

## Solutions

1. Ans. D.

Cheque and Demand Draft comes under Negotiable Instruments Act, 1881. A Negotiable Instrument means a promissory note, bill of exchange, demand draft or cheque payable either to order or to bearer.

2. Ans. C.

In 2008, Centurion Bank was acquired by HDFC Bank

The Centurion Bank of Punjab (formerly Centurion Bank) was an Indian private sector bank that provided retail and corporate banking services. It operated on a strong nationwide franchise of 403 branches and had over 5,000 employees. The bank listed its shares on the major Indian stock exchanges and on the Luxembourg Stock Exchange. On 23 May 2008 HDFC Bank acquired Centurion Bank of Punjab.

3. Ans. D.

Airtel has launched India's first live payments bank. Airtel Payments Bank begins operations in Rajasthan on a pilot basis, offers 7.25% interest rate on deposits in savings accounts.

4. Ans. B.

It is a system which is practised worldwide in the banking sector. Cheque Truncation System (CTS) was introduced and implemented in the National Capital Region (NCR) in February '08 on a pilot basis. The number 2010 in 'CTS-2010' is because the guidelines for Cheque Truncation System came up in **the year 2010**.

5. Ans. D.

UPI is a flagship product of NPCI that will help India to move towards a cashless economy. It involves 'virtual addresses as a single payment identifier for sending and collecting money and works on single click 2 factor authentication. It enables money to be sent using smartphones using the virtual address without entering the bank account details. Moreover, it provides an option for scheduling push and pull transactions for various purposes like sharing bills among peers.

6. Ans. B.

The book "The People's President : Dr. A.P.J Abdul Kalam" is authored by S.M Khan.

7. Ans. C.

The Ministry of Shipping has issued a notification renaming Kandla Port Trust as **Deendayal Port Trust** with effect from 25th of September 2017. Kandla Port, located on the Gulf of Kutch in Gujarat, is one of the twelve major ports in the country.

8. Ans. C.

PCA means Prompt Corrective Action which is imposed by RBI imposed on banks with a higher percentage of Non Performing Assets. Banks under PCA should make all-out efforts to recover and reduce NPA lest face the further future action of RBI.

To ensure that banks don't go bust, RBI has put in place some trigger points to assess, monitor, control and take corrective actions on banks which are weak and troubled. The process or mechanism under which such actions are taken is known as **Prompt Corrective Action, or PCA**.

9. Ans. A.

Banwarilal Purohit sworn in as the Governor of Tamil Nadu in an oath-taking ceremony held at Raj Bhavan in Chennai. Purohit is the 25th Governor of Tamil Nadu.

10. Ans. B.

**Gorumara National Park** is a National Park in northern **West Bengal**, India located in the **terai region** of the Himalayan foothills.

**Note:** It is a medium-sized park with grasslands and forests.

11. Ans. D.

The 10th edition of the annual BRICS (Brazil, Russia, India, China, South Africa) summit will be held in Johannesburg, South Africa in 2018.

12. Ans. C.

The International Campaign to Abolish Nuclear Weapons is a global civil society coalition working to promote adherence to and full implementation of the Treaty on the Prohibition of Nuclear Weapons. The headquarter of ICAN is in **Geneva, Switzerland**.

13. Ans. B.

Vijayawada, a city in the Andhra Pradesh, is located on the banks of River Krishna in the Krishna district of Andhra Pradesh.

14. Ans. C.

National Award-winning director Kundan Shah, best known for his dark satire "Jaane Bhi Do Yaaro" and coming-of-age comedy "Kabhi Haan Kabhi Naa", has passed away due to heart attack in Mumbai.



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15. Ans. D.

The Orang National Park is also known as Rajiv Gandhi orang national park located on the north bank of the Brahmaputra River in the Darrang and **Sonitpur districts of Assam**, India. It was established as a sanctuary in 1985 and declared a national park on 13 April 1999. It is also known as the mini Kaziranga National Park (IUCN site) since the two parks have a similar landscape made up of marshes, streams and grassland.

16. Ans. D.

The full form of BHIM is-Bharat Interface for Money.

BHIM (Bharat Interface for Money) is a Mobile App developed by National Payments Corporation of India (NPCI), based on the Unified Payment Interface (UPI). It was launched by Narendra Modi, the Prime Minister of India, at a Digi Dhan mela at Talkatora Stadium in New Delhi on 30 December 2016. It has been named after Dr. Bhimrao R. Ambedkar and is intended to facilitate e-payments directly through banks as part of the 2016 Indian banknote demonetisation and drive towards cashless transactions.

17. Ans. B.

Exercise Yudh Abhyas - 2017, a joint military exercise between Indian and US armies was conducted at the Joint Base Lewis McChord, Washington, USA.

18. Ans. A.

Hidayatullah National Law University is an autonomous law university in New Raipur, Chhattisgarh, India. The University is named after the former Chief Justice of India, Justice Mohammad Hidayatullah.

19. Ans. B.

- **Pradhan Mantri Suraksha Bima Yojana** (PMSBY) is one of three social security schemes that the government had announced in the 2015 Budget.
- An **accident insurance scheme**, PMSBY offers a one-year accidental death and disability cover, which can be renewed annually.
- Under PMSBY, the risk coverage available is **Rs 2 lakh** for accidental death and permanent total disability, and Rs 1 lakh for permanent partial disability.

20. Ans. E.

Cross-Selling in the bank is a marketing process through which related financial products are sold to existing customers in order to expand the business. For example selling of credit card to a person who is opening bank account in bank.

21. Ans. E.

**The Indian Museum is the largest and oldest museum in India** and has rare collections of antiques, armour and ornaments, fossils, skeletons, mummies, and Mughal paintings. It was founded by the Asiatic Society of Bengal in **Kolkata, India, in 1814**.

22. Ans. C.

The BRBNMPL manages 2 Presses one at Mysore in Karnataka and the other at Salboni in West Bengal. The present capacity for both the presses is 16 billion note pieces per year on a 2-shift basis.

23. Ans. B.

Reliance Stadium or Indian Petrochemicals Corporation Ltd Sports Complex Ground also known as the IPCL Ground is located in **Vadodara, Gujarat**. The stadium is owned by Reliance Industries and is also known as, Reliance Stadium. The stadium is the home ground of the Baroda cricket team, one of India's domestic teams.

24. Ans. C.

As per the Reserve Bank of India guidelines for licensing of Payments Banks and small finance banks, the promoter's minimum initial contribution to the paid-up equity capital of such banks shall at least be 40 percent for the first five years from the commencement of its business.

25. Ans. C.

The M.Narisaman committee in 1975 after studying the impact of the Lead Bank Scheme recommended the establishment of rural banks in each district that may be dedicated to rural development. The first Gramin Banks started functioning on 2nd October 1975 under an ordinance and subsequently the Regional Rural Banks Act was passed in 1976. The management of Regional Rural banks was with a public sector bank generally the lead bank of the district. The Regional Rural Bank operates within a given geographical area. The Capital for these banks was contributed by the Central Government (50%), the Sponsor Bank (35%) and the State Government (15%). Initially around 186 Gramin Bank established all over India but now in keeping with the government directive to merge the gram in banks there are 56 gram in banks .

26. Ans. C.

A self-help group (SHG) is a village-based financial intermediary committee usually composed of 10-20 local women or men. A mixed group is generally not preferred. Most self-help groups are located in India, though SHGs can be found in other countries, especially in South Asia and Southeast Asia.



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27. Ans. A.

Prakash Javadekar current Union Minister of Ministry of Human Resource Development (MHRD) and a member of the Bharatiya Janata Party (BJP). He was elected to the upper house Rajya Sabha as a Member of Parliament from Maharashtra.

28. Ans. A.

The Tungbhadra Dam is constructed across the Tungbhadra River, a tributary of the Tungbhadra River. The dam is near the town of Hospet in Karnataka.

29. Ans. E.

Central Coalfields Limited (CCL) is a subsidiary of Coal India Limited (CIL), an undertaking of the Government of India. CCL manages the nationalized coal mines of the Coal Mines Authority, Central division. CCL is headquartered at Darbhanga House, Ranchi, Jharkhand.

30. Ans. D.

The Banking Codes and Standards Board of India was registered as a society under the Societies Registration Act, 1860, in February 2006. The board functions as an independent and autonomous body. Membership of BCSBI is voluntary and open to scheduled banks.

31. Ans. B.

World Diabetes Day is the primary global awareness campaign focusing on diabetes mellitus and is held on **November 14 each year.**

**Note:** After Nehru's death in 1964, the country decided to celebrate **Children's Day or Baal Divas** on the birth anniversary of the great leader, 14th November.

32. Ans. B.

The Institute for Development & Research in Banking Technology (IDRBT) is a unique institution exclusively focused on Banking Technology. Established by the Reserve Bank of India (RBI) in 1996, the Institution works at the intersection of Banking and Technology. It is located in Hyderabad, India.

33. Ans. A.

**Caracas** is the capital and **Bolívar fuerte** is the currency of **Venezuela**.

**Note:** Venezuela is a **federal republic** located on the northern coast of South America. It is bordered by Colombia on the west, Brazil on the south, Guyana on the east and the islands of **Trinidad** and **Tobago** to the north-east.

34. Ans. C.

The 2017 Nobel Prize in Literature has been awarded to British writer Kazuo Ishiguro, whose best-known novels include 'The Remains of the Day' and "Never Let Me Go'.

**Note:** A Literature Nobel Prize laureate earns a gold medal, a diploma bearing a citation, and a sum of money.

35. Ans. A.

The minimum capital requirement for Small and payment banks in India is 100 crores. The purpose of the small banks is to provide a whole suite of basic banking products such as deposits and supply of credit but in a limited area of operation. Whereas the objective of payments banks is to increase financial inclusion by providing small savings accounts, payment/ remittance services to migrant labour, low-income households among others.

36. Ans. E.

Capital Adequacy Ratio (CAR) is also known as Capital to Risk (Weighted) Assets Ratio (CRAR), is the ratio of a bank's capital to its risk. National regulators track a bank's CAR to ensure that it can absorb a reasonable amount of loss and complies with statutory Capital requirements. Total capital ratio (CRAR) = Eligible Total Capital / RWA for (Credit risk + Market risk + Operational risk)

37. Ans. D.

Pooja Kadian has created history by becoming the first Indian to clinch a gold medal at Wushu World Championships in the 75 kilogram women Sanda category after defeating Evgeniya Stepanova in the final at Kazan on October 5, 2017

38. Ans. B.

The RIDF was set up by the Government in 1995-96 for financing ongoing rural Infrastructure projects. The Fund is maintained by the National Bank for Agriculture and Rural Development (NABARD). Domestic commercial banks contribute to the Fund to the extent of their shortfall in stipulated priority sector lending to agriculture.

39. Ans. A.

**Micro Units Development and Refinance Agency Bank (MUDRA Bank)** is a public sector financial institution in India. It provides loans at low rates to microfinance institutions and non-banking financial institutions which then provide credit to MSME's. It was launched by Prime Minister Narendra Modi on 8 April 2015.



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40. Ans. C.

The Indian Council of Agricultural Research (ICAR) is an autonomous body responsible for coordinating agricultural education and research in India. It reports to the Department of Agricultural Research and Education, Ministry of Agriculture. The Union Minister of Agriculture serves as its president and its headquarter is in New Delhi.

41. Ans. B.

The domain name org is a generic top-level domain (gTLD) of the Domain Name System (DNS) used in the Internet. The name is truncated from organization.

Note: The domain ".org" was one of the original top-level domains, [1] with com, us, edu, gov, mil and net, established in January 1985.

42. Ans. A.

**Subject** is the short line at the top of an email that tells you the subject of the message.

43. Ans. B.

Architecture as service is not part of cloud computing stack.

44. Ans. B.

**Information** that comes from an external source and fed into computer software is called **Input**.

45. Ans. B.

A **central processing unit** (CPU) is the electronic circuitry within a computer that carries out the **instructions** of a computer program by performing the basic **arithmetic, logical**, control and input/output (I/O) operations specified by the instructions.

46. Ans. C.

Application software is a program or group of programs designed for end users. These programs are divided into two classes: System software and Application software.

47. Ans. C.

**Microsoft Word** is a word-processing program designed to help you create professional-quality documents. ".doc" is a legacy Word document.

48. Ans. E.

The user can do the **central align** to the **selected text** in Word by pressing "**Ctrl + E**" keys together.

49. Ans. B.

In computer interface design, a **toolbar** (previously known as **ribbon**) is a graphical control element on which on-screen buttons, icons, menus, or other input or output elements are placed. Toolbars are seen in many types of software such as office suites, graphics editors and web browsers. Toolbars are usually distinguished from palettes by their integration into the edges of the screen or larger

windows, which results in wasted space if too many under populated bars are stacked atop each other (especially horizontal bars on a landscape oriented display) or interface inefficiency if overloaded bars are placed on small windows.

50. Ans. C.

A CPU cache is a cache used by the central processing unit (CPU) of a computer to reduce the average time to access data from the main memory. The cache is a smaller, faster memory which stores copies of the data from frequently used main memory locations

51. Ans. E.

The wheel located between the two standard buttons on a mouse is used to scroll.

52. Ans. D.

The **control unit** (CU) is a component of a computer's **central processing unit** (CPU) that directs operation of the processor. It tells the computer's **memory, arithmetic/logic unit, input** and **output** devices how to respond to a program's instructions.

53. Ans. D.

A **website** is a set of related **web pages** typically served from a single **web domain**. A **domain name** is an identification string that defines a realm of **administrative autonomy**, authority or control within the **Internet**.

54. Ans. B.

An email address identifies an email box to which email messages are delivered. An email address such as **vijay@gradeup.co** is made up of a local-part, an @symbol, then a case-insensitive domain.

55. Ans. A.

Cache memory is a **small-sized type** of volatile computer memory that provides **high-speed data access** to a processor and stores frequently used **computer programs**, applications and data.

**Note:-** It stores and retains data only until a computer is powered up.

56. Ans. C.

UPS (Uninterrupted power supply) is a back-up power supply that in case of power failure or fluctuations allows enough time for an orderly shutdown of the system or for stand by generator to start up.

57. Ans. B.

An email attachment is a computer file sent along with an email message. One or more files can be attached to any email message, and be sent along with it to the recipient.



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58. Ans. A.

The first page of a Web site is called the homepage. A **home page** or **index page** is the initial or main web page of a website. It is sometimes also called the **front page** or **main page**.

Hence, option A is correct.

59. Ans. A.

In computing, a **modifier key** is a special **key** (or combination) on a computer keyboard that temporarily modifies the normal action of another **key** when pressed together.

By themselves, modifier keys usually do nothing; that is, pressing any of the ↑ Shift, Alt, or Ctrl keys alone does not (generally) trigger any action from the computer.

60. Ans. A.

Email **spam** also known as **junk email** or unsolicited bulk email (UBE), is a subset of **electronic spam** involving nearly **identical messages** sent to numerous recipients by **email**.

61. Ans. C.

HTML (Hypertext marked up language) is the odd one out in this case. As it is the only one that is related to the language for creating web pages and web applications, and rest all three are somewhere describing the internet itself.

62. Ans. D.

A track is any of the concentric circles on the magnetic coating on a platter or floppy disk over which one magnetic head passes while it is stationary, but the platter or floppy is spinning. Tracks are divided into a number of segments.

63. Ans. D.

**Memory unit** is one part of **Central Processing Unit**.

**Note:** The central processing unit (CPU) is the unit, which performs most of the processing inside a computer.

64. Ans. A.

A cookie is a small piece of data sent from a website and stored in a user's web browser while a user is browsing a website in the future, the data stored in the cookie can be retrieved by the website to notify the website of the user's precious activity. They helps in websites in remembering the state of the website or activity that the user had taken in the past.

65. Ans. A.

**Mail gateway** is a machine that connects two or more **electronic mail** systems and transfers messages between them. Sometimes the mapping and translation can be quite complex and it generally **requires a store** and forward scheme whereby the message is **received** from one system completely before it is transmitted to the next system, after suitable translations.

66. Ans. C.

**Source code** is any collection of computer instructions written using some **human-readable** computer language, usually as text.

67. Ans. C.

**Random-access memory (RAM)** is a form of computer data storage. A random-access memory device allows data items to be accessed (read or written) in almost the same amount of time irrespective of the physical location of data inside the memory.

68. Ans. B.

Webmail (or web-based email) is any email client implemented as a web application running on a web server. Examples of webmail software are Round cube and Squirrel Mail. Examples of webmail providers are AOL Mail, Gmail, Outlook.com and Yahoo!

69. Ans. B.

Most mail programs automatically complete the 'From: and Date:' two parts in an e-mail.

70. Ans. B.

Optical mark reader reads period or pen marks made in pre-defined positions on papers forms as responses to questions or tick list prompts. OMR is frequently used in forms, questionnaires and answer sheets.

71. Ans. C.

**.pptx** is a **file extension** for a presentation file format used by **Microsoft PowerPoint**, the popular **presentation** software commonly used for office and educational slide shows.

72. Ans. D.

A **browser** is a software application used to locate, retrieve and display **content** on the **World Wide Web**, including **Web pages, images, video** and **other files**.

73. Ans. B.

Microsoft **Power Point** is a slide show presentation program **developed by Microsoft**. PowerPoint's predecessor, "Presenter" was created by Forethought Inc.



74. Ans. C.

**Wireless Application Protocol (WAP)** is a technical standard for accessing information over a **mobile wireless network**. A WAP browser is a web browser for mobile devices such as **mobile phones** that uses the protocol.

75. Ans. D.

Using **output devices** one can view or **print data**. An **output device** is any piece of **Computer Hardware equipment** used to communicate the results of **data processing** carried out by an information processing system which converts the electronically generated information into **human-readable** form.

76. Ans. A.

To **print a document** Select the **Print command** and then select **OK**.

77. Ans. B.

Random-access memory (RAM) is normally associated with **volatile** types of memory, where stored information is **lost** if **power** is removed.

78. Ans. A.

In an MS Word document, while editing or typing content, the Ctrl + Right Arrow key combination is used to move the cursor one single word right.

79. Ans. D.

**Windows 10** is the **latest version** of an **operating system**. It is a **personal computer operating system** developed and released by **Microsoft** as part of the **Windows NT** family of operating systems.

80. Ans. D.

On **color monitors**, each pixel is actually composed of **three** dots a **red**, a **blue** and a **green** one.

81. Ans. B.

$$200 - (1 \times 2) = 198$$

$$198 - (2 \times 3) = 192$$

$$192 - (3 \times 4) = 180$$

$$180 - (4 \times 5) = 160$$

$$160 - (5 \times 6) = 130$$

$$130 - (6 \times 7) = 88$$

So, wrong number is 196.

82. Ans. A.

This consists two series and the numbers in both the series have distance of 1.6

First Series

$$9.2 - 7.6 = 1.6$$

$$7.6 - 6 = 1.6$$

$$6 - 1.6 = 4.4$$

Second Series :

$$14 - 1.6 = 12.4$$

$$12.4 - 1.6 = 10.8$$

So wrong number is 10.6

83. Ans. D.

$$3 \times 1 + 1 = 4$$

$$4 \times 2 + 1 = 9$$

$$9 \times 3 + 1 = 28$$

$$28 \times 4 + 1 = 113$$

$$113 \times 5 + 1 = 566$$

$$566 \times 6 + 1 = 3397$$

So wrong number is 565

84. Ans. C.

$$730 - 1 = 729 = 3^6$$

$$973 - 730 = 243 = 3^5$$

$$1054 - 973 = 81 = 3^4$$

$$1081 - 1054 = 27 = 3^3$$

$$1090 - 1081 = 3^2$$

$$1093 - 1090 = 3$$

**Note:** We have to find wrong no in the series . therefore instead of 1089 we should have 1090 in the series

85. Ans. B.

$$4 \times 1.5 = 6$$

$$6 \times 2 = 12$$

$$12 \times 2.5 = 30$$

$$30 \times 3 = 90$$

$$90 \times 3.5 = 315$$

$$315 \times 4 = 1260$$

So wrong number is 60

86. Ans. C.

Average of the number of Users registered in 2008 =  $[5 + 20 + 15 + 40] \times 1000000 / 4 = 20000000$ .

Average of the number of Users registered in 2009 =  $[10 + 30 + 40 + 35] \times 1000000 / 4 = 28750000$ .

Average of the number of Users registered in 2010 =  $[5 + 25 + 15 + 20] \times 1000000 / 4 = 16250000$ .

Average of the number of Users registered in 2011 =  $[25 + 20 + 20 + 35] \times 1000000 / 4 = 25000000$ .

Average of the number of Users registered in 2013 =  $[35 + 30 + 25 + 10] \times 1000000 / 4 = 25000000$ .

87. Ans. B.

Number of user's registered in 2015 =  $[20 + 20 + 40 + 35] \times 1000000 = 115000000$

Number of user's registered in 2008 =  $[5 + 20 + 15 + 40] \times 1000 = 80000000$

% =  $[(115000000 - 80000000) / 80000000] \times 100 = 43.75\%$  more

88. Ans. B.

Number of user's registered for BSNL during 2008 to 2015 =  $230 \times 1000000 = 230000000$

Number of user's registered for Jio during 2008 to 2015 =  $240 \times 1000000 = 240000000$

Ratio = 23:24



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89. Ans. C.

Total number of user's registered for Idea =  $170 \times 1000000 = 170000000$   
 Total number of user's registered for Jio =  $240 \times 1000000 = 240000000$   
 $\% = [(240000000 - 170000000) / 240000000] \times 100 = 29.16\%$  less.

90. Ans. D.

Average number of users registered in Idea =  $170000000 / 8 = 21250000$   
 Average number of users registered in Airtel =  $125000000 / 8 = 15625000$   
 Average number of users registered in BSNL =  $230000000 / 8 = 28750000$   
 Average number of users registered in Jio =  $240000000 / 8 = 30000000$   
 Average number of users registered is maximum for Jio.

91. Ans. B.

Year-wise old users for:

Year	Airtel	Idea	BSNL	Jio
2008	$16 - 5 = 11$	$30 - 20 = 10$	$27 - 15 = 12$	$47 - 40 = 7$
2009	$24 - 10 = 14$	$45 - 30 = 15$	$47 - 40 = 7$	$42 - 35 = 7$
2010	$33 - 5 = 28$	$37 - 25 = 12$	$23 - 15 = 8$	$36 - 20 = 16$
2011	$45 - 25 = 20$	$38 - 20 = 18$	$39 - 20 = 19$	$41 - 35 = 6$
2012	$19 - 5 = 14$	$42 - 30 = 12$	$36 - 25 = 11$	$47 - 40 = 7$
2013	$44 - 25 = 19$	$21 - 10 = 11$	$44 - 35 = 9$	$40 - 30 = 10$
2014	$47 - 30 = 17$	$38 - 15 = 23$	$45 - 40 = 5$	$24 - 5 = 19$
2015	$33 - 20 = 12$	$39 - 20 = 19$	$45 - 40 = 5$	$46 - 35 = 11$
Total	135	120	76	83
Average	$135/8 = 16.875$	$120/8 = 15$	$76/8 = 9.5$	$83/8 = 10.375$

Total Average old users of Airtel + BSNL =  $16.875 + 9.5 = 26.375$   
 Total Average old users of Idea + Jio =  $15 + 10.375 = 25.375$   
 Required percent =  $25.375 / 26.375 \times 100 = 96.20\%$ , i.e. approximately 96%

92. Ans. A.

As per Question, Total share of C-  

$$\frac{8 * x / 100 * 500}{(600 * 12) + (500 * 4) + (8 * x / 100 * 500)} * 24000 = 5600$$

On solving the above equation, we get  $x = 70\%$

93. Ans. B.

Let the length of train and the platform be  $L_t$  and  $L_p$  respectively. Now,  
 $L_t = 216$  m  
 $V_t = 21$  m/sec  
 According to Question,  
 $(L_t + L_p) / V_t = 19$ ,  
 On Solving,  $L_p = 183$  m  
 Let the boxes added be 'x'

New length of the train =  $(216 + 21x)$

Now as per question,  

$$\frac{(216 + 21x) + 183}{21} = 27$$

$399 + 21x = 21 * 27 = 567$

$21x = 567 - 399 = 168$

$x = 8$

i.e. 8 boxes were added.

94. Ans. C.

1 Day work of A =  $1/36$

1 Day work of B =  $4/3 * 1/36 = 1/27$

Work completed by A and B in 2 days, when they work alternately =  $(1/36 + 1/27) = 7/108$

So, work completed on 1 day =  $(7/108) / 2 = 7/216$

Work done in 30 days =  $30 * 7/216 = 210/216$

Remaining work =  $1 - 210/216 = 6/216$

Now on the 31st day its A turn, then work

completed on 31st day =  $1/36 = 6/216$

hence the total number of days required to

complete the whole work = 31

95. Ans. D.

Let Rakesh's salary be '100x'.

Salary spent in PPF =  $12x$

Remaining Salary =  $88x$

So, Salary spent on clothes =  $3/8$  of  $88x = 33x$

As per the question,

$33x - 12x = 10500$

$21x = 10500$ ,

i.e.  $x = 500$

So, Rakesh's Salary = Rs. 50000/-

Amount spent on Remaining expenses =  $50000 -$

$((12 * 500) + (33 * 500))$

$= 50000 - (6000 + 16500) = 50000 - 22500 = 27500$ .

Now, let House rent be 'a'

Other expenses =  $a + 1500$

As per question,

$a + (a + 1500) = 27500$

$2a = 26000$

$a = \text{Rs. } 13000/-$

96. Ans. A.

Average number of players (both boy and girl) who play Football and Badminton

$= 1/2 * (8400 * 30) / 100 = 1260$

97. Ans. C.

Total number of girl players who play Tennis

$= (4000 * 15) / 100 = 600$

Total number of boy players who play Badminton

$= (8400 * 12) / 100 - (4000 * 18) / 100 = 1008 - 720 = 288$

Required difference =  $600 - 288 = 312$



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98. Ans. A.

Total number of girl players who play Cricket  
 $= (4000 \times 20) / 100 = 800$

Total number of boy players who play Hockey  
 $= (8400 \times 30) / 100 - (4000 \times 35) / 100 = 2520 - 1400 = 1120$

Required ratio =  $800 / 1120 = 5 : 7$

99. Ans. D.

Total number of the boy players who play Football, Cricket and Hockey

$= (8400 \times 73) / 100 - (4000 \times 67) / 100 = 6132 - 2680 = 3452$

100. Ans. E.

Total number of boy players who play Badminton

$= (8400 \times 12) / 100 - (4000 \times 18) / 100 = 1008 - 720 = 288$

Total number of players who play Tennis

$= (8400 \times 15) / 100 = 1260$

Required percentage =  $(288 \times 100) / 1260 = 22.85\%$

101. Ans. D.

Given, shopkeeper sells 4 different articles, A, B, C and D in his shop. The number of articles of these four types are in the ratio 3 : 2 : 1 : 4.

Let the number of articles be 3a, 2a, a and 4a respectively.

the cheapest would be article D.

Let the cost price of article D be 'x'.  
 then

Cost price of article A =  $x + 20$

Cost price of article B =  $x + 40$

Cost price of article C =  $x + 60$

Given, profit% earned on selling articles A and C was equal to the loss% suffered on articles B and D. The shopkeeper made neither profit nor loss on the selling of these four types of articles.

Let the profit% or loss% be 'y'%

Thus, y% of  $(3a \times (x + 20) + a \times (x + 60)) = y\%$   
 of  $(2a \times (x + 40) + 4a \times x)$

$\Rightarrow 3x + 60 + x + 60 = 2x + 80 + 4x$

$\Rightarrow 2x = 40$

$\Rightarrow x = \text{Rs. } 20$

Cost price per unit of article B =  $x + 40 = \text{Rs. } 60$

102. Ans. B.

Given, shopkeeper sells 4 different articles, A, B, C and D in his shop. The number of articles of these four types are in the ratio 3 : 2 : 1 : 4.

Let the number of articles be 3a, 2a, a and 4a respectively.

the cheapest would be article D.

Let the cost price of article D be 'x'.  
 then

Cost price of article A =  $x + 20$

Cost price of article B =  $x + 40$

Cost price of article C =  $x + 60$

Now, he sells articles A, B and D at Rs. 90, Rs. 100 and Rs. 60 each and article C at Rs. 160 each.

Profit% made by selling article

$$A = \frac{90 - (x + 20)}{x + 20} \times 100\%$$

Profit% made by selling article

$$C = \frac{160 - (x + 60)}{x + 60} \times 100\%$$

Given, profit% made on the articles A and C were in the ratio 5 : 6.

$$\Rightarrow \frac{\left( \frac{90 - (x + 20)}{x + 20} \times 100\% \right)}{\frac{160 - (x + 60)}{x + 60} \times 100\%} = \frac{5}{6}$$

$$\Rightarrow 6(70 - x)(x + 60) = 5(100 - x)(x + 20)$$

$$\Rightarrow -6x^2 + 25200 + 60x = 10000 - 5x^2 + 400x$$

$$\Rightarrow x^2 + 340x - 15200 = 0$$

$$\Rightarrow x^2 + 380x - 40x - 15200 = 0$$

$$\Rightarrow x(x + 380) - 40(x + 380) = 0$$

$$\Rightarrow (x - 40)(x + 380) = 0$$

$$\Rightarrow x = 40 \text{ as } x \text{ can't be negative}$$

Thus,

Cost price of article A =  $x + 20 = 60$

Cost price of article B =  $x + 40 = 80$

Cost price of article C =  $x + 60 = 100$

Given, number of articles of these four types are in the ratio 3 : 2 : 1 : 4.

Total number of articles = 200

Number of articles A

$$= \frac{3}{10} \times 200 = 60$$

Number of articles B

$$= \frac{2}{10} \times 200 = 40$$

Number of articles C

$$= \frac{1}{10} \times 200 = 20$$

Number of articles D

$$= \frac{4}{10} \times 200 = 80$$

Total selling price for wholesaler =  $60 \times 60 + 80 \times 40 + 100 \times 20 + 40 \times 80 = 12000$

Now, the wholesaler had given a discount of 25%.

Let the total amount asked by the wholesaler be 'a'

$$\Rightarrow a - 25\% \text{ of } a = 12000$$



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$$\Rightarrow 0.75a = 12000$$

$$\Rightarrow a = \text{Rs. } 16000$$

so total marked price = 16000

103. Ans. A.

Given, shopkeeper sold 'n' unit of articles of A and B each and 'm' unit of articles of C and D each.

Cost price of article A was Rs. 42.

Thus, the cheapest would be article D.

Let the cost price of article D be 'x'.

Cost price of article A = x + 20

Cost price of article B = x + 40

Cost price of article C = x + 60

Thus, x = 22

Cost price of article B = 62

Cost price of article C = 82

Total cost price = n(42 + 62) + m(82 + 22) =

$$104(n + m)$$

Now, shopkeeper sold them at a profit

$$\text{Thus, } 4680 - 104(n + m) > 0$$

$$\Rightarrow n + m < 45$$

Profit% made will be least when (n + m) is maximum

$$\text{Thus, } n + m = 44$$

Now, we have to find the minimum value of (n - m) for which n + m = 44

Thus, when n = 23 and m = 21, (n - m) will be minimum.

$$\text{Minimum value of } (n - m) = 23 - 21 = 2$$

104. Ans. E.

Number of green balls in bag A = X

So,

$$\frac{x}{5 + x + 7} = \frac{2}{5}$$

On Solving for X, X = 8

Balls in bag B,

Red = 5

Green = 4

Yellow = 6

Probability of the first ball being red = 5/15

Probability of the Second ball being Red = 4/14

Required probability = 5/15 \* 4/14 = 2/21

105. Ans. A.

Money obtained through first sale =

$$(258000 * 85/100)$$

With this money, new car is purchase to obtain a profit of 20%. Hence Final selling price

$$SP_2 = \frac{120}{100} \times \frac{85}{100} \times 258000 = 263160$$

$$\text{Profit} = 263160 - 258000 = 5160$$

106. Ans. D.

Let the three consecutive even number be x+2, x+4, x+6 and x+8.

$$I \Rightarrow \frac{(x+2) + (x+4) + (x+6) + (x+8)}{4} = 17$$

$$4x + 20 = 4 \times 17$$

$$x = 12$$

So, the number are 14, 16, 18 and 20

$$III \Rightarrow (x+2)^2 + (x+4)^2 + (x+6)^2 + (x+8)^2 = 440$$

We can find value of x using equation III individually.

Thus we conclude that either I or III is sufficient to find out the numbers.

107. Ans. E.

From statement I,

Given: The ratio of speed in upstream to the speed in downstream is 2 : 3

Let speed in upstream be 2x km/hr and speed in downstream be 3x km/hr.

Since x is not known, so speed of the stream cannot be obtained.

Thus, the data in Statement I alone are not sufficient to answer the question

From statement II,

Given: The distance travelled in upstream in 2 hours by a man is more than distance travelled by him in downstream in 1 hour by 4km.

$$\Rightarrow \text{distance travelled in upstream} - \text{distance travelled in downstream} = 4 \text{ km}$$

$$(2 \times \text{speed in downstream} - 1 \times \text{speed in upstream}) = 4 \text{ km}$$

∴ Speed in upstream and downstream is not known, so speed of the stream cannot be found using these data.

Thus, the data in Statement II alone are not sufficient to answer the question

Combining I and II,

$$\text{Speed in upstream} = 2x$$

$$\text{Speed in downstream} = 3x$$

$$(2 \times \text{speed in downstream} - 1 \times \text{speed in upstream}) = 4 \text{ km}$$

$$\Rightarrow (2 \times 3x - 1 \times 2x) = 4 \text{ km}$$

$$\Rightarrow 6x - 2x = 4$$

$$\Rightarrow x = 1 \text{ km/hr}$$

∴ Speed in upstream and downstream are 2 km/hr and 3 km/hr respectively.

Speed of the stream = 1/2 (speed in downstream - speed in upstream)

$$= \frac{1}{2} (3 - 2)$$

$$= \frac{1}{2} \text{ km/hr}$$



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108. Ans. A.

From statement 1,  
 Marks in English = 1/2 Hindi  
 Marks in chemistry = 50% of Hindi  
 Hindi = 42 x 2  
 English = 1/2 x 42 x 2 = 42  
 In statement 2 total marks is not given  
 109. Ans. A.

Our aim is to calculate the ratio of the total number of girls to the total number of boys in a college.  
 From statement A,  
 There are 2000 students in the college out of which 40% are girls.

$$\Rightarrow \text{Number of girls} = \frac{40}{100} \times 2000 = 800$$

Thus, number of boys = 2000 - 800 = 1200  
 Ratio of number of boys to the total number of girls in a college = 1200 : 800  
 $\Rightarrow$  Ratio of number of boys to the total number of girls in a college = 3 : 2  
 So, statement A is sufficient to reach at the solution.

From statement B,  
 The ratio of the total number of boys to the total number of girls in the last year was 5 : 5.  
 Here, only last year ratio is given but this data is not sufficient to calculate ratio of number of girls to the total number of boys in a college.  
 So, Statement B alone is not sufficient to reach at the solution.

110. Ans. E.

From statement I and II,

$$\frac{5x + 4}{x + 4} = \frac{17}{5}$$

$$25x + 20 = 17x + 68$$

$$25x - 17x = 68 - 20$$

$$8x = 48$$

$$x = 6$$

$\therefore$  Present ages of the mother = 5x  
 = 5 x 6  
 = 30 yr

111. Ans. E.

Let sum of money invested in Scheme 'A' = x Rs.

$\therefore$  Amount to be invested for Scheme 'B'

$$= \frac{14 \times x \times 8}{100} + x = \frac{53x}{25}$$

Now,

$$6678 = \frac{53x}{25} \left( 1 + \frac{10}{100} \right)^2 - \frac{53x}{25}$$

$$6678 = 53x/25 \left[ \frac{121-100}{100} \right]$$

$\therefore$  Amount

$$x = \frac{6678 \times 25 \times 100}{53 \times 21}$$

$$= 6 \times 25 \times 100$$

$$= 15000 \text{ Rs}$$

112. Ans. E.

Curved surface area of cylinder = 2 $\pi$ rh

Total surface area of cylinder = 2 $\pi$ rh + 2 $\pi$ r<sup>2</sup>

Volume of cylinder =  $\pi$ r<sup>2</sup>h

Ratio of the curved surface area to the total surface area of a cylinder is 3 : 5.

$$\therefore \frac{2\pi rh}{2\pi rh + 2\pi r^2} = \frac{3}{5}$$

$$\Rightarrow 5h = 3h + 3r$$

$$\Rightarrow h = 1.5r$$

Given, curved surface area is 462 cm<sup>2</sup>.

$$\therefore 2\pi rh = 462$$

$$\Rightarrow 1.5r^2 = 462/2\pi$$

$$\Rightarrow r^2 = 49$$

$$\Rightarrow r = 7 \text{ cm}$$

$$\therefore h = 10.5 \text{ cm}$$

$$\text{Volume} = \pi \times 7^2 \times 10.5 \text{ cm}^3$$

$$\Rightarrow \text{Volume} = 1617 \text{ cm}^3$$

113. Ans. D.

Let the price of the mixed variety of sugar be INR x per kg.

By rule of allegation:

Cost of 1 kg of 1<sup>st</sup> type sugar  
 INR 25

Cost of 1 kg of 2<sup>nd</sup> type sugar  
 INR 27.5

Mean price = INR x

(27.5 - x)

(x - 25)

According to the given information:

$$\therefore \frac{27.5 - x}{x - 25} = \frac{2}{3}$$

$$\Rightarrow 82.5 - 3x = 2x - 50$$

$$\Rightarrow 5x = 132.5$$

$$\Rightarrow x = 26.5$$

$\therefore$  C.P. of mixed variety is INR 26.5

M.P. of mixed variety is 20% above the C.P.

$$\Rightarrow \text{M.P.} = 26.5 + 20\% \text{ of } 26.5 = \text{INR } 31.8$$

Hence, the marked price of mixed variety of 1kg sugar is INR 31.8



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114. Ans. C.

Ratio of efficiency of P and Q: =3:2  
 Hence ratio of number of days taken to complete the work by P and Q: =2:3  
 (Efficiency is inversely proportional to number of days taken to complete the whole work)  
 Let the number of days taken by P=2x  
 Let the number of days taken by Q=3x  
 $3x-2x=5$  (because, Q takes 5 more days than P to complete the work)  
 $x=5$   
 Days taken by P=10 and by Q=15  
 Time taken by R=12  
 Efficiency of P=100/10  
 =10%  
 Efficiency of Q=6.66%  
 Efficiency of R=8.33%  
 Total efficiency=25%  
 Work done in 2 days by all three together= 50%  
 Also, R leaves 3 days before completing the work  
 Thus Q works alone  
 Work done by Q in last three days:  
 $6.66 \times 3 = 20\%$   
 Thus (50+20)% of the work has been accounted for. The remaining work must have been done By R and Q  
 Remaining work=100-70  
 =30%  
 R and Q have total efficiency=6.66+8.33  
 =15%  
 i.e. they take 2 days working together to complete the 30% of the work  
 total days=7

115. Ans. B.

Let the present age of the father be x and the son be y  
 Nine years ago, the age of a father was three years more than six times the age of his son.  
 $\Rightarrow(x-9) = 3 + 6(y-9)$   
 $\Rightarrow x - 9 = 3 + 6y - 54$   
 $\Rightarrow x - 6y = -42 \dots\dots\dots (1)$   
 Four years hence, his age will be seven years less than 3.5 times the age of his son.  
 $\Rightarrow x + 4 = 3.5(y + 4) - 7$   
 $\Rightarrow x + 4 = 3.5y + 14 - 7$   
 $\Rightarrow x - 3.5y = 3 \dots\dots\dots (2)$   
 On solving equation (1) and (2), we get  
 $y = 18$  and  $x = 66$   
 After W years from now will their combined age be 100 years  
 $\therefore W = 2z$   
 $\Rightarrow x + y + 2z = 100$

$\Rightarrow 84 + 2x = 100$   
 $\Rightarrow z = 8$   
 Hence, after 8 years from now, their combined age will be 100 years

116. Ans. A.

Required percentage of

$$A = \frac{1026}{1881} \times 100 = 54.55\%$$

$$B = \frac{969}{1282} \times 100 = 75.56\%$$

$$C = \frac{741}{855} \times 100 = 86.67\%$$

$$D = \frac{912}{1454} \times 100 = 62.75\%$$

$$E = \frac{513}{684} \times 100 = 75\%$$

$$F = \frac{855}{1026} \times 100 = 83.33\%$$

$$G = \frac{684}{1368} \times 100 = 50\%$$

	Candidate who joined MBA = 8550	Candidate who completed MBA = 5700
A	$8550 \times \frac{22}{100} = 1881$	$5700 \times \frac{18}{100} = 1026$
B	$8550 \times \frac{15}{100} = 1282$	$5700 \times \frac{17}{100} = 969$
C	$8550 \times \frac{10}{100} = 855$	$5700 \times \frac{13}{100} = 741$
D	$8550 \times \frac{17}{100} = 1454$	$5700 \times \frac{16}{100} = 912$
E	$8550 \times \frac{8}{100} = 684$	$5700 \times \frac{9}{100} = 513$
F	$8550 \times \frac{12}{100} = 1026$	$5700 \times \frac{15}{100} = 855$
G	$8550 \times \frac{16}{100} = 1368$	$5700 \times \frac{12}{100} = 684$

117. Ans. C.



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$$\left( \frac{5700 \times \frac{9}{100}}{8550 \times \frac{8}{100}} \right) \times 100 = \frac{513}{684} \times 100 = 75\%$$

118. Ans. B.

$$\left( \frac{5700 \times \frac{12}{100}}{8550 \times \frac{16}{100}} \right) = \frac{1}{2}$$

119. Ans. D.

Required percentage

$$= \frac{969 + 741}{1282 + 855} \times 100$$

$$= \frac{1710}{2137} \times 100 \approx 80\%$$

120. Ans. C.

Required Difference = (A + D) - (C + E)

$$[Completed - joined] = (1026 + 912) - (855 + 684) = 1938 - 1539 = 399$$

121. Ans. C.

Description: It is given that Oshi married in the month which has 30 days, this raises two cases

Case 1: Oshi married in April.

Case 2: Oshi married in September.

	Jan	Feb	April	May	July	Sept	Dec
Case-1			Oshi				
Case-2						Oshi	

It is stated that one who lived in Tripura married in the month of February. Because February is the only month which has neither 30 days nor 31 days. So,

	Jan	Feb	April	May	July	Sept	Dec
Case-1		(Tripura)	Oshi				
Case-2		(Tripura)				Oshi	

There are two girls married between the one who lives in Tripura and Shakshi. Thus we can conclude that Shakshi is married in the month July.

	Jan	Feb	April	May	July	Sept	Dec
Case-1		(Tripura)	Oshi		Shakshi		
Case-2		(Tripura)			Shakshi	Oshi	

	Jan	Feb	April	May	July	Sept	Dec
Case-1		(Tripura)	Oshi		Shakshi		
Case-2		(Tripura)			Shakshi	Oshi	

Meenakshi married in the month immediate after the month of Shakshi, (i.e. Sept).

This eliminates the case 2.

	Jan	Feb	April	May	July	Sept	Dec
Case-1		(Tripura)	Oshi		Shakshi	Meenakshi	

Pooja lives in Hyderabad and married in the month

December.

	Jan	Feb	April	May	July	Sept	Dec
Case-1		(Tripura)	Oshi		Shakshi	Meenakshi	Pooja(Hyderabad)

It is also given that Ritu married in the month before the marriage of Nisha. Thus, It could be possible only if Nisha married in the month of February and Ritu married in January. And the Leena is the one who married in the May.

	Jan	Feb	April	May	July	Sept	Dec
Case-1	Ritu	Nisha(Tripura)	Oshi	Leena	Shakshi	Meenakshi	Pooja(Hyderabad)

It is provided that Only one girl married between Oshi and the one who lived in Amritsar.

Thus it raises two cases that either Ritu lives in Amritsar or Shakshi lives in Amritsar.

	Jan	Feb	April	May	July	Sept	Dec
Case-1	Ritu(Amritsar)	Nisha(Tripura)	Oshi	Leena	Shakshi	Meenakshi	Pooja(Hyderabad)
Case-2	Ritu	Nisha(Tripura)	Oshi	Leena	Shakshi(Amritsar)	Meenakshi	Pooja(Hyderabad)

But it is given that the one who lives in Agra married immediately before the one who lives in Amritsar.

Thus, It eliminate Case-1

	Jan	Feb	April	May	July	Sept	Dec
Case-2	Ritu	Nisha(Tripura)	Oshi	Leena	Shakshi(Amritsar)	Meenakshi	Pooja(Hyderabad)

And Leena lives in Agra.

	Jan	Feb	April	May	July	Sept	Dec
Case-2	Ritu	Nisha(Tripura)	Oshi	Leena(Agra)	Shakshi(Amritsar)	Meenakshi	Pooja(Hyderabad)

It is given that the one who lives in Firozpur married in the month which has 31 days. January is the possible answer for the one who lives in Firozpur as September has 30 days.

	Jan	Feb	April	May	July	Sept	Dec
Case-2	Ritu(Firozpur)	Nisha(Tripura)	Oshi	Leena(Agra)	Shakshi(Amritsar)	Meenakshi	Pooja(Hyderabad)

	Jan	Feb	April	May	July	Sept	Dec
Case-2	Ritu(Firozpur)	Nisha(Tripura)	Oshi	Leena(Agra)	Shakshi(Amritsar)	Meenakshi	Pooja(Hyderabad)

Oshi do not live at Chennai. Thus Meenakshi lives in Chennai and Oshi is the one who lives in Ranchi.

Case-3	(Firozpur) Ritu	(Tripura) Nisha	(Ranchi) Oshi	(Agra) Leena	(Amritsar) Shakshi	(Chennai) Meenakshi	(Hyderabad) Pooja
	Jan	Feb	April	May	July	Sept	Dec

Thus, we conclude that

Month	Girl	City
Jan	Ritu	Firozpur
Feb	Nisha	Tripura
April	Oshi	Ranchi
May	Leena	Agra
July	Shakshi	Amritsar
Sept.	Meenakshi	Chennai
Dec	Pooja	Hyderabad

Thus Oshi lives in Ranchi



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122. Ans. E.

Month	Girl	City
Jan	Ritu	Firozpur
Feb	Nisha	Tripura
April	Oshi	Ranchi
May	Leena	Agra
July	Shakshi	Amritsar
Sept.	Meenakshi	Chennai
Dec	Pooja	Hyderabad

Tripura is the City which is in the north east part of our country. Since Nisha lives in Tripura. Thus Nisha is the correct answer.

123. Ans. C.

Month	Girl	City
Jan	Ritu	Firozpur
Feb	Nisha	Tripura
April	Oshi	Ranchi
May	Leena	Agra
July	Shakshi	Amritsar
Sept.	Meenakshi	Chennai
Dec	Pooja	Hyderabad

There is only one girl Oshi, who married between Nisha and Leena.

124. Ans. B.

Month	Girl	City
Jan	Ritu	Firozpur
Feb	Nisha	Tripura
April	Oshi	Ranchi
May	Leena	Agra
July	Shakshi	Amritsar
Sept.	Meenakshi	Chennai
Dec	Pooja	Hyderabad

Pooja married in December whereas Ritu is the one who married in January. Thus Pooja and Ritu is the correct answer.

125. Ans. C.

Month	Girl	City
Jan	Ritu	Firozpur
Feb	Nisha	Tripura
April	Oshi	Ranchi
May	Leena	Agra
July	Shakshi	Amritsar
Sept.	Meenakshi	Chennai
Dec	Pooja	Hyderabad

This pattern is formed by skipping two girls in the given table.

Thus Pooja would be related to May.

126. Ans. A.

as seen from the solution, in the step III, example and 52 has 5 elements. So, it has 5 elements.

**Solution:** Now, in the illustration a word and number is being rearranged in each step. In step I, the word with the minimum difference is placed to the extreme left hand side i.e. 'day' has 2 consonants and 1 vowel, so difference is calculated by  $(\text{number of consonants}^{\wedge(\text{number of consonants} - 1)} - \text{number of vowels}^{\wedge(\text{number of vowels} - 1)})$

i.e.  $(2^1 - 1^0) = 1$  and the number with maximum difference is placed to the extreme right hand side i.e. '71', so difference is calculated by  $(\text{Initial number} - (\text{square of numbers}))$ , i.e.  $(71 - (7^2 + 1^2)) = 21$ . In step II, the word with the greater difference is placed ahead of the previous word i.e. 'day as' ('as' has  $20 - 0 = 2$ ) and the number with the second highest difference is placed to the extreme right hand side i.e. '71 43' ('43' has  $(43 - (4^2 + 3^2))) = 18$  and so on.

Input: example body 63 82 friend 24 old 33 72 my 52 diary

Step I: old example body 63 82 friend 24 33 72 my diary 52

Step II: old my example body 63 82 friend 24 33 diary 52 72

Step III: old my diary example body 82 friend 24 33 52 72 63

Step IV: old my diary body example 82 friend 24 52 72 63 33

Step V: old my diary body example friend 24 52 72 63 33 82

Step VI: old my diary body example friend 52 72 63 33 82 24

127. Ans. B.

as seen from the solution, there is no such step in the combination.

**Solution:**

Now, in the illustration a word and number is being rearranged in each step. In step I, the word with the minimum difference is placed to the extreme left hand side i.e. 'day' has 2 consonants and 1 vowel, so difference is calculated by  $(\text{number of consonants}^{\wedge(\text{number of consonants} - 1)} - \text{number of vowels}^{\wedge(\text{number of vowels} - 1)})$

i.e.  $(2^1 - 1^0) = 1$  and the number with maximum difference is placed to the extreme right hand side i.e. '71', so difference is calculated by  $(\text{Initial number} - (\text{square of numbers}))$ , i.e.  $(71 - (7^2 + 1^2)) = 21$ . In step II, the word with the greater difference is placed ahead of the previous word i.e. 'day as' ('as' has  $20 - 0 = 2$ ) and the number with the second highest difference is placed to the extreme right hand side i.e. '71 43' ('43' has  $(43 - (4^2 + 3^2))) = 18$  and so on.

Input: example body 63 82 friend 24 old 33 72 my 52 diary

Step I: old example body 63 82 friend 24 33 72 my diary 52

Step II: old my example body 63 82 friend 24 33 diary 52 72

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Step III: old my diary example body 82 friend 24  
33 52 72 63

Step IV: old my diary body example 82 friend 24  
52 72 63 33

Step V: old my diary body example friend 24 52 72  
63 33 82

Step VI: old my diary body example friend 52 72  
63 33 82 24

128. Ans. C.

as seen from the solution that fifth to the left of the element which is fifth from the right in the step V means that 10th element from the right hand side (we add (5+5) element if they have opposite sides i.e. left and right), i.e. word 'diary'.

**Solution:**

Now, in the illustration a word and number is being rearranged in each step. In step I, the word with the minimum difference is placed to the extreme left hand side i.e. 'day' has 2 consonants and 1 vowel, so difference is calculated by (number of consonants <sup>^(number of consonants - 1)</sup> - number of vowels <sup>^(number of vowels - 1)</sup>)

i.e.  $(2^1 - 1^0) = 1$  and the number with maximum difference is placed to the extreme right hand side i.e. '71', so difference is calculated by (Initial number - (square of numbers)), i.e.  $(71 - (7^2 + 1^2)) = 21$ . In step II, the word with the greater difference is placed ahead of the previous word i.e. 'day as' ('as' has  $20 - 0 = 2$ ) and the number with the second highest difference is placed to the extreme right hand side i.e. '71 43' ('43' has  $(43 - (4^2 + 3^2))) = 18$  and so on.

Input: example body 63 82 friend 24 old 33 72 my 52 diary

Step I: old example body 63 82 friend 24 33 72 my diary 52

Step II: old my example body 63 82 friend 24 33 diary 52 72

Step III: old my diary example body 82 friend 24 33 52 72 63

Step IV: old my diary body example 82 friend 24 52 72 63 33

Step V: old my diary body example friend 24 52 72 63 33 82

Step VI: old my diary body example friend 52 72 63 33 82 24

129. Ans. A.

as seen from the solution, the "friend 52 72' are exactly between the words 'example' and number '63'.

**Solution:**

Now, in the illustration a word and number is being rearranged in each step. In step I, the word with the minimum difference is placed to the extreme left hand side i.e. 'day' has 2 consonants and 1 vowel, so difference is calculated by (number of consonants <sup>^(number of consonants - 1)</sup> - number of vowels <sup>^(number of vowels - 1)</sup>)

i.e.  $(2^1 - 1^0) = 1$  and the number with maximum difference is placed to the extreme right hand side i.e. '71', so difference is calculated by (Initial number - (square of numbers)), i.e.  $(71 - (7^2 + 1^2)) = 21$ . In step II, the word with the greater difference is placed ahead of the previous word i.e. 'day as' ('as' has  $20 - 0 = 2$ ) and the number with the second highest difference is placed to the extreme right hand side i.e. '71 43' ('43' has  $(43 - (4^2 + 3^2))) = 18$  and so on.

Input: example body 63 82 friend 24 old 33 72 my 52 diary

Step I: old example body 63 82 friend 24 33 72 my diary 52

Step II: old my example body 63 82 friend 24 33 diary 52 72

Step III: old my diary example body 82 friend 24 33 52 72 63

Step IV: old my diary body example 82 friend 24 52 72 63 33

Step V: old my diary body example friend 24 52 72 63 33 82

Step VI: old my diary body example friend 52 72 63 33 82 24

130. Ans. C.

as seen from the solution, the step IV "old my diary body example 82 friend 24 52 72 63 33".

**Solution:** Now, in the illustration a word and number is being rearranged in each step. In step I, the word with the minimum difference is placed to the extreme left hand side i.e. 'day' has 2 consonants and 1 vowel, so difference is calculated by (number of consonants <sup>^(number of consonants - 1)</sup> - number of vowels <sup>^(number of vowels - 1)</sup>)

i.e.  $(2^1 - 1^0) = 1$  and the number with maximum difference is placed to the extreme right hand side i.e. '71', so difference is calculated by (Initial number - (square of numbers)), i.e.  $(71 - (7^2 + 1^2)) = 21$ . In step II, the word with the greater difference is placed ahead of the previous word i.e. 'day as' ('as' has  $20 - 0 = 2$ ) and the number with the second highest difference is placed to the extreme right hand side i.e. '71 43' ('43' has  $(43 - (4^2 + 3^2))) = 18$  and so on.



**FREE TEST**

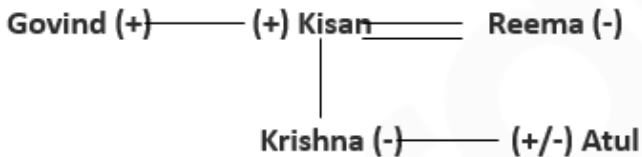
**IBPS RRB OFFICER SCALE I COMBO EXAM**

**ATTEMPT NOW**

Input: example body 63 82 friend 24 old 33 72 my 52 diary  
 Step I: old example body 63 82 friend 24 33 72 my diary 52  
 Step II: old my example body 63 82 friend 24 33 diary 52 72  
 Step III: old my diary example body 82 friend 24 33 52 72 63  
 Step IV: old my diary body example 82 friend 24 52 72 63 33  
 Step V: old my diary body example friend 24 52 72 63 33 82  
 Step VI: old my diary body example friend 52 72 63 33 82 24  
 131. Ans. C.

From I  
 Mohan's rank = 16th  
 Mohan is ahead of Kamal by 6 ranks.  
 Kamal being 7 ranks ahead of Ashok.  
 Ashok's rank is -  $16+6+7 = 29$ th rank  
 From II  
 Pradeep is 24 ranks ahead of Ashok and Pramod is 6 ranks behind Ashok while Kavita stands exactly in the middle of Pradeep and Pramod in ranks, her rank being 16.  
 Total number of students between pradeep and pramod =  $24 + 6+1=31$   
 kavita is in the middle, so her rank will be = 16th  
 so, Ashok's rank will be -  $6 + 1 = 7$ th

132. Ans. B.



133. Ans. C.

From statement 1:  $A > C$ ,  $E, A < F$ ,  $F > B$ ,  $D$   
 F is tallest  
 From Statement 2:  
 $F > B > A > C > >$   
 F is tallest

134. Ans. A.

From statement I. P, Q and R stand in a straight line  
 From statement II. Point R cannot be connected to the figure formed in which points P and Q exists. So cannot be said about point R that it lies straight to P and Q or not.

135. Ans. E.

From both Statement: Library – lo

136. Ans. C.

'Find' is 3<sup>rd</sup> from the left end in the 3<sup>rd</sup> step.  
 One word and one number are arranged in each step. Words are arranged according to the alphabetical order (first word according to the alphabetical series at the left end then in 2<sup>nd</sup> step 2<sup>nd</sup> word according to the alphabetical series at the left end). Numbers are arranged lowest number after sum of the digits of the number so which is the lowest at the right end then 2<sup>nd</sup> lowest in the second step.

**Input:** fund suit 141 118 find 122 128 signal force 139 stand 147

**Step I:** find fund suit 141 118 128 signal force 139 stand 147 122

**Step II:** force find fund suit 118 128 signal 139 stand 147 122 141

**Step III:** fund force find suit 128 signal 139 stand 147 122 141 118

**Step IV:** signal fund force find suit 139 stand 147 122 141 118 128

**Step V:** stand signal fund force find suit 139 122 141 118 128 147

**Step VI:** suit stand signal fund force find 122 141 118 128 147 139

137. Ans. D.

In both Step II and Step III 'signal 139 stand' are in that order.

One word and one number are arranged in each step. Words are arranged according to the alphabetical order (first word according to the alphabetical series at the left end then in 2<sup>nd</sup> step 2<sup>nd</sup> word according to the alphabetical series at the left end). Numbers are arranged lowest number after sum of the digits of the number so which is the lowest at the right end then 2<sup>nd</sup> lowest in the second step.

**Input:** fund suit 141 118 find 122 128 signal force 139 stand 147

**Step I:** find fund suit 141 118 128 signal force 139 stand 147 122

**Step II:** force find fund suit 118 128 signal 139 stand 147 122 141

**Step III:** fund force find suit 128 signal 139 stand 147 122 141 118

**Step IV:** signal fund force find suit 139 stand 147 122 141 118 128

**Step V:** stand signal fund force find suit 139 122 141 118 128 147

**Step VI:** suit stand signal fund force find 122 141 118 128 147 139



**FREE TEST**

**IBPS RRB OFFICER SCALE I COMBO EXAM**

**ATTEMPT NOW**

138. Ans. A.

**Step IV:** signal fund force find suit 139 **stand** 147  
122 141 118 128.

One word and one number are arranged in each step. Words are arranged according to the alphabetical order (first word according to the alphabetical series at the left end then in 2<sup>nd</sup> step 2<sup>nd</sup> word according to the alphabetical series at the left end). Numbers are arranged lowest number after sum of the digits of the number so which is the lowest at the right end then 2<sup>nd</sup> lowest in the second step.

**Input:** fund suit 141 118 find 122 128 signal force 139 stand 147

**Step I:** find fund suit 141 118 128 signal force 139 stand 147 122

**Step II:** force find fund suit 118 128 signal 139 stand 147 122 141

**Step III:** fund force find suit 128 signal 139 stand 147 122 141 118

**Step IV:** signal fund force find suit 139 stand 147 122 141 118 128

**Step V:** stand signal fund force find suit 139 122 141 118 128 147

**Step VI:** suit stand signal fund force find 122 141 118 128 147 139

139. Ans. B.

**Step VI:** suit stand signal fund force find 122 141 118 **128 147** 139  
147-128=19.

One word and one number are arranged in each step. Words are arranged according to the alphabetical order (first word according to the alphabetical series at the left end then in 2<sup>nd</sup> step 2<sup>nd</sup> word according to the alphabetical series at the left end). Numbers are arranged lowest number after sum of the digits of the number so which is the lowest at the right end then 2<sup>nd</sup> lowest in the second step.

**Input:** fund suit 141 118 find 122 128 signal force 139 stand 147

**Step I:** find fund suit 141 118 128 signal force 139 stand 147 122

**Step II:** force find fund suit 118 128 signal 139 stand 147 122 141

**Step III:** fund force find suit 128 signal 139 stand 147 122 141 118

**Step IV:** signal fund force find suit 139 stand 147 122 141 118 128

**Step V:** stand signal fund force find suit 139 122 141 118 128 147

**Step VI:** suit stand signal fund force find 122 141 118 128 147 139

140. Ans. D.

**Step V:** stand signal fund force find suit 139 122 141 118 128 147

'find' is 5<sup>th</sup> from the left end.

One word and one number are arranged in each step. Words are arranged according to the alphabetical order (first word according to the alphabetical series at the left end then in 2<sup>nd</sup> step 2<sup>nd</sup> word according to the alphabetical series at the left end). Numbers are arranged lowest number after sum of the digits of the number so which is the lowest at the right end then 2<sup>nd</sup> lowest in the second step.

**Input:** fund suit 141 118 find 122 128 signal force 139 stand 147

**Step I:** find fund suit 141 118 128 signal force 139 stand 147 122

**Step II:** force find fund suit 118 128 signal 139 stand 147 122 141

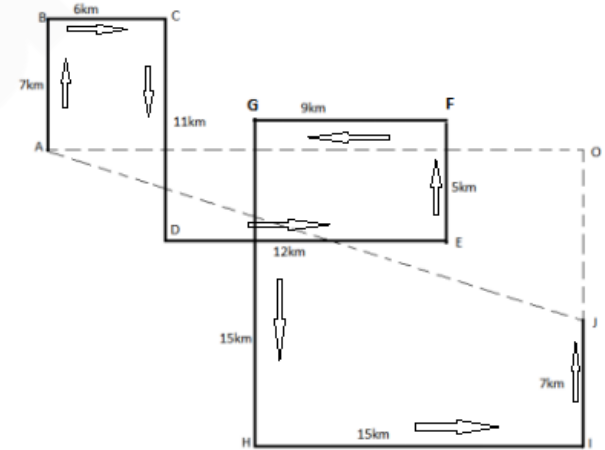
**Step III:** fund force find suit 128 signal 139 stand 147 122 141 118

**Step IV:** signal fund force find suit 139 stand 147 122 141 118 128

**Step V:** stand signal fund force find suit 139 122 141 118 128 147

**Step VI:** suit stand signal fund force find 122 141 118 128 147 139

141. Ans. B.



Lets take a point O as mentioned in the above diagram

$$AJ^2 = AO^2 + JO^2$$

$$AJ^2 = 24^2 + 7^2$$

$$AJ^2 = 576 + 49$$

$$AJ^2 = 625$$

$$AJ = 25\text{km}$$

And it is clear from the above diagram A is in North-west direction with respect to J.



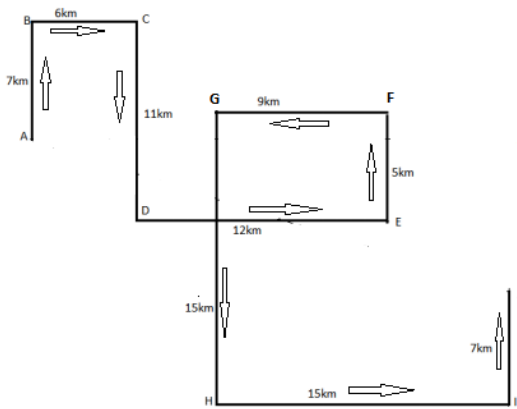
**FREE TEST**

**IBPS RRB OFFICER SCALE I COMBO EXAM**

**ATTEMPT NOW**

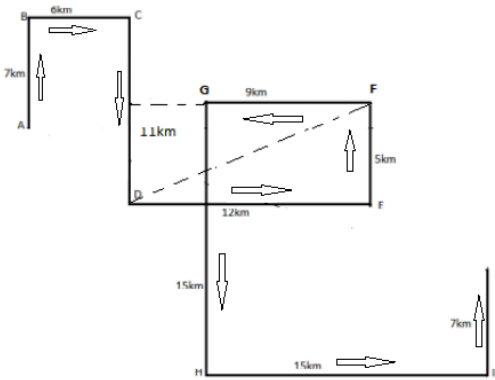


142. Ans. A.



It is clear from the diagram that H is in south west direction with respect to F.

143. Ans. E.



From the above diagram

$$FD^2 = DF^2 + EF^2$$

$$FD^2 = 12^2 + 5^2$$

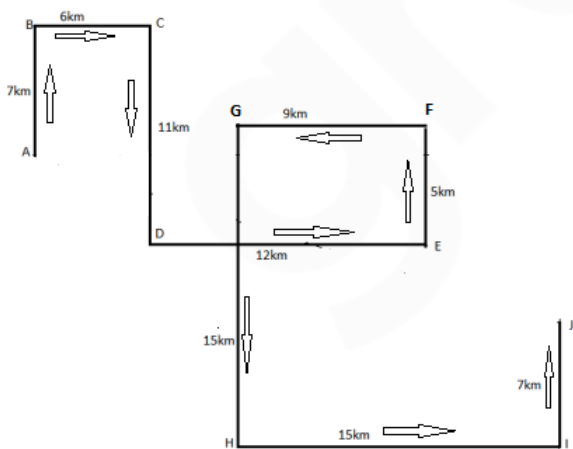
$$FD^2 = 144 + 25$$

$$FD^2 = 169$$

$$FD = 13\text{km}$$

144. Ans. B.

South - east



145. Ans. A.

Option I best explains the situation – on the one hand the school has to ensure a nutritious diet for the kids and on the other they need some extra funds to function. Option II does not explain the paradox that is presented.

146. Ans. C.

The passage do not talk about anything that indicates an agitation from farmers. Hence we cannot assume (A). The government is planning on banning some of the harmful chemicals not all of them, hence (B) is wrong. Using herbicide is a course of action not an inference so (D) is also wrong. Now, it's been stated that the pests are getting immune and hence the use of more chemicals. Only if the pests are subjected to chemicals for a long time they develop resistance. Thus we can infer the option (C) from the passage.

147. Ans. C.

Option (a) and (b) are assumptions and cannot be logically concluded from the passage. Option (d) is wrong as there is no mention regarding sales. Option (e) cannot be inferred as the statement also mention use of company website not just social media. We can only say that, as the customer having seen or heard the nutritionist's opinion started questioning the ads and criticize the company. They believe the words of nutritionist. Hence, the nutritionist has very high credibility and great track record for being right. So we can only infer and conclude option (c).

148. Ans. D.

If the ads are misleading, reading them carefully might not help at all, neither would contacting the university because the authorities would simple reinforce the lie.

149. Ans. C.

Choice (1), (2) and (4) strengthen the conclusion. In choice (3), it has been explained of the possibility that wolves may also attack the cattle, which weakens the conclusion that the cattle are being lost only to the big cats. Hence choice (3) is correct.

150. Ans. E.

To ensure that debts taken are repaid promptly, the customers' requirements and future prospects ought to be studies and their work constantly checked. Thus, both the courses follow.



**FREE TEST**

**IBPS RRB OFFICER SCALE I COMBO EXAM**

**ATTEMPT NOW**

151. Ans. A.

In this puzzle, we have to make 8 people sit in a row in which some face north and some face south. We have to fix Zalia first as her position is exactly defined (extreme end of the row), but we don't know whether she sits at right extreme or left extreme.

So, two possibilities occur for Zalia's position. Then we have to see whether any information connecting to Zalia is given or not. As it is given three people are sitting between Zalia and the actor, we can fix the actor 4th to Zalia (either right or left) and it is given that actor is facing north. So as actors position is fixed check any statement connecting to actor is given or not.

As it is stated that Zabeel is sitting second to the left of the actor his position is defined and he is facing south. Another link connecting to Zalia is given i.e. zaheera (teacher) is sitting third to the right of Zalia and so zaheera's position is fixed. Then coming to the next thread, some definite information is given (Zaro is a doctor and facing north, zarim is a painter, Zart is not a neighbor of Zalia).

Make a note of them beside your workspace so that you need not go back to them. Then make the arrangements using this definite information. Finally, you will be able to get the arrangement satisfying all the conditions.

ZART	ZABEEL	ZARIM	ZOLY	ZAHEERA	ZANJEER	ZARO	ZALIA
-----	-----	-----	-----	-----	-----	-----	-----
Tourist	swimmer	painter	actor	teacher	can't say	doctor	can't say
North	south	south	north	south	south	north	south

152. Ans. D.

In this puzzle, we have to make 8 people sit in a row in which some face north and some face south. We have to fix Zalia first as her position is exactly defined (extreme end of the row), but we don't know whether she sits at right extreme or left extreme.

So, two possibilities occur for Zalia's position. Then we have to see whether any information connecting to Zalia is given or not. As it is given three people are sitting between Zalia and the actor, we can fix the actor 4th to Zalia (either right or left) and it is given that actor is facing north. So as actors position is fixed check any statement connecting to actor is given or not.

As it is stated that Zabeel is sitting second to the left of the actor his position is defined and he is

facing south. Another link connecting to Zalia is given i.e. zaheera (teacher) is sitting third to the right of Zalia and so zaheera's position is fixed. Then coming to the next thread, some definite information is given (Zaro is a doctor and facing north, zarim is a painter, Zart is not a neighbor of Zalia).

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ZART	ZABEEL	ZARIM	ZOLY	ZAHEERA	ZANJEER	ZARO	ZALIA
-----	-----	-----	-----	-----	-----	-----	-----
Tourist	swimmer	painter	actor	teacher	can't say	doctor	can't say
North	south	south	north	south	south	north	south

153. Ans. D.

In this puzzle, we have to make 8 people sit in a row in which some face north and some face south. We have to fix Zalia first as her position is exactly defined (extreme end of the row), but we don't know whether she sits at right extreme or left extreme.

So, two possibilities occur for Zalia's position. Then we have to see whether any information connecting to Zalia is given or not. As it is given three people are sitting between Zalia and the actor, we can fix the actor 4th to Zalia (either right or left) and it is given that actor is facing north. So as actors position is fixed check any statement connecting to actor is given or not.

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ZART	ZABEEL	ZARIM	ZOLY	ZAHEERA	ZANJEER	ZARO	ZALIA
-----	-----	-----	-----	-----	-----	-----	-----
Tourist	swimmer	painter	actor	teacher	can't say	doctor	can't say
North	south	south	north	south	south	north	south

154. Ans. C.

In this puzzle, we have to make 8 people sit in a row in which some face north and some face



**FREE TEST**

**IBPS RRB OFFICER SCALE I COMBO EXAM**

**ATTEMPT NOW**

south. We have to fix Zalia first as her position is exactly defined (extreme end of the row), but we don't know whether she sits at right extreme or left extreme.

So, two possibilities occur for Zalia's position. Then we have to see whether any information connecting to Zalia is given or not. As it is given three people are sitting between Zalia and the actor, we can fix the actor 4th to Zalia (either right or left) and it is given that actor is facing north. So as actors position is fixed check any statement connecting to actor is given or not.

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Make a note of them beside your workspace so that you need not go back to them. Then make the arrangements using this definite information. Finally, you will be able to get the arrangement satisfying all the conditions.

ZART	ZABEEL	ZARIM	ZOLY	ZAHEERA	ZANJEER	ZARO	ZALIA
-----	-----	-----	-----	-----	-----	-----	-----
Tourist	swimmer	painter	actor	teacher	can't say	doctor	can't say
North	south	south	north	south	south	north	south

155. Ans. C.

In this puzzle, we have to make 8 people sit in a row in which some face north and some face south. We have to fix Zalia first as her position is exactly defined (extreme end of the row), but we don't know whether she sits at right extreme or left extreme.

So, two possibilities occur for Zalia's position. Then we have to see whether any information connecting to Zalia is given or not. As it is given three people are sitting between Zalia and the actor, we can fix the actor 4th to Zalia (either right or left) and it is given that actor is facing north. So as actors position is fixed check any statement connecting to actor is given or not.

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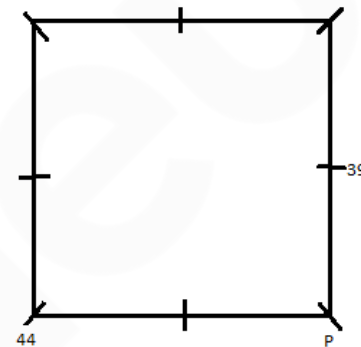
Make a note of them beside your workspace so that you need not go back to them. Then make the arrangements using this definite information. Finally, you will be able to get the arrangement satisfying all the conditions.

ZART	ZABEEL	ZARIM	ZOLY	ZAHEERA	ZANJEER	ZARO	ZALIA
-----	-----	-----	-----	-----	-----	-----	-----
Tourist	swimmer	painter	actor	teacher	can't say	doctor	can't say
North	south	south	north	south	south	north	south

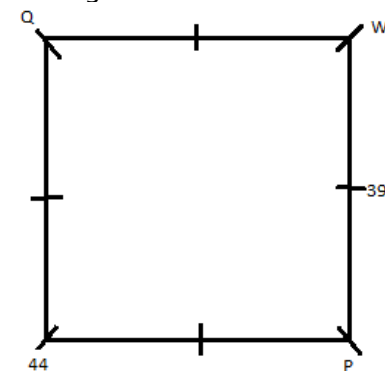
156. Ans. B.

P sits 2nd to the right of the one who has the age of 44. P is an immediate neighbour of 39. 44 is a multiple of 2 so he will sit at the corner of the sides. There will be 2 possibilities. P is at the left of 39 or to the right 39.

Lets take 39 to the right of P.



Two persons sit between Q and having the age of 39. Since Q has not the age of 44. Hence Q is 3<sup>rd</sup> to the right of 39. W sits 2nd to the left of Q.



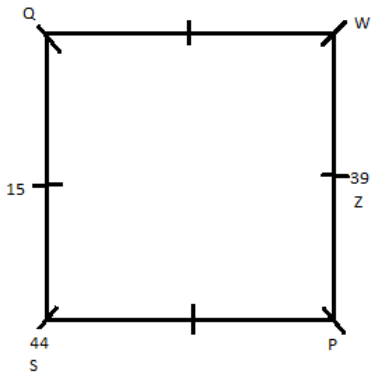
Three persons sit between Z and the one having age 15. S is immediate right of the person having age of 15. Hence Z is the person whose age is 39 and 15 will be opposite to Z.



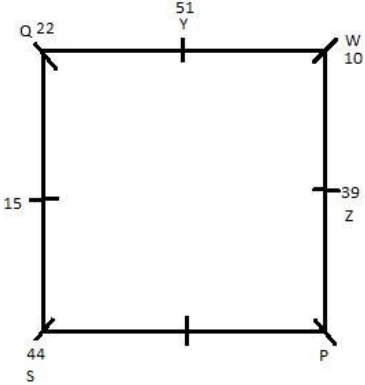
**FREE TEST**

**IBPS RRB OFFICER SCALE I COMBO EXAM**

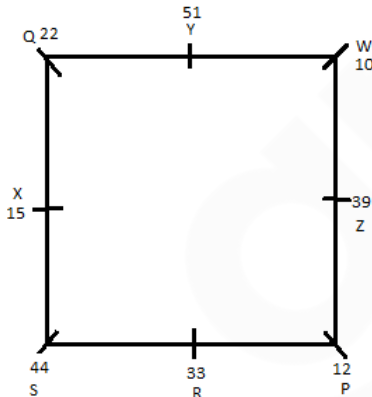
**ATTEMPT NOW**



Person having age 22 sits 2nd to the right of the person having age 10. Age of P is not 10. Hence W's age is 10 and Q's age is 22. Y sits immediate left of the person having age of 22. Age of Y is 51.



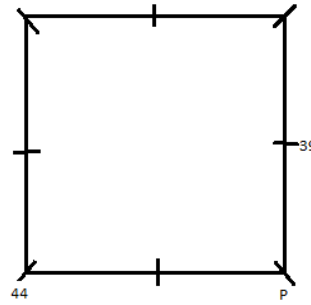
Now only two places left for R and X. Since R is greater than 20. So the position of R is to the immediate right of S and X's age will be 15. Age of R is 18 ages more than X. So the age of R is (18+15) i.e 33. Age of X is 3 more than age of P. Hence age of P is 12 years.



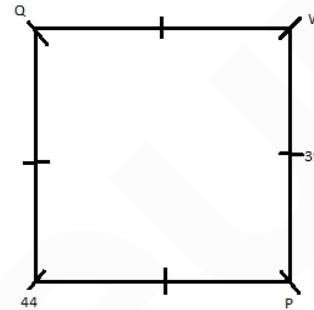
157. Ans. A.

P sits 2nd to the right of the one who has the age of 44. P is an immediate neighbour of 39. 44 is a multiple of 2 so he will sit at the corner of the sides. There will be 2 possibilities. P is at the left of 39 or to the right 39.

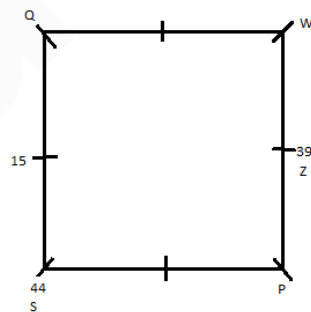
Lets take 39 to the right of P.



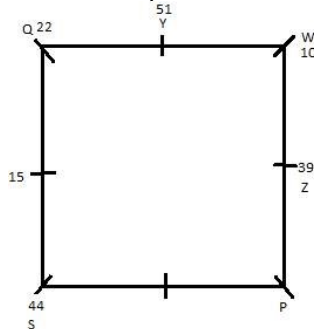
Two persons sit between Q and having the age of 39. Since Q has not the age of 44. Hence Q is 3<sup>rd</sup> to the right of 39. W sits 2nd to the left of Q.



Three persons sit between Z and the one having age 15. S is immediate right of the person having age of 15. Hence Z is the person whose age is 39 and 15 will be opposite to Z.



Person having age 22 sits 2nd to the right of the person having age 10. Age of P is not 10. Hence W's age is 10 and Q's age is 22. Y sits immediate left of the person having age of 22. Age of Y is 51.



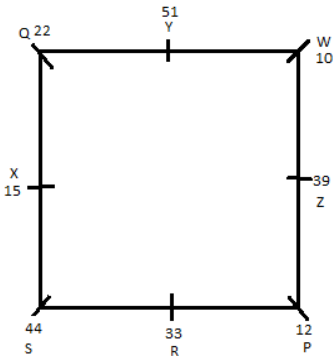
**FREE TEST**

IBPS RRB OFFICER SCALE I COMBO EXAM

**ATTEMPT NOW**



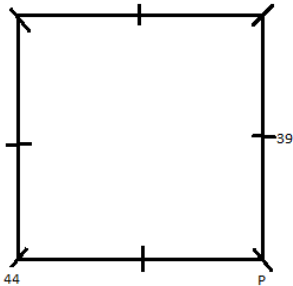
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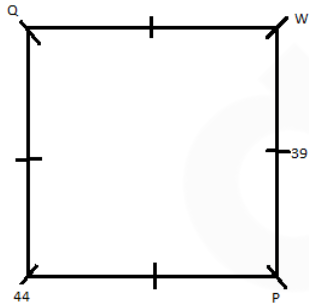
158. Ans. A.

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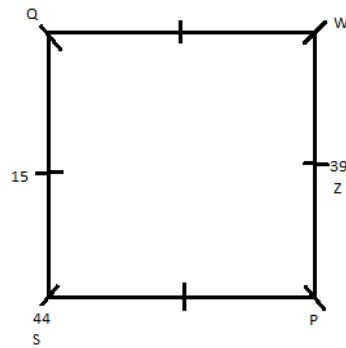
Lets take 39 to the right of P.



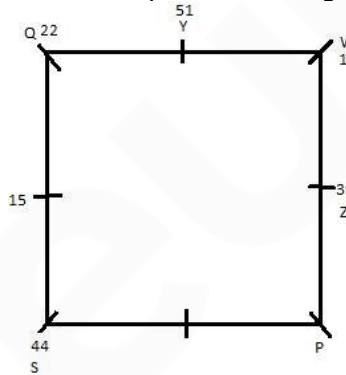
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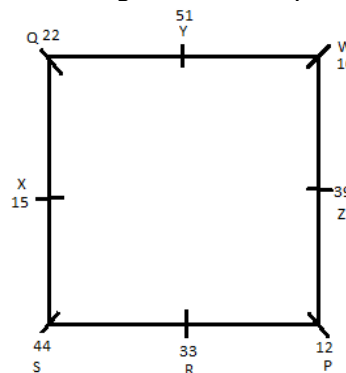
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Now only two places left for R and X. Since R is greater than 20. So the position of R is to the immediate right of S and X's age will be 15. Age of R is 18 ages more than X. So the age of R is (18+15) i.e 33. Age of X is 3 more than age of P. Hence age of P is 12 years.



159. Ans. D.

P sits 2nd to the right of the one who has the age of 44. P is an immediate neighbour of 39. 44 is a multiple of 2 so he will sit at the corner of the sides. There will be 2 possibilities. P is at the left of 39 or to the right 39.

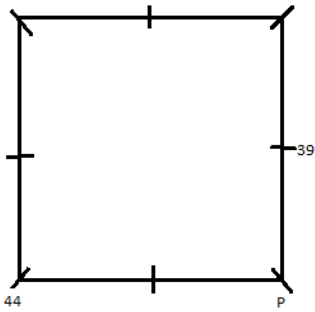
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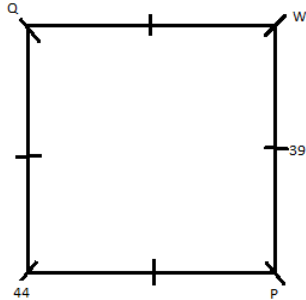
**FREE TEST**

IBPS RRB OFFICER SCALE I COMBO EXAM

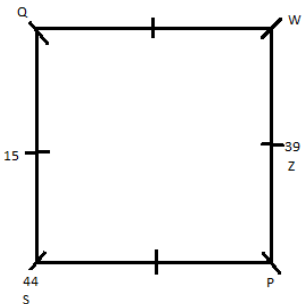
**ATTEMPT NOW**



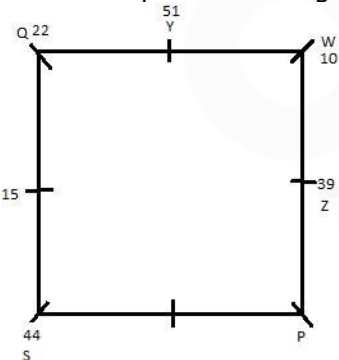
Two persons sit between Q and having the age of 39. Since Q has not the age of 44. Hence Q is 3<sup>rd</sup> to the right of 39. W sits 2<sup>nd</sup> to the left of Q.



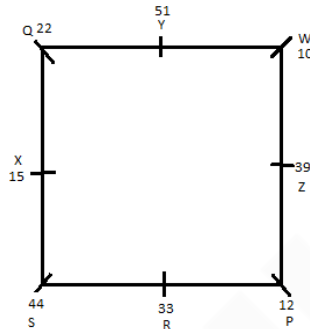
Three persons sit between Z and the one having age 15. S is immediate right of the person having age of 15. Hence Z is the person whose age is 39 and 15 will be opposite to Z.



Person having age 22 sits 2<sup>nd</sup> to the right of the person having age 10. Age of P is not 10. Hence W's age is 10 and Q's age is 22. Y sits immediate left of the person having age of 22. Age of Y is 51.



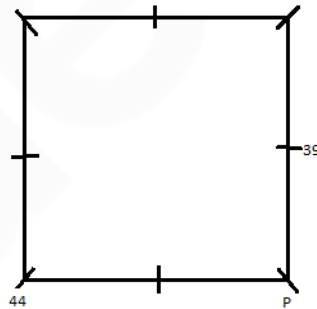
Now only two places left for R and X. Since R is greater than 20. So the position of R is to the immediate right of S and X's age will be 15. Age of R is 18 ages more than X. So the age of R is (18+15) i.e 33. Age of X is 3 more than age of P. Hence age of P is 12 years.



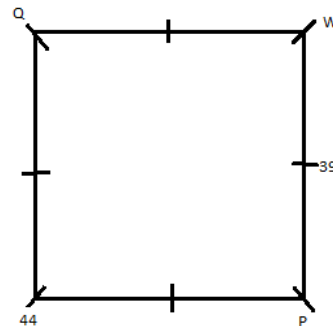
160. Ans. A.

P sits 2<sup>nd</sup> to the right of the one who has the age of 44. P is an immediate neighbour of 39. 44 is a multiple of 2 so he will sit at the corner of the sides. There will be 2 possibilities. P is at the left of 39 or to the right 39.

Lets take 39 to the right of P.



Two persons sit between Q and having the age of 39. Since Q has not the age of 44. Hence Q is 3<sup>rd</sup> to the right of 39. W sits 2<sup>nd</sup> to the left of Q.



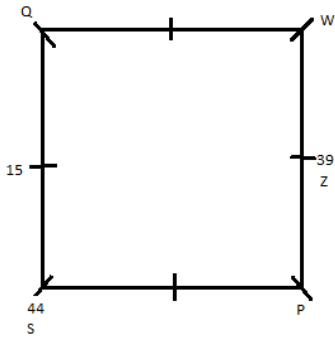
Three persons sit between Z and the one having age 15. S is immediate right of the person having age of 15. Hence Z is the person whose age is 39 and 15 will be opposite to Z.



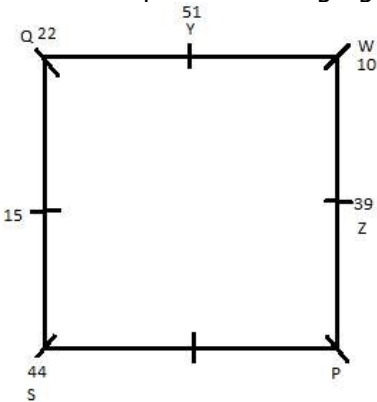
**FREE TEST**

IBPS RRB OFFICER SCALE I COMBO EXAM

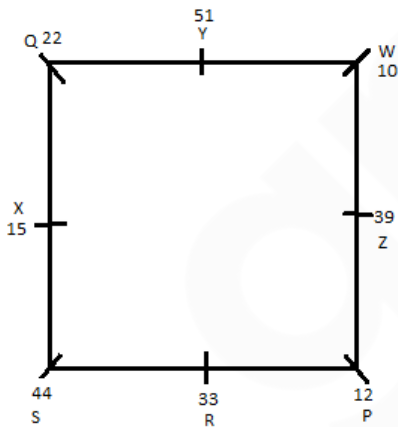
**ATTEMPT NOW**



Person having age 22 sits 2nd to the right of the person having age 10. Age of P is not 10. Hence W's age is 10 and Q's age is 22. Y sits immediate left of the person having age of 22. Age of Y is 51.



Now only two places left for R and X. Since R is greater than 20. So the position of R is to the immediate right of S and X's age will be 15. Age of R is 18 ages more than X. So the age of R is (18+15) i.e 33. Age of X is 3 more than age of P. Hence age of P is 12 years.



161. Ans. C.

It can be inferred from the last few lines of the first paragraph of the passage

162. Ans. C.

It has been clearly stated in the passage

163. Ans. A.

It can be clearly picked up from the latter half of the passage. It as it is states, 'The Scottish Act of 1998 clearly states that acts of the Scottish Parliament that are not compatible with EU legislation are "not law". So if the U.K. leaves the EU, these laws would have to be repealed and replaced with new ones.'

164. Ans. B.

It is clearly stated in the passage, 'Secondly, Scottish leaders are keenly aware of the local sentiment in support of the EU. Recent polls suggest that the public mood in Scotland is already swinging in favour of leaving the U.K.'

165. Ans. C.

It can be clearly picked up from the passage, 'Ever dissatisfied with English domination in the U.K., Scots see themselves as part of the European project.'

166. Ans. B.

Option A can be inferred from the following line of the first para, 'Young people value the European labour market for employment.'

Option B can be inferred from the following line of the second para, 'The U.K. is not just another "country" where provinces blindly follow the centre's diktats. It is a confederation of four nations with competing histories and where regional sensibilities are of great significance.'

Option C can be inferred from the following line of the second para, 'The Scottish Act of 1998 clearly states that acts of the Scottish Parliament that are not compatible with EU legislation are "not law".'

Option D can be inferred from the following line of the second para, 'So if the U.K. leaves the EU, these laws would have to be repealed and replaced with new ones. That could certainly put Scotland and London on a collision course.'

Option E can be inferred from the following line of the second para, 'If Scotland gets another independence vote, calls for Northern Ireland to be merged with the Republic of Ireland, an EU member, could gain momentum.'

167. Ans. C.

Nowhere in the passage is there a discussion regarding the creation of laws in terms of a contrast, hence option A can be eliminated. Option B has not been discussed in the form of any comparison or dissimilitude, hence option B can be eliminated as well.



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**ATTEMPT NOW**

Refer to the following line of the first para, 'Scots overwhelmingly voted to Remain, while Brexiteers won the composite U.K. vote by a 52-48 per cent majority.'

Refer to the following line of the second para, 'Recent polls suggest that the public mood in Scotland is already swinging in favour of leaving the U.K.'

From the first para, it is clear that Scots were in the favour of remaining in the EU while the second para brings a contrast and states that the Scots wanted to leave the EU.

Option C is the correct answer.

168. Ans. A.

The passage speaks about the 7<sup>th</sup> pay commission's components and their various effects. So option A is the only viable option that covers the idea of the entire passage.

169. Ans. C.

the OROP in the passage is referred to be a burden, not a weak point (option A), nor a warning (option B), not a cause of trouble (option D) and not a service that requires repair(option E).

170. Ans. C.

The entire passage speaks about how the 7<sup>th</sup> pay commission would cause hike in wages and its different effects. So option C is the only possible answer.

171. Ans. B.

option A is a judgement that if the 7<sup>th</sup> pay commission is successful it would help in rooting out inflation.

Option C is also a judgement as there is no supporting statement for it.

Option D is also a judgement as it is stated in the passage that it may or may not have an effect on inflation.

Option E is an information provided in the passage with no supporting statement.

172. Ans. C.

the passage says that the main problem would balancing industries along with farms and rest of the issues have arisen directly or indirectly due to this. So option C is the correct alternative.

173. Ans. C.

the pay commission focuses on the fiscal deficit reducing the pressure on prices. So fiscal deficit may or may not reduce after this but the pressure on the prices are surely to be reduced. Rest of the options are irrelevant.

174. Ans. E.

only when the private sector wages increase upto meeting the demands that there would be any effect on the inflation. Fiscal deficit is the broader concern to the government. Options A, B and C are the measures taken to meet the same.

175. Ans. B.

Sustained means continuing for an extended period or without interruption. It is the most suitable response as per the context. The clue is 'sustainable basis' - the last two words of the statement.

176. Ans. D.

Resilience means the capacity to recover quickly from difficulties. It here indicates that greening rural development will help establish the capacity to face or recover from the harsh experiences of climate by the rural poor.

177. Ans. A.

This is a tricky question. Multiple words may seem to fit in due to their similar meaning. However, with goals we usually the word attainment/achievement, to be specific.

178. Ans. E.

Imperative means requisites/ directives. It is contextually the most suitable response.

179. Ans. C.

Potential refers to the possibility of achievement, capability.

180. Ans. D.

To ride hell for leather means to ride with furious speed.

To put on one's mettle means to make someone do his best.

Be in mire means to be in difficult situation.

To make a shot means to make a guess.

To get hang of a thing means to understand the meaning of something.

According to the sentence, the lawyer spent a lot of time analysing the case in order to understand the meaning of it.

Therefore D is the correct answer.

181. Ans. A.

Pell-mell means in a hurried disorder.

Sum and substance means summary.

High and low means everywhere.

Fits and starts means irregularly.

A drug in the market means commodities, not in demand.

According to the sentence, the goods that he is planning to sell would be something not in demand.

Therefore A is the correct answer.



**FREE TEST**

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**ATTEMPT NOW**



182. Ans. E.

Being ill mouthed means using foul language.  
Foul-mouthed also means the same.  
Speaking daggers means to speak to someone with hostility.  
One cannot influence someone by using foul language or by speaking with hostility.  
Therefore options A, B and C are eliminated.  
By striking one's color means by surrendering.  
Being mealy-mouthed means being soft-tongued.  
Therefore E is the correct answer.

183. Ans. C.

To give one's ear means to listen carefully.  
Cried wolf means to raise a false alarm.  
Gave a rap on the knuckles means to rebuke.  
Cut the Gordian knot means to solve a difficult problem.  
Turned a deaf ear means to not pay any attention.  
According to the sentence, the labors became furious when the management paid no attention to their demand of pay hike.  
Therefore option C is the correct answer.

184. Ans. D.

Resting on my laurels means to be complacent.  
Fair and square means with absolute accuracy.  
Fishing in troubled water means to involve oneself in troubled difficult situation.  
In high spirits means being extremely happy.  
On the wane means declining.  
The sentence means that the popularity of this actor is declining.  
Therefore D is the correct answer.

185. Ans. B.

The word 'foundation' which means 'establishment' fits here correctly and the preposition that should precede it is 'of'. Hence, keep option B on hold.  
Option A is grammatically incorrect; hence it can be eliminated.  
Option C makes the part sound, 'mark the 87th anniversary for the celebration' which makes no sense; hence option C can be eliminated.  
Options D and E are too specific and can't be judged from the given content; hence they can be eliminated as well.  
Hence, option B is the most suitable response.

186. Ans. A.

The statement is definitely about the economy of the country as the same sentence talks about creating new sectors to employ young citizens. Also, the need to open up the country's cloistered lifestyle has been mentioned in the sentence. So

the usage of option C will lead to repetition. The word 'diversify' means 'make more varied'. The word 'begrudge' means 'envy'. Envy of the economy makes no sense here, hence option B can be eliminated.

You do not 'push away' from something, but 'pull away'. Hence option D can be eliminated. The word 'away' does not fit after option 'withdraw'; hence option E can be eliminated. Clearly, 'diversify' fits into the context well. Hence option A is the most suitable response.

187. Ans. D.

The sentence clearly talks about the rigidity of the religion which suppresses women. 'And' in option A is not a suitable connector for the blank and the statement following it since its use denotes similarity in context, which is not the case here. Hence, option A can be eliminated. Option B contrasts with the intended meaning of the statement; hence it can also be eliminated. Option C doesn't convey a suitable meaning as the usage of 'Islam' indicates that the context is concerned with religion and not commerce. It would be too absurd to say that rituals govern the norms of a country. Thus, E can be eliminated too.

'Adhere' means to stick; 'austere' means severe or strict in manner or attitude. When put into the blank option D makes perfect sense and agrees with the larger context of the sentence. Hence, option D is the most suitable response.

188. Ans. E.

The concerned sentence means that since there are orthodox beliefs in the country with respect to women, something has been done to the plans which aim at empowering women. The structure of the sentence is such that the correct tense here should be present perfect. Thus options A, C, and D are incorrect. 'Palinode' is a noun and means 'a retraction', hence option B is incorrect. 'Censured' which means 'condemned' conveys the correct meaning as the orthodox beliefs would obviously condemn empowerment of women. Hence, option E is the correct answer. 'Extenuating' means 'partially excusing or justifying'. 'Florid' means 'elaborately or excessively ornamented'. 'Desecration' means the action of treating something with violent disrespect.



**FREE TEST**

**IBPS RRB OFFICER SCALE I COMBO EXAM**

**ATTEMPT NOW**

189. Ans. A.

A cleric is a priest or religious leader, especially a Christian or Muslim one.

Since the word 'clerics' is used before the blank and the content in the blank needs to be related with it, only option A seems to fit. Since the clerics carry orthodox beliefs, they would consider the idea of empowerment of women as something that would hurt religious feelings.

'Undermining' means 'weakening or sabotaging'. All the other options are irrelevant with respect to the given context.

Hence, option A is the correct answer.

190. Ans. C.

The word 'abscond' means 'escape into hiding; to leave quickly and hide to avoid punishment'.

The word 'absorb' means 'to take in or soak up a substance'.

The word 'absolve' means 'free from responsibility'. The drunk driver will logically try to free himself of the responsibility of the accident. Hence, absolve fits into the first statement.

Logically, ice will absorb the color of liquid, hence it fits into the second statement.

The greedy accountant was caught at the airport before an incident (represented by the latter half of the sentence) could take place which means he was trying to run away with the company's profits, hence abscond fits into the first statement.

This sequence is written in option C, hence the answer.

191. Ans. A.

The word 'accentuate' means 'to highlight'.

The word 'accelerate' means 'to increase'.

The word 'accent' means 'a distinctive pronunciation of language often associated with nationality or culture' or as a verb to emphasize a particular feature. In none of the statements is a feature being discussed, hence it should be used as a noun.

A noun is required only in the third statement, hence accent fits into the third statement. Hair growth needs to be enhanced or increased and not highlighted, hence accelerate fits into the second blank. Accentuate fits into the first blank. This sequence is given in option A.

Hence, option A is the correct answer.

192. Ans. B.

The word 'abyss' means 'an area that appears endless and immeasurable'.

The word 'abysmal' means 'very bad'.

The word 'abstruse' means 'difficult to understand'.

Statement ii talks about reform which is necessary only when the condition is bad. Hence, 'abysmal' fits into the second statement. 'Abyss' fits into the second statement well. The word 'too' denotes a negative context. 'Abstruse' fits into the third statement well. It means that some novels are difficult for the beginners to understand.

This sequence is present only in the second option. Thus, B is the correct answer.

193. Ans. E.

The word 'aggrieve' means 'to badly mistreat/make upset'.

The word 'aggravate' means 'to make worse, or more severe'.

The word 'aggregate' means 'to place into a category or cluster'.

Since the first blank is followed by 'me', 'aggregate' and 'aggravated' do not fit in.

Options A and E have 'aggrieve' as the first word. The second word should be in the past form to fit into the blank grammatically, hence option A can be eliminated.

Thus, option E is the correct answer.

194. Ans. E.

The word 'agog' means 'eagerly waiting for something'.

The word 'agonizing' means 'painful'.

The word 'agnostic' means 'unsure about the existence of a god or holy being'.

The first blank requires an adjective which describes 'her' with reference to the proposal. So "agog" fits here the best. Similarly, the second blank is followed by 'pain' which should be modified by a relevant adjective. "Agonizing" fits here the best. Thus, option E is correct.

195. Ans. A.

The first sentence means that Sourav Ganguly's performance has been so good that even in the difficult time when prices of things have increased drastically, governments are not doing their duty well and the crime rates have increased Indians still have a reason to be happy.

Sentence 2: 'Sombre' means the same as 'depressing' while 'docking' means 'reducing'. The given sentence conveys the same meaning as the first sentence but only differs in the rate of crime rates.

Sentence 3: 'Gloom' is related with 'depression and darkness'. 'Congenial' means 'pleasant or agreeable'. 'Dwindling' means 'reducing', 'docking' means 'reducing'.

The second statement means that Sourav



**FREE TEST**

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**ATTEMPT NOW**

Ganguly's performance has saddened Indians in the pleasant times of reducing prices, succeeding governments and decreasing crime rates.

This is the exact opposite of what is mentioned in statement 1

Sentence 4: It means that in the existing bad times Sourav Ganguly's performance has added to the grief of Indians.

Hence, the correct answer is option A

196. Ans. C.

The first sentence means that nature can neither be escaped nor changed. Moreover, nature is unconcerned about the comprehensibility of its not so visible activities to man.

Sentence 2: Doomed means inescapable. Steadfast means unchangeable. Intelligible is same as comprehension, unveiled is same as hidden and bustle is same as activities. Hence, this is similar in meaning to sentence 1

Sentence 3: Avertible means escapable, fickle means changeable. Jittery means apprehensive or concerned. Lucidity means clarity. The words make the sentence convey an exactly opposite meaning to that given in sentence 1

Sentence 4: The given sentence alters the subject and the object mentioned in any of the given sentences and conveys a different meaning altogether.

Hence, the correct answer is option C.

197. Ans. E.

The first sentence means that it is common to find aggressive bullying or intimidation every day in Indian and Chinese newspapers but the political leaders and diplomats talk to each other rarely. The second sentence differs only in the sense that it changes the meaning expressed in the latter part of

the first sentence and states that the leaders of both the countries enjoy the bullying published in the newspapers but it nowhere talks about communication among the leaders of both the countries.

The third sentence has a different context altogether.

The fourth sentence introduces the world's political leaders while the other statements talk about India and China only.

Hence, the correct answer is option E

198. Ans. B.

When an interrogative sentence has a not in it, the assertive sentence is a positive one. Hence, options C, D and E can be eliminated. Option A is not in the same tense, hence it can be eliminated as well.

Hence, option B is the correct answer.

199. Ans. A.

Assertive Sentence Structure: subject + auxiliary verb + not + ext.

Interrogative Sentence Structure: auxiliary verb + subject + ext?

Corresponding to this, only options A and C can fit in. However, option C changes the tense hence it can be eliminated.

Hence, option A is the correct answer.

200. Ans. C.

When an interrogative sentence has a not in it, the assertive sentence is a positive one. Hence, options D and E can be eliminated.

Options A and B are not in the same tense, hence they can be eliminated as well.

Hence, option C is the correct answer.

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**FREE TEST**

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**ATTEMPT NOW**