

# SBI CLERK ( ASSISTNAT ) ONLINE EXAM, 15-02-2015- PREVIOUS YEAR PAPER

## GENERAL AWARENESS

1. . 'Jim Corbett National Park' is the oldest National Park In India. It is situated in the Indian state of
- (1) Himachal Pradesh
  - (2) Uttar Pradesh
  - (3) Punjab
  - (4) Uttarakhand
  - (5) Arunachal Pradesh

Solution:4

2. An independent authority appointed by the RBI for resolution of complaints against deficiency in banking services is known as.....
- (1) Chief Manager complaints in each bank
  - (2) Chief vigilance officer
  - (3) no such authority appointed
  - (4) banking ombudsmen
  - (5) compliance officer

Solution:4

3. The capital of 'Kingdom of Denmark' is
- (1) Munich
  - (2) Prague
  - (3) Hamburg
  - (4) Heisenburg
  - (5) Copenhegan

Solution:5

4. In a bank's balance sheet which of the following is an asset ?
- (1) its paid up capital
  - (2) its saving deposits
  - (3) its investment in government securities
  - (4) its accumulated reserve funds

(5) its current deposits

Solution:3

5. The United Nations Children Funds (UNICEF) is a united nations program that provides humanitarian and development assistance to children and mothers in developing countries. Its headquarters in.....

- (1) Geneva, Switzerland
- (2) Paris, franca
- (3) Vienna, Austria
- (4) New York, USA
- (5) Rome, Italy

Solution:4

6. The book 'odyssey of my life' is the autobiography of.....

- (1) Shri Shiv Raj Patil
- (2) Shri R R Patil
- (3) Shri Sandeep Patil
- (4) Shrimati Smita Patil
- (5) Shri Pratibha Patil

Solution:1

7. Union HRD Minister Shrimati Smriti Irani laid the foundation stone of 'Indian Institute of Management' in the state of Andhra Pradesh. The Institute is being set up in

- (1) Tirupathi
- (2) Nellore
- (3) Vishakhapatnam
- (4) Guntur
- (5) Vijayawada

Solution:3

8. Space Probe Beagle 2 has been found on the surface of Mars, 11 years after it was thought that it was lost on

Mars. It was originally launched in 2003 by.....

- (1) Soviet space program
- (2) Israeli space agency
- (3) Japan aerospace exploration agency
- (4) China national space administration
- (5) European space agency

Solution:5

9. In order to raise awareness, conserve and use water resources in an integrated manpower, the Government of India observed “India Water Week” in the month of
- (1) Dec-14
  - (2) Feb-15
  - (3) Oct-14
  - (4) Jan-15
  - (5) Nov-14

Solution:4

10. The Men’s final of 10th Savio Cup All India Basketball Tournament has recently been won by
- (1) Oil and Natural Gas Commission (ONGC)
  - (2) Indian Overseas Bank
  - (3) Hindustan Petroleum Corporation Limited (HPCT)
  - (4) Indian Oil Corporation Limited (IOCL)
  - (5) State Bank of India (SBI)

Solution:1

11. Shri Deep kumar Upadhyay has recently been named as its ambaddasor to India by the Government of
- (1) Mauritius
  - (2) Nepal
  - (3) Bhutan
  - (4) Fiji Islands
  - (5) Maldives

Solution:2

12. The ‘Indian Army Day’ is observed every year on.....
- (1) 15th March
  - (2) 15th September
  - (3) 15th January
  - (4) 15th August
  - (5) 15th October

Solution:3

13. `Raksha Biu’ is the recently launched vaccine aimed at minimizing the economic loss of the animal farming community from the strains of the.....
- (1) ‘Foot and Mouth Virus’
  - (2) Bluetounge virus

- (3) Bird flu virus
- (4) Road Water disease
- (5) Swine flu virus

Solution:2

14. As per 2011 Census the child sex ratio in the (0-6) group stood at
- (1)969 female against 1000 male
  - (2)939 female against 1000 male
  - (3)919 female against 1000 male
  - (4) 959 female against 1000 male
  - (5)929 female against 1000 male

Solution:3

15. India's Indigenously developed nuclear capable sub-sonic cruise missile 'Nirbhay' can strike targets more than
- (1) 1000 Km away
  - (2) 3700 Km away
  - (3) 700 Km away
  - (4) 1700 Km away
  - (5) 2700 Km away

Solution:3

16. Which of the following countries is the world's largest producer of Gold?
- (1) Canada
  - (2) China
  - (3) Peru
  - (4) Australia
  - (5) Columbia

Solution:2

17. Who amongst the following has recently been appointed as the Chairperson of the Central board of Film Certification (CBFC) ?
- (1) Shri Pahlaj Nahlani
  - (2) Shri Aakash Nahlani
  - (3) Shrimati Shibha Nahlani
  - (4) Shri Govind Nahlani
  - (5) Shri Dayal Nahlani

Solution:1

18. Which of the following is not a primary function of a bank?

- (1) Accepting Deposit
- (2) Clearing of cheques
- (3) providing reference on financial standing on its customer
- (4) Financing of foreign trade
- (5) granting loans and advances

Solution:3

19. As per 2011 census the proportion of economically active population is the 15-50 in the total population was .....

- (1) 55.5 percent
- (2) 52.5 percent
- (3) 42.5 percent
- (4) 62.5 percent
- (5) 48.5 percent

Solution:4

20. Meteorological satellite 'engyon it off' has recently been launched by .....

- (1) Japan
- (2) China
- (3) Russia
- (4) France
- (5) Germany

Solution:2

21. Who amongst the following is the regulator in the financial system of the country ?

- (1) Other than those given as options
- (2) SEBI
- (3) CRISIL
- (4) TRAN
- (5) CERC

Solution:2

22. 'Shivalik Hills' is a mountain range of the outer Himalayas. The range is about 2400 km long passing through the Indian states of Arunachal Pradesh, West Bengal, Himachal Pradesh Uttarakhand and

- (1) Punjab
- (2) Uttar Pradesh
- (3) Haryana
- (4) Jammu & Kashmir
- (5) Rajasthan

Solution:4

23. The abbreviation `PLA' stands for
- (1) Private Liberation Army
  - (2) People's Liberation Armed Force
  - (3) Public Liberation Army
  - (4) People's Liberation Army
  - (5) People's Liberty Army

Solution:4

24. "SARFAESI Act 2001" is applicable in banking industry for
- (1) regulating the service conditions of employee
  - (2) appointment of nominee directors on the bank boards
  - (3) Other than those given as options
  - (4) streamlining documentation
  - (5) Facilitating Enforcement of security for recovery of bad loans

Solution:5

25. The RBI on January 15, 2015 has reduced 'REPO RATE' by how much percentage points?
- (1) 0.60
  - (2) 0.25
  - (3) 1.00
  - (4) 0.75
  - (5) 0.40

Solution:2

26. According to the scientists of NASA's Goddard Institute for Space studies in Manhattan the hottest year in Earth's recorded history since 1990 was
- (1) 2001
  - (2) 2014
  - (3) 1997
  - (4) 2005
  - (5) 2010

Solution:2

27. `Mohiniyattam' is a classical dance from the Indian state of .....
- (1) Assam
  - (2) Kerala
  - (3) Odisha

(4) Arunachal Pradesh

(5) Telangana

Solution:2

28. Who amongst the following won the noble peace prize for pioneering the concepts of micro credit and micro finance?

(1) Professor Mohammad Yunus

(2) Other than those given as options

(3) Professor Amartya sen

(4) Jean Tirole

(5) Professor Jagdish Bhagwati

Solution:1

29. 'Renimmibhi' is the currency of the .....

(1) People's Republic of China

(2) People's Republic of bulgaria

(3) People's Republic of Korea

(4) People's Republic of Ethiopia

(5) People's Republic of Bangladesh

Solution:1

30. Loans granted by a bank to an exporter popularly known as 'Export credit' is guaranteed, in case of default, by which of the following

(1) EXIM BANK

(2) MINISTRY OF INTERNAL TRADE, GOA

(3) ECGC

(4) DICGC

(5) Other than those given as options

Solution:3

31. 'Spartan' is the code-name for an upcoming web browser being developed by Microsoft to replace the existing user ?

(1) Safari

(2) Opera

(3) Internet explorer

(4) Firefox

(5) Chrome

Solution:3

32. Shri Manohar Gopalkrishna Prabhu Parikaris the Union Cabinet Minister for

- (1) Railways
- (2) Law and Justice
- (3) Mines and steel
- (4) Defence
- (5) Civil aviation

Solution:4

33. Which of the following forms of securing a loan is the safest one ?

- (1) Lien
- (2) Assignment
- (3) Pledge
- (4) Hypotheciation
- (5) Mortgage

Solution:5

34. The 'Asian News International' (ANI) is a news agency based in

- (1) Singapore
- (2) New Delhi, India
- (3) Rawalpindi, Pakistan
- (4) Tokyo, Japan
- (5) Beijing, China

Solution:2

35. With a view to encourage entrepreneurship among the schedule castes, 'a venture fund for the SCs' has recently been launched by \_\_\_\_

- (1) The state Government of Bihar
- (2) The state Government of Uttar Pradesh
- (3) The state Government of Rajasthan
- (4) The state Government of Maharashtra
- (5) The Government of India

Solution:5

36. The ratio of deposits to loans of a bank is known as

- (1) NPA Coverage Ratio
- (2) Return on asset ratio
- (3) Asset coverage ratio
- (4) CD ratio
- (5) Other than those given as options

Solution:5

37. The loan limit for affordable housing (Valuing upto Rs. 425 Lacs) in 6 Metropolitan centres specified by RBI in
- (1) Rs 70,00 Lacs
  - (2) Rs 40,00 Lacs
  - (3) Rs 50,00 Lacs
  - (4) Rs 20,00 Lacs
  - (5) Rs 30,00 Lacs

Solution:3

38. Which of the following is the negotiable instrument ?
- (1) Fixed deposit of a bank
  - (2) share certificate issued by a PSU
  - (3) demand draft issued by a bank
  - (4) debenture of a company
  - (5) airway receipt

Solution:3

39. Jimjang Deru' of Arunachal Pradesh has recently broken his own national record set by him last year in.....
- (1) Boxing
  - (2) Archery
  - (3) Wrestling
  - (4) Athletics
  - (5) Weight Lifting

Solution:5

40. Scientists at the Harvard Smithsonian centre for astrophysics (CIA) have recently found two most Earth like planets. The planets have been named by
- (1) Kinston 410b and Kinston 440b
  - (2) Kepler 438b and kepler 442b
  - (3) Kirakon 420b and kirakon 440b
  - (4) litmus 414b and litmus 441b
  - (5) lulin 410b and lulin 421b

Solution:2

# ENGLISH LANGUAGE

**Directions (1-5)** Each sentence given below has a blank indicating that something has been omitted. Choose the word that best suits the meaning of the sentence as a whole.

1. Ideally you should set aside funds to help you .....over situations such as a sudden medical emergency or unexpected expenses.
- (1) come
  - (2) turn
  - (3) reach
  - (4) pass
  - (5) tide

Solution:5

2. Organizations should implement some practices that the army follows ..... younger staff with important conclusions.
- (1) experiencing
  - (2) nominating
  - (3) responsible
  - (4) entrusting
  - (5) supportive

Solution:4

3. from teaching young students about entrepreneurship we also provide funds to start and sustain their business for the short time.
- (1) While
  - (2) Whether
  - (3) Apart
  - (4) Further
  - (5) Perhaps

Solution:3

4. Cost of fuel is the second most crucial..... in a person's decision to buy a car.
- (1) event
  - (2) advice
  - (3) factor
  - (4) opportunity
  - (5) aspects

Solution:3

5. The green revolution which was started in the 1960's helped to reduce food scarcity and improved the health of the economy.
- (1) still
  - (2) rapidly
  - (3) expected
  - (4) growing
  - (5) extremely

Solution:5

**Directions (6-10) :** In these questions, sentences with four **bold** words are given. One from four words given in the bold may be either wrongly spelt or inappropriate in the context of the sentence.

Find out the word which is wrongly spelt or inappropriate. If any, that word will be your answer. If all words given in the **bold** are correctly spelt and also appropriate in the context of the sentence then '**All Correct**' is your answer.

6. According to the **management** the bank is **likely** to **perform** better in the next **quarter**.
- (1) management
  - (2) likely
  - (3) perform
  - (4) quarter
  - (5) All correct

Solution:5

7. It is **difficult** to **gain access** to the hospital because there is no **permanent** road.
- (1) difficult
  - (2) gain
  - (3) access
  - (4) permanent
  - (5) All correct

Solution:4

8. One of the **most** important **tasks** of the **morden** government is to run an **efficient** welfare system.

- (1) most
- (2) tasks
- (3) morden
- (4) efficient
- (5) All correct

Solution:3

9. **Even experienced** bankers were **surprised** by RDF's decision to cut rates **prior** to the budget.

- (1) Even
- (2) experienced
- (3) surprised
- (4) prior
- (5) All correct

Solution:2

10. The new **generation** is confident, tech-savvy and is not **fearful** of **trying** new **things**.

- (1) generation
- (2) fearful
- (3) trying
- (4) things
- (5) All correct

Solution:2

**Directions (11-20) :** Read the following passage carefully and answer the given questions. Certain words/phrases have been given in **bold** to help you locate them while answering some of the questions.

A group of employees was working in a software company. It was a team of thirty employees. They were young, energetic and **dynamic** team with keen enthusiasm and a desire to learn and grow. The management decided to teach the employees how to find real solutions to problems. The team was called to play a game in banquet hall. The group was quite surprised that they were called to play a game. Everyone reached the venue with various thoughts on their minds. As they entered the hall, they found the hall decorated beautifully with colourful decorated papers and balloons all over the place. It was more like a children's party area than a corporate meeting hall. Everyone was surprised and gazed at each other. Also there was a huge box of balloons placed at the centre of the hall.

The team leader asked everyone to pick a balloon from the box and blow it up. Everyone picked up the balloon and blew it up. Then the team asked them to write names on their balloons carefully so that the balloons didn't burst. Everyone tried to write their names on their balloons, but not everyone was successful. A few balloons burst due to pressure and the people whose balloons were burst, were given another chance to pick a balloon. Those who failed to write their names even after the second chance were asked to leave the game.

After the second chance, Twenty five employees **qualified** for the next level. All the balloons were collected and then put into a room. The team leader asked the employees to go to the room and pick the same balloons that had his/her name on it. Also he told them that no balloon should burst and **warned** them to be very careful. All the employees reached the room, where the balloons carrying their names were thrown here and there. They were searching for their respective balloons. While they were in a rush to find the respective balloons, they tried not to burst the balloons. Fifteen minutes passed away and no one was able to find the balloons carrying their own name.

The team was told that the second level of the game-was over. Now was the time for third and final level. The employees were asked to pick any balloon in the room and give it to the person named on the balloon. Within a couple of minutes all balloons reached the hands of the respective employees and everyone reached the hall. The team leader then said. "This is called the new solution to a problem. Everyone is **frantically** hunting for solutions to problem without understanding the ideal way. Many times sharing and helping others gives you real solutions to all problems".

11. Which of the following cannot be said about the employees?
- (A) Atleast one employee found the balloon when they were asked to pick up a balloon with their name on it.
  - (B) They participated whole heartedly in the task
  - (C) They all failed to follow the instructions given by the team leader in the end.
- (1) Only (A)
  - (2) Only (A) and (B)
  - (3) All (A) (B) and (C)
  - (4) Only (B)
  - (5) Only (A) and (C)

Solution:1

12. Why was everyone surprised reaching on their corporate meeting hall ?
- (1) Their team leader was dressed as a kid
  - (2) Their seniors were missing from the hall
  - (3)The hall was equipped with the latest and high technological gadgets

(4) The hall was too small to accommodate all of them

(5) other than those given as options

Solution:5

13. Which of the following can be said about the management's idea of trying to teach their employees something ?

(A) The idea did not indeed teach anything for the people who did not finish the task

(B) The idea was ill received by all

(C) The idea was creative

(1) Only (A)

(2) Only (B) and (C)

(3) Only (C)

(4) All (A) (B) and (C)

(5) Only (A) and (B)

Solution:3

14. Which one of the following aspects come across very strongly in the story ?

(1) One should not worry about goals

(2) One should be honest and sincere regarding one's work

(3) One should be helpful towards others regardless what the end results in

(4) One should look beyond personal goals to achieve success in a task

(5) One should share one's problem with others to feel better

Solution:3

15. Choose the word which is most opposite in meaning to the word given in bold as used in the passage ?

**Qualified**

(1) illiterate

(2) ignorant

(3) failed

(4) pushed

(5) silly

Solution:3

16. Choose the word which is most similar in meaning to the word given in bold as used in the passage ?

**Warned**

(1) threatened

(2) cautioned

- (3) pressurized
- (4) intermediated
- (5) bullied

Solution:2

17. Choose the word which is most similar in meaning to the word given in bold as used in the passage ?

**Dynamic**

- (1) vibrant
- (2) colourful
- (3) explosive
- (4) different
- (5) noisy

Solution:1

18. Which of the following is true according to the story ?

- (1) The task was successful only after the employees were shown the right way to go about it
- (2) The only way to make a task successful is by helping others, otherwise the task fails
- (3) The employees who were asked to leave the game were disinterested in it
- (4) There were more than four levels in the task
- (5) All the given statements are true

Solution:1

19. Choose the word which is most opposite in meaning to the word given in bold as used in the passage ? **Frantically**

- (1) nervously
- (2) secretively
- (3) crazily
- (4) calmly
- (5) minutely

Solution:4

20. Which of the following can be the most appropriate title for the story ?

- (1) Sharing and caring
- (2) The game of balloons
- (3) The company with a team leader
- (4) A friend in need is a friend indeed
- (5) The twenty five employees

Solution:1

**Directions (21-25) :** Rearrange the given six sentences/ group of sentences (A) (B) (C) (D) (E) and (F) in a proper sequence so as to form a meaningful paragraph and then answer the given questions.

(A) Beena grew day by day and was charming and polite but as the goddess predicted she had to have a new outfit every day and for a while the king and queen were happy to let their heir way but soon realized that this had to stop.

(B) They longed for the child and prayed and prayed till finally one day their prayers were heard

but the goddess warned, you will soon have a little girl and though she will be a loving child, she will love new clothes too much and will be cursed if she covets, another's clothes.

(C) They tried to get her mend her ways but in vain and one day when Beena saw a beautiful girl simply dressed in a cotton sari and noticed how people were admiring the simply dressed girl she demanded the dress.

(D) The kingdom was at peace. subjects were happy and there was a bumper crop but the King and Queen were very sad.

(E) As foretold, Beena turned into an onion. A plant with many layers to symbolize the many dresses she had.

(F) The King and Queen were ready to accept this flow and when the Queen gave birth to a baby girl the entire kingdom rejoiced.

21. Which of the following should be the **FIFTH** sentence after the rearrangement ?

- (1) A
- (2) C
- (3) D
- (4) E
- (5) F

Solution:2

22. Which of the following should be the **SIXTH (last)** sentence after the rearrangement ?

- (1) A
- (2) B
- (3) C
- (4) D
- (5) E

Solution:5

23. Which of the following should be the **FIRST** sentence after the rearrangement ?
- (1) A
  - (2) B
  - (3) C
  - (4) D
  - (5) F

Solution:4

24. Which of the following should be the **SECOND** sentence after the rearrangement?
- (1) A
  - (2) B
  - (3) C
  - (4) D
  - (5) F

Solution:2

25. Which of the following should be the **THIRD** sentence after the rearrangement ?
- (1) A
  - (2) B
  - (3) D
  - (4) E
  - (5) F

Solution:5

**Directions (26-30) :** Read the sentence to find out whether there is any grammatical mistake/error in it. The error, if any, will be in one part of the sentence. The number of the part with the error is your answer. If there is no error then 'no error' is your answer. Ignore the errors of punctuations if any.

26. One night, freiddle the fox was (1)/prowling around (2)/ an actor's house when he (3)1 found an open window. (4)/ No error (5)

Solution:1

27. Millie was (1)/a mouse who had (2)/a cousin named Tora (3)/ living from the city. (4)/ No error (5)

Solution:4

28. In a jungle there lived (1)/a lion who felt ashamed (2)/of himself because (3)/he was scared on chickens. (4)/No error (5)

Solution:4

29. The big bad wolf gobbled (1)/ up the little lamb so fast (2)/ that a bone was stick (3)/in his throat. (4)/No error (5)

Solution:3

30. Hares are rather (1)/noise animals who (2)/love to bear (3)/themselves talking. (4)/No error (5)

Solution:2

**Direction (31-40) :** In the given passage there are blanks, each of which is numbered. Against each five words are suggested, one of which fits the blank appropriately. Find out the appropriate word in each case.

Once in a town of Shimpola, there lived a rich and cunning money lender called Vidushan. He (31) money to poor people and (32) them to give their land. The troubled people went to Subhadhar who (33) to visit their town soon. One morning, a jeweller visited Vidushan with some expensive looking jewellery. When Vidushan asked for its price, the jeweller said it was worth a handful grain. He also said if you are (34), to give me a grain, give me a thousand gold coins and return the poor people's land as well. Greedy Vidushan was very (35). He gave the jeweller a handful of grains. The jeweller (36) to take it and took him to court. A There per h  
re he the (38) judge, "My Lord, had asked him for a single grain that was the (37) of a full hand and he gave me a handful of eil he should pay me a thousand of gold coins and return the poor people's land to them."  
The Judge (39) and adjudged the case in his (40). The jeweller was actually Subhadhar and he had helped poor get their land back.

31. (1) lent  
(2) borrowed  
(3) grant  
(4) presented  
(5) showed

Solution:1

32. (1) empowered  
(2) forced

- (3) punished
- (4) prevent
- (5) destroy

Solution:2

33. (1) said  
(2) assuring  
(3) promise  
(4) guarantee  
(5) vouched

Solution:5

34. (1) not  
(2) powerless  
(3) unqualified  
(4) unable  
(5) there

Solution:4

35. (1) contents  
(2) delightful  
(3) blessed  
(4) happy  
(5) gladly

Solution:4

36. (1) accepted  
(2) denies  
(3) loved  
(4) wanted  
(5) refused

Solution:5

37. (1) lengthy  
(2) growth  
(3) extent  
(4) size  
(5) shapes

Solution:4

38. (1) conditions  
(2) demands  
(3) position  
(4) state  
(5) Will

Solution:1

39. (1) yes  
(2) agreed  
(3) supporting  
(4) chose  
(5) ordered

Solution:2

40. (1) honour  
(2) side  
(3) favour  
(4) worth  
(5) service

Solution:3



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# MARKETING AWARENESS AND COMPUTER KNOWLEDGE

1. ....connects the CPU to various internal components and to expansion cards for graphics and sound.

- (1) RAM
- (2) Internal buses
- (3) BIOS
- (4) Chip set
- (5) ROM

Solution:2

2. As per SEBI regulation every applicant shall pay a non-refundable application fee of Rs..... along with application for grant or renewal of certification of registration for investment advisors.

- (1) Rs. 2500
- (2) Rs. 15000
- (3) Rs. 7500
- (4) Rs. 5000
- (5) Rs. 10000

Solution:4

3. In order to grow task, if a company takes its existing product/service to new markets, it is said to be deploying .....

- (1) Market penetration strategy
- (2) Market development strategy
- (3) Product development strategy
- (4) All those given as options
- (5) Diversification strategy

Solution:5

4. ....are used to measure both computer memory (RAM) and storage capacity of Floppy disks, CD-ROM drives and Hard drives.

- (1) Bytes
- (2) Bites
- (3) Octal numbers
- (4) Hexadecimal numbers

(5) Binary numbers

Solution:1

5. Which of the following is not included in the four strategies to assign objective, strategy and budget to each SBU as per BCG growth share matrix ?

- (1) invest
- (2) divest
- (3) harvest
- (4) hold
- (5) bold

Solution:1

6. is not the stage of product life cycle in marketing ?

- (1) maturity
- (2) growth
- (3) introduction
- (4) decline
- (5) planning

Solution:5

7. The marketing concept for a cluster of complimentary products and services that are closely related in the minds of consumers but are spread across a diverse set of industries, is .....

- (1) Metamarket
- (2) Synchronized marketing
- (3) Vertical integration
- (4) Horizontal integration
- (5) Beta Market

Solution:1

8. ....includes boot firmware and power management.

- (1) CD-ROM
- (2) Internal buses
- (3) BIOS
- (4) Chip set
- (5) RAM

Solution:3

9. In case of open ended scheme, the mutual funds shall publish in a daily newspaper of all india circulation

atleast once in the sale and repurchase priceoff units

- (1) a week
- (2) three days
- (3) two days
- (4) a fortnight
- (5) a month

Solution:1

10. ....is not a basic element of marketing mix.

- (1) promotion
- (2) place
- (3) price
- (4) product
- (5) publication

Solution:5

11. What is an on-screen display listing of available options or functions on a computer ?

- (1) document
- (2) view
- (3) tool
- (4) format
- (5) menu

Solution:5

12. Which concept is practiced for the products that buyers normally do not think of buying, such as insurance ?

- (1) other than those given as options
- (2) trading concept
- (3) selling concept
- (4) product concept
- (5) production concept

Solution:3

13. Compact disk that can store approximately 650-800 MB of data or 74-80 minutes of music are.....

- (1) Zip disks
- (2) CD-ROM
- (3) Video cards
- (4) Pressing machines

(5) floppy diskettes

Solution:2

14. What do we call a network elements may be separated by some distance ? It usually involves two or more networks and dedicated high speed telephone lines

- (1) LAN
- (2) WAN
- (3) URL
- (4) Server
- (5) World wide web

Solution:2

15. Printing orientation that is wider that it is taller is

- (1) portrait concentration
- (2) icon
- (3) page set
- (4) landscape orientation
- (5) wide-angle

Solution:4

16. A collection of various programs that helps control your computer is called

- (1) System software
- (2) Application software
- (3) Microsoft Excel
- (4) Microsoft word
- (5) Microsoft outlook

Solution:2

17. Social marketing emerged during the year

- (1) 1982
- (2) 1972
- (3) 1961
- (4) Other than those given as options
- (5) 1951

Solution:2

18. Which of the following is a parameter for determining competitive position of company's products ?

- (1) Historical profit margins
- (2) Market growth rate

- (3) Market share rate
- (4) Overall market size
- (5) Number of brands in portfolio

Solution:3

19. .... is the standard input device of most computers.

- (1) scanner
- (2) joystick
- (3) speaker
- (4) microphone
- (5) keyboard

Solution:5

20. What is MS-Word ?

- (1) ifis a calculating tool
- (2) it is a planning tool
- (3) it is a chart
- (4) it is a networking tool
- (5) it is a document typing tool

Solution:5

21. ....is considered as debit market securities

- (1) fixed deposit of bank
- (2) certificate of deposit
- (3) shares stock
- (4) preference stock
- (5) mortagage loans

Solution:2

22. What is the temporary storage memory chips that form the computers primary work space?

The contents are lost if power is disrupted.

- (1) outputs
- (2) windows
- (3) ROM
- (4) hard drive memory
- (5) RAM

Solution:5

23. Computer software is .

- (1) used only for output
- (2) a computer peripheral
- (3) used for input
- (4) a set of instructions
- (5) used only in operating systems

Solution:4

24. Which of the following does not come under 'general insurance' ?

- (1) Marine insurance
- (2) Fire insurance
- (3) Life insurance
- (4) Fidelity insurance
- (5) Health insurance

Solution:3

25. What do we call for the arrangement when two or more computers physically connected by cables to share information or hardware ?

- (1) URL
- (2) Network
- (3) server
- (4) internet
- (5) modem

Solution:2

26. In growth-share matrix approach of boston consulting group are businesses with weak market share in low-growth market generating low profit.

- (1) Stars
- (2) other than those given as options
- (3) Dogs
- (4) Question marks
- (5) cash cows

Solution:3

27. A word or (words) used in computing in a search to match a desired topic is called

- (1) ID name
- (2) hint
- (3) password
- (4) user
- (5) keyword

Solution:5

28. What is a stored question about information in database ?

- (1) Query
- (2) sort
- (3) report
- (4) record
- (5) field

Solution:1

29. Merritt lynch uses a symbol of bull to imply strength and leadership. This is an example of in service marketing ?

- (1) Visualization
- (2) other than those given as options
- (3) association
- (4) documentation
- (5) physical representation

Solution:3

30. Which of the following is a tax saving mutual fund scheme ?

- (1) Gilt fund
- (2) ELSS
- (3) Debt funds
- (4) gold funds
- (5) balanced funds

Solution:2

31. Formatting a disk means —

- (1) programming the disk so data on it can't be erased
- (2) cleaning the disks from any dust contaminates
- (3) Installing an operating system on it
- (4) setting up sections on the disk to store the files in
- (5) installing files on it

Solution:4

32. Keyboard shortcut for CUT command is.....

- (1) Ctrl + W
- (2) Ctrl + Y
- (3) Ctrl + Z
- (4) Ctrl + X
- (5) Ctrl + V

Solution:4

33. The main circuit board in the computer that connects the parts of the computer is the\_\_\_\_\_
- (1) Mother board
  - (2) Father board
  - (3) Match board
  - (4) Hard Drive
  - (5) Special sound

Solution:1

34. Dividing the market into segments and charging the same price for every one in a segment is known as.....
- (1) steaming pricing
  - (2) cost based pricing
  - (3) personal pricing
  - (4) group pricing
  - (5) individual pricing

Solution:4

35. What is the name of the device that links your computer with other computers and information services through telephone lines ?
- (1) Modem
  - (2) LAN
  - (3) URL
  - (4) WAN
  - (5) Server

Solution:1

36. \_\_\_\_\_provides hard copy output on paper.
- (1) Mouse
  - (2) keyboard
  - (3) LCD monitor
  - (4) Scanner
  - (5) Printer

Solution:5

37. What is the validity period for the certificate of registration issued by SEBI for investment advisors for mutual funds ?
- (1) 4 years
  - (2) 5 years
  - (3) 3 years

(4) 2 years

(5) 1 year

Solution:2

38. ....concept holds that firms must strive to deliver value to customers in a way that maintains or improves both the consumers as well as society's well being.

(1) product

(2) societal networking

(3) selling

(4) marketing

(5) equity

Solution:2

39. The financial contracts whose value are obtained from the values of underlying assets are

(1) Bonds

(2) mortgages

(3) derivatives

(4) stocks

(5) commercial papers

Solution:3

40. When backed by an ability to pay, want for specific product becomes.....

(1) need

(2) satisfaction

(3) other than those given as options

(4) demand

(5) esteem

Solution:4

## QUANTITATIVE APTITUDE

1. . If one—third of one-seventh of a number is 15, then two-fifth of that number is
- (1) 158
  - (2) 165
  - (3) 142
  - (4) 136
  - (5) 126

Solution:5

(5) Let the number be  $x$ .

According to the question,

$$\frac{1}{3} \times \frac{1}{7} \times x = 15$$

$$\Rightarrow x = 3 \times 7 \times 15 = 315$$

$$\therefore \frac{2}{5} \text{ of } 315 = \frac{315 \times 2}{5} = 126$$

2. The simple interest obtained when a sum of money is invested for 4 years at 18% per annum is Rs. 427 more than the simple interest obtained if the same sum of money is invested for 2 years at 22% per annum What is the amount obtained when the same sum of money is invested for 4 years at 18% per annum ?
- (1) Rs. 2,130
  - (2) Rs. 2,623
  - (3) Rs. 1,096
  - (4) Rs. 1,854
  - (5) None of these

Solution:2

(2) Let the principal be Rs.  $x$ .

$$\text{S.I.} = \frac{\text{Principal} \times \text{Time} \times \text{Rate}}{100}$$

$\therefore$  According to the question,

$$\frac{x \times 4 \times 18}{100} - \frac{x \times 2 \times 22}{100} = 427$$

$$\Rightarrow \frac{72x}{100} - \frac{44x}{100} = 427$$

$$\Rightarrow \frac{28x}{100} = 427$$

$$\Rightarrow 28x = 42700$$

$$\Rightarrow x = \frac{42700}{28} = \text{Rs. } 1525$$

S.I. for 4 years

$$= \frac{1525 \times 4 \times 18}{100} = \text{Rs. } 1098$$

$\therefore$  Required amount

$$= \text{Rs. } (1525 + 1098)$$

$$= \text{Rs. } 2623$$

3. Train A, whose length is 328 metre can cross a 354 metre long platform in 11 seconds. Train B can cross the same platform in 12 seconds. If the speed of train—B is  $\frac{7}{8}$ th of the speed of train—A, what is the length of train—B ? (in m)

(1) 321

(2) 303

(3) 297

(4) 273

(5) 309

Solution:3

(3) Speed of train-A

Length of train A and platform

Time taken in crossing

$$= \left( \frac{328 + 354}{11} \right) \text{ m/sec}$$

$$= \left( \frac{682}{11} \right) \text{ m/sec} = 62 \text{ m/sec}$$

$$\therefore \text{Speed of train-B} = \frac{7}{8} \times 62$$

$$= \left( \frac{217}{4} \right) \text{ m/sec.}$$

If the length of train-B be  $x$  metre, then

$$\frac{217}{4} = \frac{x + 354}{12}$$

$$\Rightarrow 217 = \frac{x + 354}{3}$$

$$\Rightarrow x + 354 = 217 \times 3 = 651$$

$$\Rightarrow x = 651 - 354 = 297 \text{ metre}$$

4. The ratio of number of males and number of females in village X is 11:7 respectively. If in village Y, the number of males is 20% more than the number of males in village X and the number of females is 12% less than those in village X, then what will be the respective ratio of males to females in village Y ?

(1) 15 : 11

(2) 17 : 5

(3) 17 : 11

(4) 23 : 9

(5) 15 : 7

Solution:5

(5) In village X,

Males =  $11x$

Females =  $7x$

In village Y,

$$\text{Males} = \frac{11x \times 120}{100}$$

$$\text{Females} = \frac{7x \times 88}{100}$$

∴ Required ratio

$$= \left( \frac{11x \times 120}{100} \right) : \left( \frac{7x \times 88}{100} \right)$$

$$= 15 : 7$$

5. The areas of two circular fields are in the ratio of 25 : 64 respectively. If the radius of the latter is 16 metre then what is the radius of the former ? (in metre)

(1) 14

(2) 10

(3) 6

(4) 18

(5) 8

Solution:2

(2) Radius of first circular field

=  $r$  metre (let)

According to the question,

$$\frac{\pi r^2}{\pi \times 16 \times 16} = \frac{25}{64} \Rightarrow \frac{r^2}{16} = \frac{25}{4}$$

$$\Rightarrow r^2 = \frac{25 \times 16}{4} = 100$$

$$\Rightarrow r = \sqrt{100} = 10 \text{ metre}$$

6. 16 times X is equal to 5 times Y. If 8 is subtracted from Y it is 10 more than two times X. What is the sum of X and Y ?

(1) 78

(2) 39

(3) 48

(4) 92

(5) 63

Solution:5

(5) According to the question,  
 $16X = 5Y$  --- (1)  
 $Y - 8 = 2X + 10$   
 $\Rightarrow Y - 2X = 18$   
 $\Rightarrow \frac{16X}{5} - 2X = 18$   
 $\Rightarrow 16X - 10X = 90$   
 $\Rightarrow 6X = 90 \Rightarrow X = \frac{90}{6} = 15$   
 $\therefore 16X = 5Y$   
 $\Rightarrow 16 \times 15 = 5Y$   
 $\Rightarrow Y = \frac{16 \times 15}{5} = 48$   
 $\therefore X + Y = 15 + 48 = 63$

**Directions (7 – 11) :** Study the following table carefully and answer the given

Number of pages printed by 5 printers in 5 days					
Day	Printers				
	M	N	O	P	Q
Monday	196	145	254	169	291
Tuesday	125	172	233	141	297
Wednesday	167	189	243	223	189
Thursday	219	233	158	256	284
Friday	240	289	153	251	271

questions:

7. If the total number of pages printed by all the given printers together on Saturday was 18% more than the total number of pages printed by all the given printers together on Thursday, what was the total number of pages printed by all the given printers together on Saturday ?
- (1) 1379
  - (2) 1299
  - (3) 1357
  - (4) 1289
  - (5) 1331

Solution:3

(3) Total number of pages printed by all printers on Thursday =  $219 + 233 + 158 + 256 + 284 = 1150$

$\therefore$  Required number of pages printed on Saturday

$$= \frac{1150 \times 118}{100} = 1357$$

8. What is the respective ratio between total number of pages printed by printer O on Tuesday and Wednesday together and total number of pages printed by printer Q on Monday and Tuesday together ?

(1) 17 : 21

(2) 17 : 19

(3) 19 : 21

(4) 17 : 23

(5) 19 : 23

Solution:1

(1) Required ratio

$$= (233 + 243) : (291 + 297)$$

$$= 476 : 588$$

$$= 17 : 21$$

9. What is the sum of 58% of the total number of pages printed by printers M and O together on Monday and 65% of the total number of pages printed by printers N and Q together on Friday ?

(1) 610

(2) 655

(3) 575

(4) 625

(5) 640

Solution:4

(4) Number of pages printed by printers M and O on Monday

$$= 196 + 254 = 450$$

Number of pages printed by printers N and Q on Friday

$$= 289 + 271 = 560$$

∴ Required sum

$$= \frac{58 \times 450}{100} + \frac{560 \times 65}{100}$$

$$= 261 + 364 = 625$$

10. Number of pages printed by printer N on Tuesday is what percent of the number of pages printed by printer M on Friday ?

(1)  $71\frac{2}{3}$

(2)  $69\frac{2}{3}$

(3)  $74\frac{1}{3}$

(4)  $65\frac{1}{3}$

(5)  $77\frac{2}{3}$

Solution:1

(1) Required per cent

$$= \frac{172}{100} \times 100 = \frac{215}{3} = 71\frac{2}{3}$$

11. What is the average number of pages printed by printer P during all the given days together?

(1) 214

(2) 204

(3) 208

(4) 218

(5) 198

Solution:2

(2) Required average

$$\begin{aligned} &= \frac{169 + 141 + 223 + 256 + 251}{5} \\ &= \frac{1040}{5} = 208 \end{aligned}$$

12. Glenn labelled the price of an article in such a way so as to earn 25% profit. However, while selling he offered 6% discount on the labelled price. If he sold it for Rs. 10,340, what was the cost price of the article ?

- (1) Rs. 9,200
- (2) Rs. 8,000
- (3) Rs. 8,800
- (4) Rs. 8,600
- (5) Rs. 8,400

Solution:3

(3) C.P. of article = Rs.  $x$  (let)

$$\therefore \text{Marked price} = \frac{125x}{100}$$

$$= \text{Rs. } \frac{5x}{4}$$

According to the question,

$$\frac{5x}{4} \times \frac{94}{100} = 10340$$

$$\Rightarrow 5x \times 94 = 10340 \times 400$$

$$\Rightarrow x = \frac{10340 \times 400}{5 \times 94} = \text{Rs. } 8800$$

13. In what ratio Martina should mix two varieties of juice worth Rs. 52 per litre and Rs. 74 per litre so that by selling the mixture at the rate of Rs. 71.28 per litre she can earn a profit of 8% ?

- (1) 6 : 7
- (2) 3 : 7
- (3) 5 : 8
- (4) 4 : 7
- (5) 3 : 8

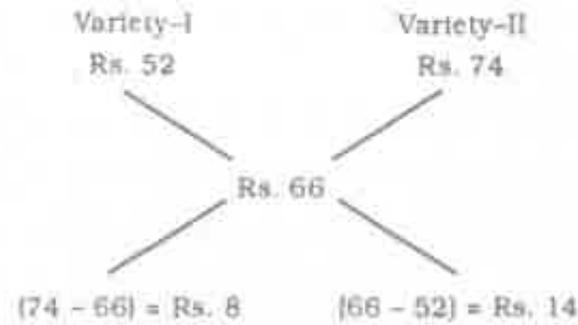
Solution:4

(4) C.P. of mixture

$$= \frac{100}{108} \times 71.28$$

$$= \text{Rs. } 66/\text{litre}$$

By rule of alligation,



$$\therefore \text{Required ratio} = 8 : 14$$

$$= 4 : 7$$

14. The difference between length and breadth of a rectangle is 17m and the perimeter is 106m. Find the area of rectangle ? (in m<sup>2</sup>)

- (1) 716
- (2) 660
- (3) 630
- (4) 740
- (5) 524

Solution:

(3) Breadth of rectangle

= x metre (let)

$\therefore$  Length = (x + 17) metre

According to the question,

$$2(x + 17 + x) = 106$$

$$\Rightarrow 2x + 17 = \frac{106}{2} = 53$$

$$\Rightarrow 2x = 53 - 17 = 36$$

$$\therefore x = \frac{36}{2} = 18 \text{ metre} = \text{Breadth}$$

$\therefore$  Length = 18 + 17

$$= 35 \text{ metre}$$

$\therefore$  Area of rectangle

$$= 35 \times 18 = 630 \text{ sq. metre}$$

15. Present ages of three persons A, B, C are in the ratio of 6:7:9 respectively. After 5

years, sum of their ages will be 81 years. Find the present age of B ? (in years)

- (1) 21
- (2) 28
- (3) 35
- (4) 14
- (5) 42

Solution:1

(1) Let respective present ages of A, B and C be  $6x$ ,  $7x$  and  $9x$  years.

According to the question,

After 5 years,

$$6x + 7x + 9x + 15 = 81$$

$$\Rightarrow 22x = 81 - 15 = 66$$

$$\Rightarrow x = \frac{66}{22} = 3$$

$$\therefore \text{B's present age} = 7x = 7 \times 3 \\ = 21 \text{ years}$$

16. Two pipes can fill a tank in 10 hours and 16 hours respectively. A third pipe can empty the tank in 40 hours. If all the three pipes are opened and they function simultaneously then in how much time the tank will be full ? (in hours)

- (1)  $6\frac{1}{11}$
- (2)  $9\frac{9}{11}$
- (3)  $8\frac{9}{11}$
- (4)  $7\frac{3}{11}$
- (5)  $8\frac{5}{11}$

Solution:4

(4) On opening the three pipes simultaneously,

Part of tank filled in 1 hour

$$= \frac{1}{10} + \frac{1}{16} - \frac{1}{40}$$

$$= \frac{8+5-2}{80} = \frac{11}{80}$$

$$\therefore \text{Required time} = \frac{80}{11}$$

$$= 7\frac{3}{11} \text{ hours}$$

17. The average monthly income of A and B is Rs. 7,760. The average monthly income of B and C is Rs. 10,990 and that of C and A is Rs. 9,070. What is the annual income of B ?

- (1) Rs. 1,20,240
- (2) Rs. 1,24,480
- (3) Rs. 1,12,360
- (4) Rs. 1,28,120
- (5) Rs. 1,16,160

Solution:

$$(5) (A + B)\text{'s monthly income} \\ = 7760 \times 2 = \text{Rs. } 15520$$

$$(B + C)\text{'s monthly income} \\ = 2 \times 10990 = \text{Rs. } 21980$$

$$(C + A)\text{'s monthly income} \\ = 2 \times 9070 = \text{Rs. } 18140$$

On adding all three,

$$2(A + B + C)\text{'s monthly income} \\ = \text{Rs. } (15520 + 21980 + 18140) \\ = \text{Rs. } 55640$$

$\therefore (A + B + C)\text{'s monthly income}$

$$= \frac{55640}{2} = \text{Rs. } 27820$$

$\therefore$  B's monthly income

$$= \text{Rs. } (27820 - 18140)$$

$$= \text{Rs. } 9680$$

$\therefore$  B's annual income

$$= \text{Rs. } (12 \times 9680)$$

$$= \text{Rs. } 116160$$

18. Scheme A offers compound interest (compounded annually) at a certain rate of interest (p.c.p.a.). When a sum was invested in the scheme it amounted to Rs. 14,112 after 2 years and Rs. 16,934.40 after 3 years. What was the sum of money invested ?
- (1) Rs. 9000
  - (2) Rs. 10,200
  - (3) Rs. 8,800
  - (4) Rs. 9,400
  - (5) Rs. 9,800

Solution:5

(5) Let the principal be Rs. P.

$$\therefore A = P \left(1 + \frac{R}{100}\right)^T$$

According to the question,

$$14112 = P \left(1 + \frac{R}{100}\right)^2 \quad \text{(i)}$$

$$16934.40 = P \left(1 + \frac{R}{100}\right)^3 \quad \text{(ii)}$$

On dividing equation (ii) by (i),

$$\frac{16934.40}{14112} = 1 + \frac{R}{100}$$

$$\Rightarrow 1 + \frac{R}{100} = 1.2$$

From equation (i),

$$14112 = P (1.2)^2$$

$$\Rightarrow P = \frac{14112}{1.2 \times 1.2} = \text{Rs. } 9800$$

19. Mr. Sharma distributed an amount of money among his wife, one son and one daughter and kept some money for himself. 12% of the total amount he gave to his wife and kept 22% for himself. Out of the remaining amount, he gave to his son and daughter in the ratio of 7:8 respectively. If the daughter got Rs. 3,806 more than the son, what was the total amount that Mr. Sharma had ?
- (1) Rs. 60,000
  - (2) Rs. 78,650
  - (3) Rs. 86,500

(4) Rs. 80,500

(5) Rs. 72,400

Solution:3

(3) Initial amount with Mr. Sharma = Rs.  $x$  (let)

Amount received by Mr. Sharma and wife in percent = 34%

Remaining amount

$$= x \times (100 - 34)\%$$

$$= \text{Rs. } \frac{66x}{100} = \text{Rs. } \frac{33x}{50}$$

According to the question,

$$\frac{8 \times 33x}{15 \times 50} - \frac{7 \times 33x}{15 \times 50} = 3806$$

$$\Rightarrow \frac{33x}{15 \times 50} = 3806$$

$$\Rightarrow 33x = 3806 \times 15 \times 50$$

$$\Rightarrow x = \frac{3806 \times 15 \times 50}{33}$$

$$= \text{Rs. } 86500$$

**Directions (20 – 34) :** What will come in place of the question mark (?) in the given questions?

20.  $\frac{(415 + 223)^2 + (415 - 223)^2}{(415 \times 415 + 223 \times 223)} = ?$

(1) 2

(2) 5

(3) 3

(4) 6

(5) 4

Solution:1

(1) Let,  $415 = a$

and  $223 = b$

$$\therefore ? = \frac{(a + b)^2 + (a - b)^2}{a^2 + b^2}$$

$$= \frac{2(a^2 + b^2)}{a^2 + b^2} = 2$$

21.

$$\frac{(349 + 503)}{35.5} + 428 = \frac{?}{9}$$

- (1) 4068
- (2) 3870
- (3) 4203
- (4) 4158
- (5) 4122

Solution:1

$$(1) \frac{349 + 503}{35.5} + 428 = \frac{?}{9}$$

$$\Rightarrow \frac{852}{35.5} + 428 = \frac{?}{9}$$

$$\Rightarrow 24 + 428 = \frac{?}{9}$$

$$\Rightarrow 452 = \frac{?}{9}$$

$$\Rightarrow ? = 452 \times 9 = 4068$$

22.

$$\left(86 - \frac{742}{53}\right) \div 2 = ?^2$$

- (1) 3
- (2) 4
- (3) 6
- (4) 9
- (5) 2

Solution:3

$$(3) ?^2 = \left(86 - \frac{742}{53}\right) \div 2$$

$$= (86 - 14) \div 2 = 72 \div 2 = 36$$

$$\therefore ? = \sqrt{36} = 6$$

23.

$$\frac{[1496 - 392]}{23} \times 15 = 213 + ?$$

- (1) 477
- (2) 437
- (3) ---

(4) 507

(5) 517

Solution:4

$$(4) \left( \frac{1496 - 392}{23} \right) \times 15 = 213 + ?$$

$$\Rightarrow \frac{1104}{23} \times 15 = 213 + ?$$

$$\Rightarrow 48 \times 15 = 213 + ?$$

$$\Rightarrow 720 = 213 + ?$$

$$\Rightarrow ? = 720 - 213 = 507$$

24.  $9^2 \times \sqrt[3]{(1296)} - 254$

$$= (? \times 9 + 124)$$

(1) 14

(2) 9

(3) 6

(4) 12

(5) 20

Solution:4

$$(4) 9^2 \times \sqrt[3]{1296} - 254$$

$$= ? \times 9 + 124$$

$$\Rightarrow 81 \times 6 - 254 = ? \times 9 + 124$$

$$\Rightarrow 486 - 254 = ? \times 9 + 124$$

$$\Rightarrow 232 = ? \times 9 + 124$$

$$\Rightarrow ? \times 9 = 232 - 124 = 108$$

$$\Rightarrow ? = \frac{108}{9} = 12$$

25.  $5136 \div (523 + 333) \text{ of } \frac{3}{4} + 459$

$$= ?$$

(1) 520

(2) 541

(3) 513

(4) 493

(5) 467

Solution:5

$$(5) ? = 5136 \div (523 + 333) \text{ of}$$

$$\frac{3}{4} + 459$$

$$= 5136 \div \left( 856 \times \frac{3}{4} \right) + 459$$

$$= 5136 \div 642 + 459$$

$$= 8 + 459 = 467$$

26.  $64^2 - 36^2 = ? \times 25$

(1) 118

(2) 212

(3) 112

(4) 134

(5) 106

Solution:3

$$(3) (64 + 36) (64 - 36) = ? \times 25$$

$$\Rightarrow 100 \times 28 = ? \times 25$$

$$\Rightarrow ? = \frac{100 \times 28}{25} = 112$$

27.

$$\frac{2}{3} - \frac{5}{7} \text{ of } \frac{21}{23} \text{ of } \frac{46}{51}$$

$$= ? \text{ of } \frac{8}{85}$$

(1)  $\frac{1}{6}$

(2)  $\frac{5}{6}$

(3)  $\frac{5}{7}$

(4)  $\frac{2}{17}$

(5)  $\frac{1}{3}$

Solution:2

$$\begin{aligned}
 (2) \quad & \frac{2}{3} - \frac{5}{7} \times \frac{21}{23} \times \frac{46}{51} \\
 & = ? \times \frac{8}{85} \\
 \Rightarrow & \frac{2}{3} - \frac{10}{17} = ? \times \frac{8}{85} \\
 \Rightarrow & \frac{34 - 30}{51} = ? \times \frac{8}{85} \\
 \Rightarrow & \frac{4}{51} = ? \times \frac{8}{85} \\
 \therefore ? & = \frac{4}{51} \times \frac{85}{8} = \frac{5}{6}
 \end{aligned}$$

28.  $4^3 \times 2^6 \times 8^{\frac{2}{3}} = 2^?$
- (1) 10
  - (2) 16
  - (3) 14
  - (4) 8
  - (5) 12

Solution:3

$$\begin{aligned}
 (3) \quad & 4^3 \times 2^6 \times 8^{\frac{2}{3}} = 2^? \\
 \Rightarrow & (2^2)^3 \times 2^6 \times (2^3)^{\frac{2}{3}} = 2^? \\
 \Rightarrow & 2^6 \times 2^6 \times 2^2 = 2^? \\
 \Rightarrow & 2^{6+6+2} = 2^? \\
 \Rightarrow & 2^{14} = 2^? \Rightarrow ? = 14
 \end{aligned}$$

29.  $\frac{\sqrt{(180)} \times \sqrt{(18)} \times \sqrt{(5)} \times \sqrt{(3)}}{\sqrt{(96)} \times 5} = ?$
- (1)  $5\frac{1}{2}$
  - (2)  $2\frac{3}{4}$
  - (3)  $1\frac{1}{2}$
  - (4)  $4\frac{1}{2}$
  - (5)  $5\frac{2}{3}$

Solution:4

$$\begin{aligned}(4) ? &= \frac{\sqrt{180 \times 18 \times 5 \times 3}}{\sqrt{96} \times 5} \\ &= \frac{18 \times 5 \times \sqrt{6}}{\sqrt{96} \times 5} = \frac{18}{\sqrt{16}} = \frac{18}{4} \\ &= \frac{9}{2} = 4 \frac{1}{2}\end{aligned}$$

30.  $\frac{2560}{32} + \frac{23}{45}$  of 855 =  $\frac{7}{11}$  of ?  
+ 391
- (1) 297  
(2) 198  
(3) 132  
(4) 176  
(5) 275

Solution:2

$$\begin{aligned}(2) \frac{2560}{32} + \frac{23}{45} \times 855 &= \frac{7 \times ?}{11} + 391 \\ &= \frac{7 \times ?}{11} + 391 \\ \Rightarrow 80 + 437 &= \frac{7 \times ?}{11} + 391 \\ \Rightarrow 517 - 391 &= \frac{7 \times ?}{11} \\ \Rightarrow 126 &= \frac{7 \times ?}{11} \\ \Rightarrow ? &= \frac{126 \times 11}{7} = 198\end{aligned}$$

31.  $\frac{156.25}{125} \times \frac{1000}{2500} = \frac{?}{28}$
- (1) 147  
(2) 140  
(3) 112  
(4) 168  
(5) 196

Solution:2

$$(2) \frac{156.25}{12.5} \times \frac{1000}{2500} = \frac{?}{28}$$

$$\Rightarrow 5 = \frac{?}{28} \Rightarrow ? = 5 \times 28 = 140$$

32.

$$\sqrt{\left(337 + \sqrt{561 + \sqrt{225}}\right)} + ? =$$

$$\frac{576}{8}$$

(1) 51

(2) 59

(3) 53

(4) 42

(5) 45

Solution:3

$$(3) \left( \sqrt{337 + \sqrt{561 + \sqrt{225}}} \right) + ? =$$

$$= \frac{576}{8}$$

$$\Rightarrow \left( \sqrt{337 + \sqrt{561 + 15}} \right) + ? =$$

$$72$$

$$\Rightarrow \sqrt{337 + \sqrt{576}} + ? = 72$$

$$\Rightarrow \sqrt{337 + 24} + ? = 72$$

$$\Rightarrow \sqrt{361} + ? = 72$$

$$\Rightarrow 19 + ? = 72$$

$$\Rightarrow ? = 72 - 19 = 53$$

33.  $18^2 - \sqrt{(1764)} \times \frac{\sqrt{(625)}}{21} = ?$

(1) 129

(2) 139

(3) 121

(4) 153

(5) 119

[/toggle] Solution:5

(5)

$$? = 13^3 - \sqrt{1764} \times \sqrt{625} \div 21$$

$$= 169 - 42 \times 25 \times \frac{1}{21}$$

$$= 169 - 50 = 119$$

[/toggle]

34.  $150\%$  of  $240 + 125\%$  of  $1684 = [? - 345] \times 493$

(1) 350

(2) 450

(3) 370

(4) 368

(5) 410

Solution:1

$$(1) \frac{150 \times 240}{100} + \frac{125 \times 1684}{100}$$

$$= (? - 345) \times 493$$

$$\Rightarrow 360 + 2105 = (? - 345) \times 493$$

$$\Rightarrow \frac{2465}{493} = ? - 345$$

$$\Rightarrow 5 = ? - 345$$

$$\Rightarrow ? = 345 + 5 = 350$$

**Directions (35 -39) :** What will come in place of the question mark (?) in the following number series ?

35. 319 320 347 472 815 ?

(1) 1322

(2) 1265

(3) 1435

(4) 1148

(5) 1544

Solution:5

(5) The pattern is :

$$319 + 1^3 = 319 + 1 = 320$$

$$320 + 3^3 = 320 + 27 = 347$$

$$347 + 5^3 = 347 + 125 = 472$$

$$472 + 7^3 = 472 + 343 = 815$$

$$815 + 9^3 = 815 + 729 = \boxed{1544}$$

36. 12 6.5 7.5 12.75 27.5 ?

- (1) 65.5
- (2) 58.25
- (3) 71.25
- (4) 55.75
- (5) 52

Solution:3

(3) The pattern is :

$$12 \times 0.5 + 0.5 = 6 + 0.5 = 6.5$$

$$6.5 \times 1 + 1 = 6.5 + 1 = 7.5$$

$$7.5 \times 1.5 + 1.5 = 11.25 + 1.5$$

$$= 12.75$$

$$12.75 \times 2 + 2 = 25.5 + 2 = 27.5$$

$$27.5 \times 2.5 + 2.5 = 68.75 + 2.5$$

$$= \boxed{71.25}$$

37. 5 6 14 45 ? 925

- (1) 138
- (2) 184
- (3) 172
- (4) 98
- (5) 154

Solution:2

(2) The pattern is :

$$5 \times 1 + 1 = 5 + 1 = 6$$

$$6 \times 2 + 2 = 12 + 2 = 14$$

$$14 \times 3 + 3 = 42 + 3 = 45$$

$$45 \times 4 + 4 = 180 + 4 = \boxed{184}$$

$$184 \times 5 + 5 = 920 + 5 = 925$$

38. 112 117 127 142 162

- (1) 214
- (2) 187
- (3) 194
- (4) 182
- (5) 205

[/toggle] Solution:2

(2) The pattern is :

$$112 + 1 \times 5 = 112 + 5 = 117$$

$$117 + 2 \times 5 = 117 + 10 = 127$$

$$127 + 3 \times 5 = 127 + 15 = 142$$

$$142 + 4 \times 5 = 142 + 20 = 162$$

$$162 + 5 \times 5 = 162 + 25 = \boxed{187}$$

[\[/toggle\]](#)

39. 4 7 20 79 ? 2363

(1) 234

(2) 148

(3) 296

(4) 482

(5) 394

Solution:5

(5) The pattern is :

$$4 \times 2 - 1 = 8 - 1 = 7$$

$$7 \times 3 - 1 = 21 - 1 = 20$$

$$20 \times 4 - 1 = 80 - 1 = 79$$

$$79 \times 5 - 1 = 395 - 1 = \boxed{394}$$

$$394 \times 6 - 1 = 2364 - 1 = 2363$$

40. A, B and C started a business together. The respective ratio of investments of A and B was 3 : 5 and the respective ratio of investments of B and C was 10 : 13. If at the end of the year C received Rs. 5,876 as his share of annual profit, what was the total annual profit earned by all of them together ?

(1) Rs. 13,108

(2) Rs. 12,756

(3) Rs. 13,224

(4) Rs. 12,984

(5) Rs. 12,188

Solution:1

(1) Ratio of investments of A and B

$$= 3 : 5 = 6 : 10$$

Ratio of investments of B and C

$$= 10 : 13$$

∴ Ratio of investments of A, B and C

$$= 6 : 10 : 13$$

Let the total annual profit be Rs.  $x$ .

∴ According to the question,

$$\frac{13 \times x}{6 + 10 + 13} = 5876$$

$$\Rightarrow \frac{13x}{29} = 5876$$

$$\Rightarrow x = \frac{5876 \times 29}{13} = \text{Rs. } 13108$$



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# REASONING

**Directions (1 – 5):** Study the following information carefully and answer the questions given below:

In a certain code language “dress code for meeting” is written as ‘dk pd jn td’

“wear black formal dress” is written as `pd ro hi te’

“formal meeting this weekend” is written as `yi te dk yr’

“black code this weekend” is written as ‘Jn vr Id yi’

(All the codes are two letter codes)

1. In the given code language what does ‘te’ stands for ?

- (1) this
- (2) formal
- (3) dress
- (4) black
- (5) meeting

Solution: 2

2. In the given code language what is the code for ‘dress’?

- (1) jn
- (2) ro
- (3) pd
- (4) td
- (5) Id

Solution: 3

3. What does ‘ld’ stand for in the given code language?

- (1) meeting
- (2) weekend
- (3) formal
- (4) for
- (5) Other than those given as options

Solution: 5

4. Which of the following possibly means 'security code' in the given code language ?
- (1) ux yr
  - (2) vr tc
  - (3) pd ux
  - (4) jn ux
  - (5) jn pd

Solution:4

5. What is the code for 'weekend' in the given code language ?
- (1) either yi or vr
  - (2) dk
  - (3) te
  - (4) jn
  - (5) Id

Solution:1

**Directions (6 – 10) :** In each of the following questions, two statements followed by two conclusions numbered I and II have been given. You have to take the two given statements to be true even if they seem to be at variance from commonly known facts and then decide which of the given conclusions logically follow from the given statements disregarding commonly known facts.

6. **Statements :** All drums are flutes. All guitars are drums.

**Conclusions :**

I. All guitars are flutes.

II. All drums are guitars.

- (1) Both Conclusions I and II follow
- (2) Only Conclusion I follows
- (3) Neither Conclusion I nor II follows
- (4) Only Conclusion II follows
- (5) Either Conclusion I or II follows

Solution:2

7. **Statements :** Some speakers are guests. No guest is a dignitary.

**Conclusion :**

I. No dignitary is a speaker.

II Some guests are definitely not speakers.

- (1) Only Conclusion II follows
- (2) Both Conclusions I and II follow
- (3) Either Conclusion I or II follows
- (4) Neither Conclusion I nor II follows
- (5) Only Conclusion I follows

Solution:4

8. **Statements :** All spades are tools. No spade is a vessel.

**Conclusions :**

I. Atleast some spades are vessels.

II. No spade is a vessel.

- (1) Either Conclusion I or II follows
- (2) Neither Conclusion I nor H follows
- (3) Only Conclusion II follows
- (4) Both Conclusions I and II follow
- (5) Only Conclusion I follows

Solution:3

9. **Statements :** All users are senders. Some users are machines.

**Conclusions :** I. Some senders are users.

II. Some machines are senders.

- (1) Both Conclusions I and II follow
- (2) Only Conclusion I follows
- (3) Only Conclusion II follows
- (4) Either Conclusion I or II follows
- (5) Neither Conclusion I nor II follows

Solution:1

10. **Statements :** Some cooks are employees. Some employees are workers.

**Conclusions :** I. All cooks are workers.

II. No cook is a worker.

- (1) Either Conclusion I or II follows
- (2) Only Conclusion II follows
- (3) Only Conclusion I follows
- (4) Both Conclusions I and II follow

(5) Neither Conclusion I nor II. follows

Solution:5

**Directions (11 – 15) :** In each of the following questions, relationship between different elements is shown in the statements. The statements are followed by two Conclusions numbered I and II. Study the Conclusions based on the given statement and select the appropriate answer.

11. **Statements :**

$S=A \leq P > R \leq T < I$

**Conclusions :**

I.  $U > A$

II.  $S \leq T$

- (1) Both Conclusions are true
- (2) Only Conclusion I is true
- (3) Only Conclusion II is true
- (4) Neither Conclusion I nor II is true
- (5) Either Conclusion I or III is true

Solution:4

**(12 – 13) :**

**Statements :**

$P \geq Q < R = M; R \geq F$

12. **Conclusions :**

I.  $M \geq F$

II.  $F > P$

- (1) Both Conclusions I and II are true
- (2) Only Conclusion I is true
- (3) Neither Conclusion I nor II is true
- (4) Either Conclusion I or II is true
- (5) Only Conclusion II is true

Solution:2

13. **Conclusions :**

I.  $F < Q$

II.  $P \geq M$

- (1) Only Conclusion I is true
- (2) Both Conclusions I and II are true
- (3) Neither Conclusion I nor II is true
- (4) Either Conclusion I or II is true
- (5) Only Conclusion II is true

Solution:3

14. **Statements :**  $T \geq O = I \geq L = D$

**Conclusions :**

I.  $D < T$

II.  $D = T$

- (1) Both Conclusions I and II are true
- (2) Neither Conclusion I nor II is true
- (3) Either Conclusion I or II is true
- (4) Only Conclusion I is true
- (5) Only Conclusion II is true

Solution:3

15. **Statements :**

$J < C = T \geq U \geq R = N$

**Conclusions :**

I.  $N < C$

II.  $U > J$

- (1) Both Conclusions I and II are true
- (2) Neither Conclusion I nor II is true
- (3) Only Conclusion I is true
- (4) Only Conclusion II is true
- (5) Either Conclusion I or II true

Solution:2

16. If it is possible to make only one meaningful word with the first, fourth, sixth and eighth letters of the word 'SENTENCE', which could be the second letter of the word from the right end? If more than one such word can be formed give 'X' as the answer. If no such word can be formed give 'Z' as your answer.

- (1) N
- (2) T

- (3) Z
- (4) X
- (5) S

Solution:4

17. The positions of how many digits will remain the same if the digits in the number 297345618 are rearranged in the descending order within the number, from left to right?
- (1) None
  - (2) Two
  - (3) More than three
  - (4) Three
  - (5) One

Solution:5

18. How many such pairs of letters are there in the word CLAYED, each of which has as many letters, between them in the word (in both forward and backward directions) as they have between them in the English alphabetical series ?
- (1) None
  - (2) One
  - (3) Two
  - (4) Three
  - (5) More than three

Solution:4

**Directions (19 – 24) :** Study the following information carefully and answer the questions given below :

Eight persons C, D, E, F, G, H, I and J are seated in the straight line facing north, but not necessarily in the same order. H sits fifth to the left of D. D does not sit at any of the extreme ends of the line. Only two persons sit between H and I. E sits third to the right of J.

C is not an immediate neighbour of H. C is an immediate neighbour of G. G is not an immediate neighbour of I.

19. Which of the following represents persons seated at the two extreme ends of the line?

- (1) H, E
- (2) I, F
- (3) C, E
- (4) G, J
- (5) F, G

Solution:1

20. Which of the following statement is true with respect to F as per the given arrangement ?

- (1) Only one person sits between F and J
- (2) Both I and D are immediate neighbours of F
- (3) None of the given options is true
- (4) Only two people sit to the right of F
- (5) F sits second to the left of E

Solution:1

21. If all the given people are made to sit in alphabetical order from left to right, the positions of how many of them will remain unchanged?

- (1) Two
- (2) Three
- (3) Four
- (4) None
- (5) One

Solution:4

22. What is the position of J with respect to H?

- (1) Fifth to the right
- (2) Third to the right
- (3) Second to the right
- (4) Second to the left
- (5) Fourth to the right

Solution:5

23. How many persons are seated between G and F ?

- (1) One
- (2) Five
- (3) Four
- (4) Three
- (5) Two

Solution:3

24. Who amongst the following sits exactly in the middle of the persons who sit fourth from the left and third from the right?

- (1) D
- (2) J
- (3) F
- (4) I
- (5) G

Solution:2

**Directions (25-30):** Study the following information carefully and answer the questions given below :

*Eight persons- M, N, O, P, W, X, Y and Z are sitting around a circular table facing the centre, with equal distances between each other but not necessarily in the same order.*

*M sits second to the left of O. P is an immediate neighbour of O and W. Only three persons sit between O and Y. X sits to the immediate right of W. Z is neither an immediate neighbour of W nor O.*

25. What will come in the place of question mark (?) in the following series based on the given arrangement ?

MZ PW YN NY ?

- (1) WF
- (2) XN
- (3) WX
- (4) XY
- (5) WY

Solution:1

26. Which of the following pair represents the immediate neighbours of M ?

- (1) X, W
- (2) P, Y
- (3) Y, Z
- (4) Z, W
- (5) Z, N

Solution:5

27. Which of the following statements is true as per the given arrangement ?

- (1) X is an immediate neighbour of Y
- (2) Z sits second to the right of W
- (3) Y sits to the immediate left of M
- (4) P sits second to the right of X
- (5) None of the given options is true

Solution:1

28. How many persons sit between M and W as per the given arrangement ?

- (1) None
- (2) Four
- (3) Three
- (4) Two
- (5) One

Solution:3

29. Who amongst the following sits third to the left of P ?

- (1) Y
- (2) M
- (3) O
- (4) Z
- (5) N

Solution:2

30. Four of the following five are alike in a certain way and so form a group. Which of the following does not belong to the group ?

- (1) O,M
- (2) W, O
- (3) N,Z
- (4) N, X
- (5) Y, W

Solution:4

**Directions (31 – 35):** Study the following arrangement carefully and answer the questions given below :

3 9 2 4 7 5 9 2 8 1 4 9 5 3 1 6 5 7 3 4 2 9 8 1 3  
6 2 8 1 7 5 4 5

31. How many such 2s are there in the given arrangement, each of which is immediately followed by a perfect square?

- (1) More than three
- (2) Three
- (3) One
- (4) Two
- (5) None

Solution:4

32. If all the even digits are deleted from the given arrangement, which of the following will be tenth from the right end of the arrangement ?

- (1) 3
- (2) 1
- (3) 5
- (4) 7
- (5) 9

Solution:3

33. How many such 4s are there in the given arrangement, each of which is immediately followed by a digit which has a numerical value of more than four ?

- (1) More than three
- (2) One
- (3) None
- (4) Two

(5) Three

Solution:5

34. Which of the following is seventh to the left of the seventeenth digit from the left end of the given arrangement ?

- (1) 1
- (2) 9
- (3) 4
- (4) 8
- (5) 5

Solution:1

35. How many such 3s are there in the given arrangement, each of which immediately preceded by an odd digit and also immediately followed by an even digit ?

- (1) Three
- (2) Two
- (3) More than three
- (4) None
- (5) One

Solution:2

**Directions (36 – 38) :** The following questions are based on the given five three letter words :

ACT SHY EON ACE WEB

36. If the letter 'F' added before each of the given words, how many of them will form meaningful English words ?

- (1) One
- (2) More than three
- (3) None
- (4) Two
- (5) Three

Solution:4

37. If the first and second letter of each of the given words are interchanged, then

which of the following will become a meaningful English word ?

- (1) EON
- (2) ACE
- (3) ACT
- (4) SHY
- (5) WEB

Solution:3

38. If the first and third letters of each of the given words is changed to the next letter in the English alphabetical series, how many of them will have atleast two vowels (same of different vowels) ?

- (1) None
- (2) One
- (3) Three
- (4) Two
- (5) Four

Solution:2

39. In a certain code the word 'DOUBT' is written as '\$#35&' and the word 'BONES' is written as '5#@67'. How is the word 'STONE' written in this code ?

- (1) 7&#@6
- (2) 7@53#
- (3) 7&53#
- (4) \$673@
- (5) &753#

Solution:1

40. Among five friends A, B, C, D and E each running at a different speed in a race, who ran the second slowest ? E ran faster than only two friends. A ran faster than D but slower than B. B did not run the fastest.

- (1) D
- (2) B
- (3) C
- (4) Cannot be determined
- (5) A

Solution:5