineer)		(Scientist)

(Pilot)	(Scientist)	(Doctor)	(Engineer)
H	G	E	F

But doctor of row(II) does not sit at end and Z is also not the doctor. **Thus, this case is not possible.**

Case 2 : H sits at second from left end of row-1, => Doctor sits at extreme right end in this row.
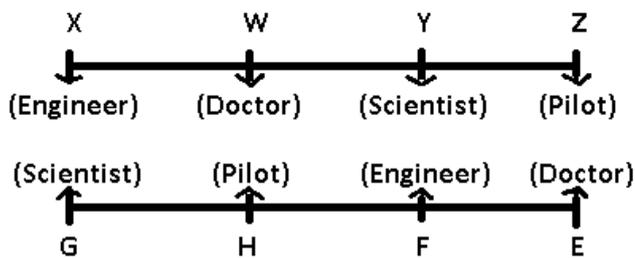
Also, X faces one of the immediate neighbours of H, => X sits at extreme right end of row-2 and the scientist sits second to the left of X.

Now, The one who faces the Scientist of row - 2 is an immediate neighbour of E, => E is doctor in row-1 sitting at extreme right and H is the pilot.

W sits second to the right of Z, => W sits to the immediate left of X and Z to the extreme left end of row-2. Only position left in row-2 is occupied by Y being the scientist.

Since, Y and G does not sit opposite to each other, => G sits at extreme left end of row-1.

The arrangement is :

X	W	Y	Z
(Engineer)	(Doctor)	(Scientist)	(Pilot)

(Scientist)	(Pilot)	(Engineer)	(Doctor)
G	H	F	E

In row-1, the person who is sitting to the immediate left of H (pilot) = G (scientist)

=> Ans - (D)

Question 193

Which of the following represent both the immediate neighbours of Y?

A   Z and the Scientist of row-2

B   X and the Engineer of row-2

C   W and the Doctor of row-2

D   X and the Pilot of row-2

E   W and the Pilot of row-2

   Answer: E

Explanation:
In row-1, E,F,G & H are sitting facing north while W,X,Y & Z are sitting in row-2 facing south.
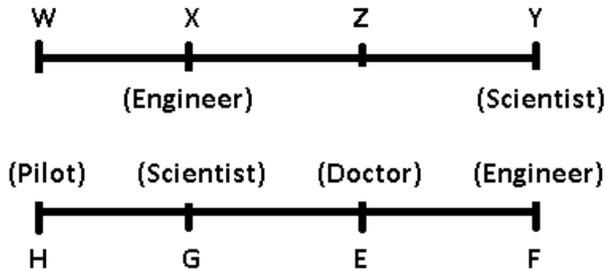
The Doctor of row-1 sits second to the right of H.

Case 1 : H sits at extreme left end of row 1.

Also, X faces one of the immediate neighbours of H, => X sits opposite to the person who is immediate right of H and Scientist in row -2 sits at extreme left end.

Now, The one who faces the Scientist of row - 2 is an immediate neighbour of E, => E is doctor in row-1 and H is the pilot.

W sits second to the right of Z, => W sits at extreme right end of row-2 and Z to the immediate left of X. Only position left in row-2 is extreme left end, which is now filled by Y being the scientist. The arrangement is :

```
W            X            Z            Y
|------------|------------|------------|
          (Engineer)            (Scientist)

(Pilot)   (Scientist)   (Doctor)   (Engineer)
|------------|------------|------------|
H            G            E            F
```

But doctor of row(II) does not sit at end and Z is also not the doctor. **Thus, this case is not possible.**

Case 2 : H sits at second from left end of row-1, => Doctor sits at extreme right end in this row.
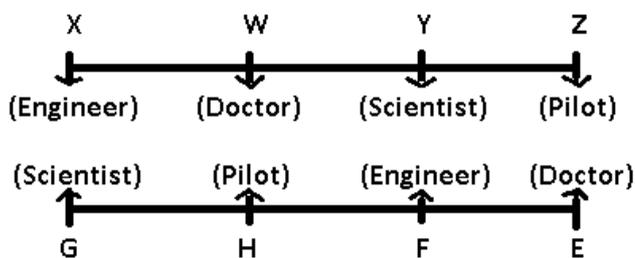
Also, X faces one of the immediate neighbours of H, => X sits at extreme right end of row-2 and the scientist sits second to the left of X.

Now, The one who faces the Scientist of row - 2 is an immediate neighbour of E, => E is doctor in row-1 sitting at extreme right and H is the pilot.

W sits second to the right of Z, => W sits to the immediate left of X and Z to the extreme left end of row-2. Only position left in row-2 is occupied by Y being the scientist.

Since, Y and G does not sit opposite to each other, => G sits at extreme left end of row-1.

The arrangement is :

```
X            W            Y            Z
↓            ↓            ↓            ↓
(Engineer)  (Doctor)   (Scientist)  (Pilot)

(Scientist) (Pilot)    (Engineer)   (Doctor)
↑            ↑            ↑            ↑
G            H            F            E
```

The immediate neighbors of Y are = W (doctor) and Z (pilot).

=> Ans - (E)

Question 194

Which of the given statements is true with respect to the given arrangement?

A   G is a Scientist.

B   Y sits to the immediate right of X.

C   F and Z face each other.

D   None of the given statements is true

E   The Engineer of one row faces the Doctor of another row.

   Answer: A

Explanation:
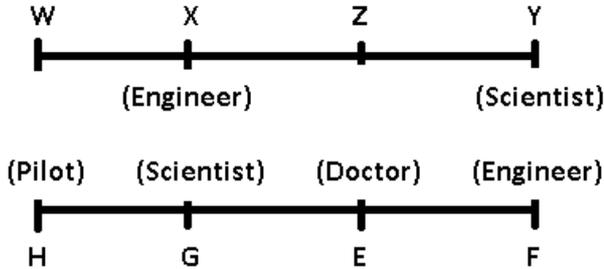In row-1, E,F,G & H are sitting facing north while W,X,Y & Z are sitting in row-2 facing south.

The Doctor of row-1 sits second to the right of H.

Case 1 : H sits at extreme left end of row 1.

Also, X faces one of the immediate neighbours of H, => X sits opposite to the person who is immediate right of H and Scientist in row -2 sits at extreme left end.

Now, The one who faces the Scientist of row - 2 is an immediate neighbour of E, => E is doctor in row-1 and H is the pilot.

W sits second to the right of Z, => W sits at extreme right end of row-2 and Z to the immediate left of X. Only position left in row-2 is extreme left end, which is now filled by Y being the scientist. The arrangement is :

```
  W          X          Z          Y
  |----------|----------|----------|
         (Engineer)          (Scientist)

(Pilot)  (Scientist)  (Doctor)  (Engineer)
  |----------|----------|----------|
  H          G          E          F
```

But doctor of row(II) does not sit at end and Z is also not the doctor. **Thus, this case is not possible.**

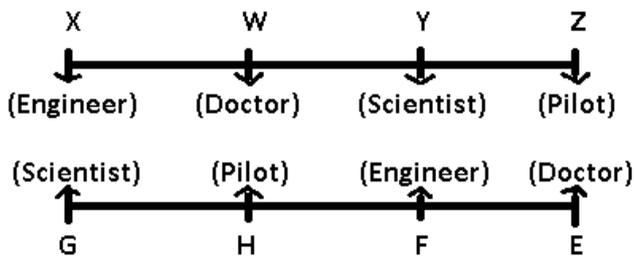Case 2 : H sits at second from left end of row-1, => Doctor sits at extreme right end in this row.

Also, X faces one of the immediate neighbours of H, => X sits at extreme right end of row-2 and the scientist sits second to the left of X.

Now, The one who faces the Scientist of row - 2 is an immediate neighbour of E, => E is doctor in row-1 sitting at extreme right and H is the pilot.

W sits second to the right of Z, => W sits to the immediate left of X and Z to the extreme left end of row-2. Only position left in row-2 is occupied by Y being the scientist.

Since, Y and G does not sit opposite to each other, => G sits at extreme left end of row-1.

The arrangement is :

```
      X          W          Y          Z
      |----------|----------|----------|
      ↓          ↓          ↓          ↓
  (Engineer)  (Doctor)  (Scientist)  (Pilot)

  (Scientist)  (Pilot)  (Engineer)  (Doctor)
      ↑          ↑          ↑          ↑
      |----------|----------|----------|
      G          H          F          E
```

Clearly, G is a scientist.

=> Ans - (A)

Question 195

If Y and X interchange their places, so do H and Z, then who amongst the following will face E?

A Y

B H

C F

D W

E Other than those given as options

   Answer: B

Explanation:

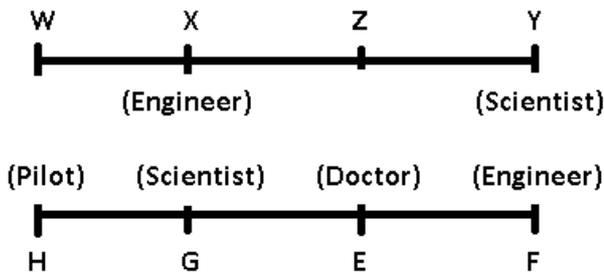In row-1, E,F,G & H are sitting facing north while W,X,Y & Z are sitting in row-2 facing south.

The Doctor of row-1 sits second to the right of H.

Case 1 : H sits at extreme left end of row 1.

Also, X faces one of the immediate neighbours of H, => X sits opposite to the person who is immediate right of H and Scientist in row -2 sits at extreme left end.

Now, The one who faces the Scientist of row - 2 is an immediate neighbour of E, => E is doctor in row-1 and H is the pilot.

W sits second to the right of Z, => W sits at extreme right end of row-2 and Z to the immediate left of X. Only position left in row-2 is extreme left end, which is now filled by Y being the scientist. The arrangement is :

But doctor of row(II) does not sit at end and Z is also not the doctor. **Thus, this case is not possible.**

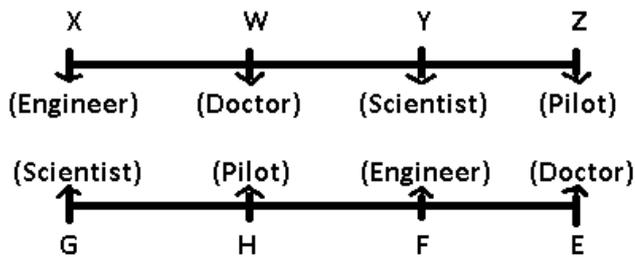Case 2 : H sits at second from left end of row-1, => Doctor sits at extreme right end in this row.

Also, X faces one of the immediate neighbours of H, => X sits at extreme right end of row-2 and the scientist sits second to the left of X.

Now, The one who faces the Scientist of row - 2 is an immediate neighbour of E, => E is doctor in row-1 sitting at extreme right and H is the pilot.

W sits second to the right of Z, => W sits to the immediate left of X and Z to the extreme left end of row-2. Only position left in row-2 is occupied by Y being the scientist.

Since, Y and G does not sit opposite to each other, => G sits at extreme left end of row-1.

The arrangement is :

Currently, Z is facing E, if Z and H interchange their positions, then H will face E.

=> Ans - (B)

Instructions
For the following questions answer them individually

Question 196

Study the following information and answer the given question.
Despite strong opposite from the social activists of village X, Pollution Control Board renewed the license of a coal depot to operate coal handing barely one kilometre away from the village.
Which of the following statements supports the decision of Pollution Control Board to some extent?

A   Several crops were destroyed due to disposal of waste from the coal depot in the previous year.

B   Maintenance cost of roads In village X has increased due to transportation of coal.

C The depot provides employment for nearly 70% of people in the neighbouring area.

D Several complaints have been filed against the depot in the past for violating safety standards.

E Nine out of ten residents of village X suffer from respiratory problems.

Answer: C

Explanation:

The given statement indicates that inspite of opposing the renewal of license of coal depot by the social activist, the pollution control board still did it, which is 1 km from the village X.

The first, second and last statements are against the given argument and weakens it. The fourth statement was the course of action. But the third statement states that the depot provides employment to more than half of the population of neighbouring village, and that can be the reason for the renewal of its license, thus it supports above argument.

=> Ans - (C)

Question 197

Study the following information carefully and answer the question which follows:
Number of deaths due to ABN poisoning has risen in village A from 23 two years ago, to 67 this year. Since the number of patients is the same, it can be concluded that the new medication is the responsible factor for the deaths.
Which of the following statements weakens the given statements that the new medication Is responsible for increased number of fatalities?

A While azethorin-1 was being used to treat ABN poisoning since 5 years, azethorin-6 was introduced last year after it obtained necessary clinical approvals.

B PB released from a new fertilizer being used by the farmers of the village this years, when combined with ABN renders all types of medicines ineffective to treat the disease.

C Due to low awareness regarding the disease, very low patients have been reporting this disease for many years which proves that the actual numbers could be much higher.

D The new medicines introduced in village A for TQW and RST poisoning has been successful in significantly bringing down the fatality rate.

E A cement factory set up 5 years ago in the village was responsible for leaching ABN in the soil as well as drinking water way above the danger limit.

Answer: E

Explanation:

The givens statement indicates that the new medication can be responsible for the increase in deaths in village A, but in the last option, it is given that a cement factory set up 5 years ago in the village was responsible for leaching ABN in the soil as well as drinking water way above the danger limit, which shifts the blame from medication to the factory and hence weakens the argument.

=> Ans - (E)

IBPS RRB PO Free Mock Test

Instructions

Study the following information carefully and answer the questions given below :
• S is the sister of B. K is the brother of B.
• K is the son of L. L is married to Y. Y is the daughter of J.
• Y has only one daughter. J is married to C.
• K is the brother of D. D is married to T.

Question 198

If P is the brother of C, then how is J related to P?

A   Brother

B   Cousin

C   Sister

D   Uncle

E   Cannot be determined

    Answer: E

Explanation:

S,K,B and D are siblings where S is female and K is male.

Their father is L who is married to Y and Y has only one daughter,

=> B and D are males and D's wife is T.

Also, J and C are parents of Y(female). Gender of J and C is unknown.

If P is brother of C, and since J is spouse of C, => J is either brother-in-law or sister-in-law of P, based on the gender of J.

=> Ans - (E)

Question 199

How is T related to S?

A   Brother-in-law

B   Cousin

C   Sister-in-law

D   Sister

E   Brother

    Answer: C

Explanation:

S,K,B and D are siblings where S is female and K is male.

Their father is L who is married to Y and Y has only one daughter,

=> B and D are males and D's wife is T.

Also, J and C are parents of Y(female). Gender of J and C is unknown.

Since, S is sister of D, who is husband of T.

=> T is sister-in-law of S.

=> Ans - (C)

Question 200

If Z is the daughter of T, then how is B related to Z?

A   Uncle

B   Father

C   Aunt

D   Cannot be determined

E   Mother

Answer: A

Explanation:

S,K,B and D are siblings where S is female and K is male.

Their father is L who is married to Y and Y has only one daughter,

=> B and D are males and D's wife is T.

Also, J and C are parents of Y(female). Gender of J and C is unknown.

If Z is daughter of T and since, B is brother of T

=> B is uncle of Z.

=> Ans - (A)