SBI CLERK (ASSISTNAT) ONLINE EXAM, 08-02-2015- PREVIOUS YEAR PAPER

GENERAL AWARENESS

1. The Minister for Heavy Industries and Public Enterprises in the revamped Union Council of
   Ministers is.................
   (1) Shri Ramvilas Paswan
   (2) Shri Anant Kumar
   (3) Shri J P Nadda
   (4) Shri Anant Geete
   (5) Shri Kalraj Mishra

   Solution:4

2. The theme of the 102nd edition of the Indian Science Congress 2015 recently held in Mumbai was
   (1) Power of science is all around us
   (2) Science and Technology for Sustainable Development
   (3) Recreating interest in Basic science
   (4) Science and Technology for nation building
   (5) Science and Technology for Human Development

   Solution:5

3. Kudankulam project is lozcated in which state ?
   (1) Karnataka
   (2) Kerala
   (3) Telangana
   (4) Maharashtra
   (5) Tamil Nadu

   Solution:5

4. The 'Vibrant Gujarat' summit 2015 was recently held in...............
   (1) Gandhinagar
   (2) Ahmedabad
   (3) Jamnagar

(4) Vadodara

(5) Porbandar

> *Solution:1*

5. 'Ajinkya Rahane' is associated with the game of...............
   (1) Wrestling
   (2) Cricket
   (3) Badminton
   (4) Women Hockey
   (5) Athletics

> *Solution:2*

6. Chairperson of the NM (National Institution for Transforming India) Aayog formed by the Government of India to replace the erstwhile Planning Commission is....................
   (1) Sindhu Shree Khullar
   (2) Shri Arvind Panaganya
   (3) Shri Arun Jaitley
   (4) Shri Narendra Modi
   (5) Shri Montek Singh Ahluwalia

> *Solution:4*

7. 1n case of mutual funds the expense ratio measures the per unit cost of managing a fund. It is calculated by dividing the fund by
   (1) Profit per unit
   (2) Total income from assets
   (3) Total liabilities
   (4) Expenses per unit
   (5) Assets under management

> *Solution:*

8. The International Hindi Conference with the theme of 'Expanding World of Hindi Possibilities and Challenges' would be held between April 3-5, 2015 in................
   (1) Durban, South Africa
   (2) Kyoto, Japan
   (3) Mumbai, India
   (4) New Jersey, USA
   (5) Saint Petersburg, Russia

> *Solution:4*

9. The recently re-launched 'Varishtha Pension Bima Yoj ana' administered by the LIC will be available from August 15, 2014 to.......................
   (1) March 31, 2015
   (2) December 31, 2015
   (3) April 1, 2015
   (4) August 14, 2015
   (5) March 31, 2016

   > *Solution:4*

10. The trading of a company's stock or other securities by individuals with access to nonpublic information about the company with an objective of making illegal gains is known as...................
   (1) Cross Trading
   (2) Insider Trading
   (3) Forward Trading
   (4) Curb Trading
   (5) Circular Trading

   > *Solution:2*

11. As per the RBI guidelines the White Label ATM operators are required to maintain at all times minimum net worth of
   (1) Rs. 350 crore
   (2) Rs. 250 crore
   (3) Rs. 500 crore
   (4) Rs. 400 crore
   (5) Rs. 100 crore

   > *Solution:5*

12. The 2016 NATO summit is scheduled to take place in
   (1) Chicago, USA
   (2) Lisbon, Portugal
   (3) Other than those given as options
   (4) Brussels, Belgium
   (5) Warsaw, Poland

   > *Solution:5*

13. The first bullet train is to be run between which of the following cities ?
   (1) Mumbai — Ahmedabad
   (2) Delhi — Mumbai
   (3) Mumbai — Goa

(4) Delhi — Agra

(5) Delhi — Jaipur

> *Solution:1*

14. In USA the third Monday of January each year is an American federal holiday and the day is marked as the ....

    (1) Abraham Lincoln Day

    (2) Benjamin Franklin Day

    (3) George Washington Day

    (4) Martin Luther King Jr. Day

    (5) John F. Kennedy Day

> *Solution:4*

15. The World Diamond Conference was held recently in

    (1) Germany

    (2) Russia

    (3) Singapore

    (4) China

    (5) India

> *Solution:5*

16. Nirmal Bharat Abhiyan (NBA) is a Community led total sanitation programme initiated by the Government of India. The campaign ambassador for Nirrnal Bharat Abhiyan is..............

    (1) Priyanka Chopra

    (2) Aamir Khan

    (3) Amitabh Bachchan

    (4) Sachin Tendulkar

    (5) Vidya Balan

> *Solution:5*

17. National Energy Conservation Day is celebrated every year on

    (1) 24th December

    (2) 14th November

    (3) 14th October

    (4) 14th December

    (5) 24th November

> *Solution:4*

18. Who amongst the following has recently been identified to act as the brand

ambassador for health sector in Andhra Pradesh ?

(1) Naseeruddin Shah

(2) Madhuri Dbdt

(3) Amitabh Bachchan

(4) Katrina Kaif

(5) Om Puri

> *Solution:3*

19. The abbreviation 'NAV' stands for

(1) Nominal Average Value

(2) National Average Value

(3) Net Asset Value

(4) Net Asset Volume

(5) Net Average Value

> *Solution:3*

20. The Mahatma Gandhi Setu also called Gandhi Setu or Ganga Setu is a bridge over the river Ganges connecting..............

(1) Kolkata and Howrah

(2) Bandra and Worli in Mumbai

(3) Patna and Hajipur

(4) Rameshwaram Island with mainland of India

(5) Allahabad with Naini

> *Solution:3*

21. In the absence of comprehensive database of tea gardens and socio-economic condition of workers UNICEF has decided to prepare a Tea Atlas' in the Indian State of.....................

(1) Kerala

(2) Meghalaya

(3) Assam

(4) West Bengal

(5) Himachal Pradesh

> *Solution:3*

22. Who amongst the following is the non-executive Chairman of the Board of Directors of the ICICI Bank Limited ?

(1) Shrimati Shyamala Gopinath

(2) Shri K V Kamath

(3) Shri Deepak Parekh

(4) Shri Aditya Puri

(5) Shrimati Chanda Kochhar

> *Solution:2*

23. The population of India in 2011 has been estimated to be 1.21 billion, comprising 624 million male and ....

    (1) 647 million females

    (2) 617 million females

    (3) 587 million females

    (4) 657 million females

    (5) 627 million females

    > *Solution:3*

24. Which of the following is a tool for temporary cash management used by the Central/State governments to tide over temporary mismatches ?

    (1) Ways and Means Advances (WMA)

    (2) Inflation Indexed Bonds (11B)

    (3) Open Market Operations (OMO)

    (4) Marginal Liquidity Facility (MLF)

    (5) Liquidity Adjustment Facility (LAF)

    > *Solution:1*

25. Russia and four other ex-Soviet nations have completed the creation of a new economic alliance The Eurasian Economic Union (EEU). Which of the following nations is not a part of this alliance ?

    (1) Armenia

    (2) Kazakhstan

    (3) Belarus

    (4) Kyrgyzstan

    (5) Ukraine

    > *Solution:5*

26. Vienna' is the capital and largest city of ....

    (1) Slovak Republic

    (2) Republic of Austria

    (3) Federal Republic of Germany

    (4) Republic of Poland

    (5) Republic of Hungary

    > *Solution:2*

27. The Mubadala World Tennis Championships held in January 2015 in Abu Dhabi was won by
    (1) Heather Watson
    (2) Novak Djokovic
    (3) Andy Murray
    (4) Marin Celich
    (5) Kei Nishikori

    Solution:3

28. Which of the following has been named as the 'Business Person of the Year' for 2014 by the Fortune Magazine ?
    (1) Former FedEx Chairman and CEO Fred Smith
    (2) Google CEO Larry Page
    (3) Apple's CEO Tim Cook
    (4) Facebook CEO Mark Zuckerberg
    (5) Alibaba Co-founder Jack Ma

    Solution:2

29. Who among the following is the chairperson of the Planning Commission ?
    (1) Arun Jaitley
    (2) Rajnath Singh
    (3) Nitin Gadkari
    (4) Sushma Swaraj
    (5) Narendra Modi

    Solution:5

30. Patrick Modiano has been awarded the 2014 Nobel Prize for
    (1) Literature
    (2) Medicine
    (3) Chemistry
    (4) Economics
    (5) Physics

    Solution:1

31. The Index 'CNX Nifty' also called 'Nifty 50' is a benchmark stock market index for
    (1) Singapore stock market
    (2) Shanghai stock market
    (3) Indian equity market
    (4) American stock market
    (5) Japanese stock market

Solution:3

32. The abbreviation 'PIO' stands for
    (1) Public of Indian Origin
    (2) Passport of Indian Origin
    (3) Person of Indian Origin
    (4) Pensioners of Indian Origin
    (5) People of Indian Origin

    Solution:3

33. Under a contractionary money policy the RBI raises the interest rates
    to....................
    (1) Increase level of Employment
    (2) Boost money supply in the economy
    (3) Control Inflation
    (4) Deal with sluggish economic conditions
    (5) Boost up Economic Growth

    Solution:3

34. Which of the following organizations issues the RuPay card?
    (1) SIDBI
    (2) NPCI
    (3) RBI
    (4) SBI
    (5) IRDA

    Solution:2

35. Boundary Line between Pakistan and Afghanistan is known as......................
    (1) Radcliffe line
    (2) Hindenburg Line
    (3) Macmohan Line
    (4) Durand Line
    (5) Mason-Dixen Line

    Solution:4

36. The Government of India has launched 'Mission Indra Dhanush' that aims to
    immuniseall children by the year 2020, against...............
    (1) Three vaccine preventable diseases
    (2) Five vaccine preventable diseases
    (3) Four vaccine preventable diseases

(4) Nine vaccine preventable diseases

(5) Seven vaccine preventable diseases

> *Solution:5*

37. The chief regulator of the 'commodity futures' market in India is.........................
    (I) General Insurance Corporation of India
    (2) Forward Markets Commission (FMC)
    (3) Reserve Bank of India
    (4) Securities and Exchange Board of India
    (5) Clearing Corporation of India

> *Solution:2*

38. What is the full form of NEFT ?
    (1) National Electronics Funds Transfer
    (2) National Electronics File Transfer
    (3) National Elected Fund Transfer
    (4) National Elected File Transfer
    (5) Non Electronic Fund Transfer

> *Solution:1*

39. The 'Emmy Awards' recognise excellence in....................
    (1) The Theatre Industry
    (2) The Music Industry
    (3) The Tefevision Industry
    (4) Athletics and Sports
    (5) Literature and Arts

> *Solution:3*

40. BCSBI is an autonomous and independent body set up by the
    (1) Government of India (GOI)
    (2) Securities and Exchange Board of India (SEBI)
    (3) The Reserve Bank of India (RBI)
    (4) Indian Banks' Association (IBA)
    (5) Financial Sector Legislative Reforms Commission (FSLRC)

> *Solution:3*

ENGLISH LANGUAGE

Directions (1-5) : *Rearrange the following six sentences/groups of words in a proper sequence so as to form a meaningful paragraph and then answer the questions given below them.*

(A) Basic human needs also include a sense of belongingness, a feeling of control over one's life.

(B) Motivation and inspiration energize people into action.

(C) Ability to live up to one's ideals besides all these is also a fundamental need.

(D) This is done not by pushing them in the right direction as control mechanisms.

(E) Such feelings touch us deeply and elicit powerful response.

(F) But it is done by satisfying basic human needs for achievement.

1. Which of the following should be the **fifth** sentence after rearrangement ?
   (I) A
   (2) C
   (3) D
   (4) E
   (5) B

   Solution:2

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

   Solution:4

3. Which of the following should be the **sixth (last)** sentence after rearrangement
   (1) A
   (2) B
   (3) C
   (4) D
   (5) E

   Solution:5

4. Which of the following should be the **first** sentence after rearrangement ?
   (1) A

(2) B

(3) D

(4) E

(5) C

Solution:2

5. Which of the following should be the **fourth** sentence after rearrangement ?

(1) A

(2) B

(3) D

(4) E

(5) C

Solution:1

Directions (6-10) : *In the following questions each sentence has a blank indicating that something has been omitted. Choose the word that best fits the meaning of the sentence as a whole.*

6. It is hard to believe the............... of operations involved in this activity.

(1) magnitude

(2) size

(3) scale

(4) preparation

(5) significance

Solution:5

7. He appeared on stage........................ a narrator of the drama.

(1) as

(2) what

(3) about

(4) whatever

(5) always

Solution:1

8. It is required that you fill out these two..................... to register for the job.

(1) forms

(2) applications

(3) relevance

(4) statements

(5) views

> *Solution:2*

9. As a last.................... we had to accept these terms and conditions.
    (1) resort
    (2) step
    (3) attraction
    (4) spot
    (5) means

> *Solution:1*

10. Even ....the book doesn't draw from political characters; the possible coincidence is not missing.
    (1) while
    (2) though
    (3) until
    (4) when
    (5) if

> *Solution:2*

Directions (11-20) : *Read the following passage carefully and answer the given questions.*

There is no field of human **endeavour** that has been so misunderstood as health, while health which connotes well-being and the absence of illness has a low profile; it is illness representing the failure of health which virtually monopolizes attention because of the fear of pain, **disability** and death. Even Sushruta has warned that this provides the medical practitioner power over the patient which could be misused. Till recently, patients had implicit faith in their physician that they loved and respected, not only for his knowledge but also in the total belief that practitioners of this noble profession, guided by ethics, always place the patient's interest above all other considerations. This rich interpersonal relationship between the physician; patient and family has barred a few expectations prevailed till the recent past, for caring was considered as important as curing. Our **indigenous** system of medicine like ayurveda and yoga have been more concerned with the promotion of the health of both the body and mind and with maintaining a harmonious relationship not just with fellow being but with nature itself, of which man is an integral part. Health practices like cleanliness proper diet exercise and meditation are part of our culture which sustains people in the

prevailing conditions of poverty in rural India and in the unhygienic urban slums. These systems consider disease as an aberration resulting from disturbance of the equilibrium of health which must be corrected by gentle restoration of this balance through proper diet, medicines and the establishment of mental peace. They also teach the graceful acceptance of old age with its infirmities resulting from the normal **degenerative** process as well as if death which is inevitable. This is in marked contrast to the western concept of life as a constant struggle against disease aging and death which must be fought and conquered with the knowledge and technology derived from their science; a science which with its narrow dissective and quantifying approach has provided us the understanding of the microbial causes of the communicable disease and provided highly effective technology for their prevention, treatment and control. This can rightly be claimed as the greatest contribution of western medicine and justifiably termed as 'high technology. And yet the contribution of this science in the field of non-communicable disease is remarkably poor despite the far greater inputs in research and treatment for the problem of aging like cancer, heart disesase, paralytic strokes and arthritis which are the major prob-
lems of affluent societies today.

11. Which of the following has been described as the most outstanding benefit of modern medicine ?
     (A) The real course and ways of control of communicable diseases.
     (B) Evolution of the concept of harmony between man and nature.
     (C) Special techniques for fighting aging.
     (1) Only B and C
     (2) Only A and B
     (3) Only A
     (4) Only B
     (5) All A, B and C

     Solution:3

12. Which of the following is most nearly the opposite in meaning to the word 'ENDEAVOUR' given in bold as used in the passage.
    (1) idleness
    (2) aim
    (3) effort
    (4) exertion
    (5) peace

    Solution:1

13. In India traditionally the doctors were being guided mainly by which of the

following ?

(1) High technology

(2) Good knowledge

(3) Professional ethics

(4) Power of patient

(5) other than those given as options

Solution:3

14. Which of the following can be inferred about the position of the author in writing the passage ?

(A) Ardent supporter of western system in present context.

(B) Supremacy of ancient Indian system in today's world.

(C) Critical and objective assessment of the present situation.

(1) Only A

(2) Only B

(3) Only C

(4) All A, B and C

(5) Only B and C

Solution:5

15. Which of the following is most nearly the same in meaning to the word 'DISABILITY' given in bold as used in the passage.

(1) impairment

(2) ability

(3) fitness

(4) strength

(5) health

Solution:1

16. Which of the following is most nearly the opposite in meaning to the word 'INDIGENOUS' given in bold as used in the passage.

(1) domestic

(2) primitive

(3) alien

(4) connote

(5) inbred

Solution:3

17. Which of the following is most nearly the opposite in meaning to the word 'DEGENERATIVE' given in bold as used in the passage.

(1) improving

(2) expanding

(3) progressive

(4) deteriorating

(5) growing

Solution:1

18. What has the field of health not been understood properly ?

(1) Difficulty in understanding distinction between health and illness.

(2) Confusion between views of indigenous and western system.

(3) Highly advanced technology being used by the professionals.

(4) Other than those given as options.

(5) Use of Indian traditions in health problems.

Solution:1

19. Which of the following pairs are mentioned as 'contrast' in the passage ?

(1) Western concept of life and science.

(2) Technology and science

(3) Western physician and western educated Indian physician.

(4) Indian and western concept of treatment

(5) None of these

Solution:4

20. What caution components of indigenous system have sounded against medical practitioners ?

(1) Their undue concern for the health of the person.

(2) Their emphasis on research on non-communicable diseases.

(3) Their emphasis on curing illness rather than preventive health.

(4) Their emphasis on restoring health for affluent member of the society.

(5) Other than those given as options.

Solution:2

Directions (21-25): *Read each of the following sentences 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, mark `No Error' as your answer. Ignore the errors of punctuation, if any.*

21. If you breaks the law, (1)/ you must be prepared (2)/ to suffer (3)/ the

consequences (4)/ No error (5)

> *Solution:1*

22. The Government has (1)/ promised to revise (2)/ the pension scheme for bank (3)/ staff since next year (4)/ No error (5).

> *Solution:4*

23. As per RBI guidelines (1)/ a bank account in which (2)/ there is no transactions for (3)/ two years is a dormant account (4)/ No error (5).

> *Solution:3*

24. Reading newspapers will (1)/ help you (2)/ in understand banking (3)/ and business concepts (4)/ No error (5).

> *Solution:3*

25. The power supplying in (1)/ many states has been (2)/ badly affected because (3)/ of the

   shortage of coal (4)/ No error (5).

> *Solution:1*

Directions (26 – 30): *In the following questions, a sentence with four words in bold type is given. One of these four words given in 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 is your answer. If all the words given in bold are correctly spelt and also appropriate in the context of the sentence, mark 'All correct' as your answer.*

26. Solving the energy **challange** (1)/ requires **behaviour** (2)/ change and new **technological** (3)/ **approaches** (4)/ All correct (5).

> *Solution:1*

27. **Political** (1)/ **decisions** (2)/ **ought** (3)/ to have a **rationale.** (4)/ All correct (5).

> *Solution:5*

28. The **accomodation** (1)/ **though** (2)/ was in a good **locality** (3)/ the **construction** (4)/ work was not good. All correct (5).

> *Solution:1*

29. We also **gained** (1)/ **ample** (2)/ **expereince** (3)/ in the banking **sector**. (4)/ All correct (5)

> *Solution:3*

30. I have **lived** (1) / **happili** (2) / in my **village** (3)/ for **several** years now. (4)/ All correct (5).

> *Solution:2*

Directions (31- 4O): *In the given passage, there are blanks, each of which has been numbered. Against each, five words are suggested, one of which fits the blank appropriately. Find out the appropriate word in each case.*
We are in the first decade of the last millennium. In the first decade of the last century, sanitation was a difficult affair in villages. The people were not (31) to do anything themselves (32) the field labourers were not ready to do their own scavenging. But our people did not (33) heart easily. They (34)their energies on (35) a village ideally clean. They (36) the roads and the courtyards, cleared out the wells, filled up the pools nearby and lovingly (37) the villagers to raise volunteers from (38) themselves. Our team succeeded in their mission so much that in some villages people were so (39) that they even prepared roads to (40) our cars to go from place to place.

31. (1) prepared
    (2) asked
    (3) tempted
    (4) engaged
    (5) reluctant

> *Solution:1*

32. (1) exceptionally
    (2) only
    (3) because
    (4) even
    (5) although

> *Solution:4*

33. (1) lend
    (2) console
    (3) lose
    (4) give

(5) treat

> *Solution:3*

34. (1) developed

   (2) conserved

   (3) dispensed

   (4) wasted

   (5) concentrated

> *Solution:3*

35. (1) washing

   (2) making

   (3) disinfecting

   (4) demonstrating

   (5) spotting

> *Solution:2*

36. (1) concreted

   (2) dug

   (3) swept

   (4) constructed

   (5) paved

> *Solution:5*

37. (1) prevented

   (2) compelled

   (3) resisted

   (4) persuaded

   (5) declined

> *Solution:4*

38. (1) amongst

   (2) convincing

   (3) relying

   (4) enrolling

   (5) preparing

> *Solution:1*

39. (1) courteous

   (2) lethargic

(3) generous

(4) clean

(5) enthusiastic

> *Solution:5*

40. (1) push

(2) enable

(3) feel

(4) drive

(5) accompany

> *Solution:2*

MARKETING APTITUDE AND COMPUTER AWARENESS

1. A Compact disk (CD) is a(n)............ data storage of the type.
   (1) Magnetic
   (2) Sequencer
   (3) Electro-mechanical
   (4) Electrical
   (5) Optical

   > *Solution:5*

2. What does the term GUI in computing stands for ....
   (1) Graphical utility interface
   (2) Graphical user input
   (3) Graphical user interface
   (4) Graphics user intake
   (5) Graphics user information

   > *Solution:3*

3. Which is not a part of 7 P's of marketing ?
   (1) Price
   (2) Policy
   (3) Product
   (4) People
   (5) Process

   > *Solution:2*

4. Which one of the following is not the operation of operating system ?
   (1) Networking
   (2) Process management
   (3) Booting
   (4) Resource management
   (5) File management

   > *Solution:3*

5. Market share can be increased by...................
   (1) Increasing the number of sales persons
   (2) Increasing the sales volume

(3) Increasing the products

(4) Increasing production

(5) Rewriting profits

> *Solution:2*

6. Cross selling means........................

   (1) City to city sales

   (2) Selling with cross face

   (3) Selling with crossed finger

   (4) Selling products to existing customers

   (5) Cold calling

   > *Solution:4*

7. One advantage of dial-up n-temet access is ....

   (1) It utilizes existing telephone service

   (2) Modem speeds are very fast

   (3) It utilizes broadband technology

   (4) It uses a router for security

   (5) It is wireless service

   > *Solution:1*

8. A document created in a word processing program or a budget created in a spreadsheet are, both examples of documents created in

   (1) Machine language

   (2) an operating system

   (3) a window platform

   (4) system software

   (5) application software

   > *Solution:5*

9. What is the USP of saving accounts ?

   (1) High rate of interest

   (2) Easy operation

   (3) Risky transactions

   (4) Expensive transactions

   (5) Back office facility

   > *Solution:2*

10. Sales forecasting involves study of...............

    (1) Proper selling price

(2) Sales planning

(3) Distribution outlets

(4) Consumer needs and demands

(5) All of the above

Solution:5

11. A saved document is referred to as ………………

(1) file

(2) folder

(3) project

(4) data

(5) word

Solution:1

12. Programs such as Internet Explorer that serve as navigate windows into the web are called

(1) Networks

(2) Hypertext

(3) Web Site

(4) WebBrowser

(5) Internet

Solution:4

13. By an intranet we mean

(1) A LAN of an organization

(2) A wide area network of all branches of an organization

(3) Personal network of top management of an organization

(4) A network connecting all computers of an organization using Internet protocol

(5) Metropolitan Area Network

Solution:4

14. Marketing in banks is a necessity today, due to…………………….

(1) Liberalisation

(2) Nationalisation

(3) Fashion

(4) Urbanisation

(5) Marketing in banks is not necessary, as banking in India is more than 200 years old

Solution:1

15. A DSA helps in.........................
    (1) Boosting direct sales
    (2) Boosting sales through the net
    (3) Strengthening indirect marketing
    (4) Strengthening telemarketing
    (5) All of the above

    Solution:1

16. Good selling skills involve
    (1) Patience
    (2) Perseverance
    (3) Empathy
    (4) Knowledge
    (5) All of the above

    Solution:5

17. The brain of a computer is
    (1) Floppy Disk
    (2) CPU
    (3) CD
    (4) COBOL
    (5) Megabyte

    Solution:2

18. Example of telecommunication device is a....................
    (1) modem
    (2) printer
    (3) keyboard
    (4) scanner
    (5) mouse

    Solution:1

19. What is the full form of Internet communication language TCP/IP?
    (1) Transmission Control Practice/ Internet Practice
    (2) Transmission Control Protocol/ Internet Protocol
    (3) Transport Control Protocol/ Internet Protocol
    (4) Transport Component Practice /International Practice
    (5) Telephone Call Protocol/ International Protocol

    Solution:2

20. Chip is a common nickname for a(n)....................
    (1) Transistor
    (2) Semi conductor
    (3) Resister
    (4) Hard disk
    (5) Integrated circuit

    Solution:5

21. The USP of a credit card is
    (1) Cashless operations
    (2) Only for HNIs
    (3) Only for Men
    (4) Only for employed persons
    (5) Transactions through cheque book

    Solution:1

22. Interest on Savings deposit nowadays is ....
    (1) Fixed by RBI
    (2) Fixed by the respective banks
    (3) Fixed by the depositors
    (4) Not paid by the bank
    (5) Fixed as per the contract between Bank and the consumer court

    Solution:2

23. Which among the following is a disadvantage of an EDI system ?
    (1) Speed
    (2) Errors
    (3) Expensive
    (4) Mismatch
    (5) None of these

    Solution:3

24. The daily processing of corrections to customer accounts best exemplifies the processing mode of ....
    (1) batch processing
    (2) real-time processing
    (3) time-sharing
    (4) off-line processing
    (5) None of these

    Solution:1

25. A device that not only provides surge protection, but also furnishes the computer with battery backup power during a power outage is ....
    (1) Battery strip
    (2) UPS
    (3) Surge strip
    (4) USB
    (5) Memory

    Solution:2

26. Select the best description of read only memory (ROM)
    (1) Volatile used to store only memory
    (2) Volatile used to store information that does not change during system operation
    (3) Volatile used to store information that changes during system operation
    (4) Non-volatile used to store information that changes during system operation
    (5) Non-volatile used to store information that does not change during system operation

    Solution:5

27. MIPS in measuring processor speed stands for...........................
    (1) Monthly instructions per second
    (2) Million instructions per second
    (3) More inputs per system
    (4) Million inputs per second
    (5) More instructions per system

    Solution:2

28. What is the ultimate purpose of defragmentation ?
    (1) Delete temporary files
    (2) Format the PC
    (3) Make the PC faster
    (4) Create more free space
    (5) Reduce power consumption

    Solution:4

29. Programs such as Mozilla Fire-fox that serve navigate windows into the web are called.....................
    (1) Web browser
    (2) Networks
    (3) Internet

(4) Hyper Text

(5) Word processor

> *Solution:1*

30. 'Benchmark' means

    (1) products line up on bench

    (2) salesman sitting on a bench

    (3) set standards

    (4) marks on a bench

    (5) None of these

    > *Solution:3*

31. The customers by opening and investing in the Tax Saver Deposit Account Scheme in a bank would get benefit under

    (1) Sales Tax

    (2) Customs Duty

    (3) Excise Duty

    (4) Professional tax

    (5) Income Tax

    > *Solution:5*

32. Of the following pricing strategies………………., is not ideal for new products.

    (1) Market-Skimming

    (2) Discriminatory pricing

    (3) Promotional pricing

    (4) None of these

    (5) All of the above

    > *Solution:2*

33. Which of the following methods is not a cost-based method ?

    (1) value pricing

    (2) target-return pricing

    (3) mark-up pricing

    (4) marginal cost pricing

    (5) All of the above

    > *Solution:1*

34. The role of a…………….. generally is to determine a buyer's needs and match it to the correct hardware and software.

    (1) computer scientist

(2) computer sales representative

(3) computer consultant

(4) computer trainer

(5) None of these

> *Solution:2*

35. In ROM BIOS, the acronym BIOS stands for................

    (1) Basic input output system

    (2) Basic input organizational system

    (3) Basic industry operating system ,

    (4) Base input operating set

    (5) Basic initiative output set

> *Solution:1*

36. ....is a method in which multiple communication devices are connected to one another efficiently.

    (1) Routing

    (2) Redundancy

    (3) Detecting

    (4) Switching

    (5) None of these

> *Solution:4*

37. The Database Management System (DBMS) is................

    (1) Hardware system stores information

    (2) Hardware system used to create, maintain and provide controlled access to a database

    (3) Hardware system used to create, maintain and provide uncontrolled access to a database

    (4) Software system used to create, maintain and provide uncontrolled access to a database

    (5) Software system used to create, maintain and provide controlled access to a database

> *Solution:5*

38. Which one of the following is a target group for the marketing of internet banking ?

    (1) All the customers

    (2) All the educated customers

    (3) All the computer educated customers

    (4) Only creditors

(5) All of the above

> *Solution:3*

39. Service after sale is not the function of
    (1) Marketing staff
    (2) Seller
    (3) Director of the company
    (4) Employees of the company
    (5) None of these

> *Solution:1*

40. A buyers market means.............................
    (1) buyers are also sellers
    (2) sellers are also buyers
    (3) there are no sellers
    (4) demand exceeds supply
    (5) supply exceeds demand

> *Solution:5*

QUANTITATIVE APTITUDE

1. Fredrick after spending 20% of his monthly salary in buying electronic goods and 10% of the monthly salary in repair work of furniture, invested 30% of the remaining amount in fixed deposits. If he was left with Rs. 18,963, how much is his monthly salary ?

   (1) Rs. 38,700
   (2) Rs. 35,650
   (3) Rs. 40,200
   (4) Rs. 37,950
   (5) Rs. 42,500

   Solution:1

   (1) Percentage expense by Fredrick on electronic goods and repair of furniture = 20 + 10
   = 30%

   Percentage of remaining salary
   = 70%

   If the monthly salary of Fredrick be Rs. x, then

   Investment in fixed deposits

   $$= 30\% \text{ of } \left(\frac{x \times 70}{100}\right) = \text{Rs. } \frac{21x}{100}$$

   $$\therefore \text{ Savings } = \frac{x \times 70}{100} - \frac{21x}{100}$$

   $$= \text{Rs. } \frac{49x}{100}$$

   $$\therefore \frac{49x}{100} = 18963$$

   $$\Rightarrow x = \frac{18963 \times 100}{49} = \text{Rs.} 38700$$

2. The total price of 6 trousers and 5 shirts is Rs. 2,340. The total price of 7 shirts is Rs. 540 more than the total price of 3 trousers. What is the total price of 4 shirts ?

   (1) Rs.780
   (2) Rs.680
   (3) Rs.760

(4) Rs.640

(5) Rs.720

Solution:5

(5) Price of 1 trouser = Rs. x and price of 1 shirt = Rs. y (let)

$\therefore 6x + 5y = 2340$ ....(i)

and

$7y - 3x = 540$

$\Rightarrow 14y - 6x = 1080$ ....(ii)

On adding both the equations,

$19y = 2340 + 1080$

$\Rightarrow 19y = 3420$

$\Rightarrow y = \dfrac{3420}{19} = 180$

$\therefore$ Price of 4 shirts $= 180 \times 4$

$= $ Rs.720

---

3. In a village, 30% of the villagers belong to upper economic class. The number of villagers who belong to middle economic class are 3/2 of the number of villagers who belong to lower economic class. If 6860 villagers belong to lower economic class, what is the population of the village ?

   (1) 22600

   (2) 24500

   (3) 26000

   (4) 25500

   (5) 24300

Solution:2

---

(2) Let the population of village be x.

Population of higher economic class

$$= \frac{30x}{100} = \frac{3x}{10}$$

Population of lower economic class = 6860

∴ Population of middle economic class

$$= \frac{3}{2} \times 6860 = 10290$$

∴ Population of middle and lower economic class

$$= 6860 + 10290 = 17150$$

$$\therefore \left(x - \frac{3x}{10}\right) = \frac{7x}{10} = 17150$$

$$\Rightarrow x = \frac{17150 \times 10}{7} = 24500$$

4. A water tank has one inlet, A and one outlet, B. A takes 5 hours to fill the empty tank, when B is not open and B takes 8 hours to empty the full tank. If the tank is three fifth full, how much time will it take to fill the tank completely when both A and B are opened simultaneously ? (in hours)

(1) $6\frac{1}{3}$

(2) $4\frac{1}{3}$

(3) $8\frac{1}{3}$

(4) $5\frac{1}{3}$

(5) $7\frac{1}{3}$

Solution:4

(4) Part of tank filled by A and

B in 1 hour $= \dfrac{1}{5} - \dfrac{1}{8}$

$= \dfrac{8-5}{40} = \dfrac{3}{40}$

∴ Time taken in filling the tank completely

$= \dfrac{40}{3}$ hours

∴ Time taken in filling the $\dfrac{2}{5}$ th part of tank $= \dfrac{40}{3} \times \dfrac{2}{5}$

$= \dfrac{16}{3} = 5\dfrac{1}{3}$ hours

---

5. The height and base of a triangle are equal to the length and breadth of a rectangle respectively. If the perimeter of the rectangle is 86m and the difference between its length and breadth is 5m, what is the area of the triangle ? (in m²)

(1) 224

(2) 228

(3) 216

(4) 242

(5) 256

Solution:2

(2) Breadth of rectangle = x metre (let)

∴ Length = $(x + 5)$ metre

∴ $2(x + 5 + x) = 86$

$\Rightarrow 2x + 5 = 43$

$\Rightarrow 2x = 43 - 5 = 38$

$\Rightarrow x = 19$ metre = breadth = base

∴ Length = $19 + 5 = 24$ metre = height

∴ Area of triangle $= \dfrac{1}{2} \times$ base $\times$ height

$= \dfrac{1}{2} \times 24 \times 19 = 228$ sq.metre

Directions (6-10) *What will come in place of the question mark (?) in each of the following questions ?*

6. $7^2 \times 3^2 = ?^2 - 135$

    (1) 25

    (2) 35

    (3) 28

    (4) 30

    (5) 24

> *Solution:5*
>
> (5) $7^2 \times 3^2 = ?^2 - 135$
>
> $\Rightarrow 49 \times 9 = ?^2 - 135$
>
> $\Rightarrow 441 + 135 = ?^2$
>
> $\Rightarrow ?^2 = 576 \Rightarrow ? = \sqrt{576} = 24$

7. $\dfrac{1}{13} \times \sqrt{(2704)} = 84 - ?$

    (1) 74

    (2) 48

    (3) 80

    (4) 85

    (5) 60

> *Solution:3*
>
> (3) $\dfrac{1}{13} \times \sqrt{2704} = 84 - ?$
>
> $\Rightarrow \dfrac{1}{13} \times 52 = 84 - ?$
>
> $\Rightarrow 4 = 84 - ?$
>
> $\Rightarrow ? = 84 - 4 = 80$

8. $912.0076 + 878.42 - 1671.35 = 368 - ?$

    (1) 248.9224

    (2) 612.213

    (3) 237.6224

    (4) 45.2136

    (5) 211.3452

> *Solution:1*

(1) $912.0076 + 878.42 - 1671.35$
$= 368 - ?$
$\Rightarrow 1790.4276 - 1671.35 = 368 - ?$
$\Rightarrow 119.0776 = 368 - ?$
$\Rightarrow ? = 368 - 119.0776 = 248.9224$

9. $16\frac{2}{7} + 15\frac{1}{4} + 18\frac{1}{2} = ?$

    (1) $16\frac{1}{4}$

    (2) $50\frac{1}{28}$

    (3) 50

    (4) $23\frac{2}{3}$

    (5) $21\frac{3}{4}$

    Solution:2

    (2) $? = 16 + \frac{2}{7} + 15 + \frac{1}{4} + 18 + \frac{1}{2}$

    $= (16 + 15 + 18) + \left(\frac{2}{7} + \frac{1}{4} + \frac{1}{2}\right)$

    $= 49 + \left(\frac{8 + 7 + 14}{28}\right)$

    $= 49 + \frac{29}{28} = 50\frac{1}{28}$

10. $(25)^3 \times (4)^3 - 800^2 = (?)^2$

    (1) 400

    (2) 300

    (3) 600

    (4) 800

    (5) 1000

    Solution:3

    (3) $(25)^3 \times (4)^3 - (800)^2 = (?)^2$
    $\Rightarrow (?)^2 = (100)^3 - (800)^2$
    $= 1000000 - 640000 = 360000$
    $\therefore ? = \sqrt{360000} = 600$

11. (16% of 450) ÷ (?% of 250) = 4.8
    (1) 12
    (2) 6
    (3) 4
    (4) 10
    (5) 15

Solution:2

(2) $\dfrac{16 \times 450}{100} \div \dfrac{? \times 250}{100} = 4.8$

$\Rightarrow \dfrac{16 \times 450}{? \times 250} = 4.8$

$\Rightarrow ? = \dfrac{16 \times 450}{4.8 \times 250} = 6$

12. (786 × 24) ÷ ? = 524
    (1) 42
    (2) 36
    (3) 56
    (4) 54
    (5) 50

Solution:2

(2) $\dfrac{786 \times 24}{?} = 524$

$\Rightarrow 524 \times ? = 786 \times 24$

$\Rightarrow ? = \dfrac{786 \times 24}{524} = 36$

13. $\dfrac{2}{9}$ of $\left[1\dfrac{3}{4} + 1\dfrac{5}{8} \right] = ?$

    (1) $\dfrac{11}{13}$
    (2) $\dfrac{3}{7}$
    (3) $\dfrac{2}{5}$
    (4) $\dfrac{3}{4}$
    (5) $\dfrac{7}{8}$

Solution:4

$$(4) \quad ? = \frac{2}{9} \text{ of } \left(\frac{7}{4} + \frac{13}{8}\right)$$

$$= \frac{2}{9} \text{ of } \left(\frac{14+13}{8}\right)$$

$$= \frac{2}{9} \times \frac{27}{8} = \frac{3}{4}$$

14. $\dfrac{40 \times 4 \div 4^2 \times 2}{90 \div 5 \times 12} = ?$

(1) $\dfrac{25}{54}$

(2) $\dfrac{22}{57}$

(3) $\dfrac{11}{27}$

(4) $\dfrac{13}{27}$

(5) $\dfrac{20}{54}$

Solution:1

$(1) \quad ? = \dfrac{40 \times 4 \div 4^2 \times 2}{90 \div 5 \times 12}$

$$= \dfrac{40 \times 4 \times \dfrac{1}{4^2} \times 2}{\dfrac{90}{5} \times 12}$$

$$= \dfrac{20 \times 5}{18 \times 12} = \dfrac{25}{54}$$

15. $\sqrt{?} - 11 = \sqrt{1521}$

(1) 2500

(2) $(28)^2$

(3) $\sqrt{28}$

(4) 50

(5) $\sqrt{32}$

Solution:1

(1) $\sqrt{?} - 11 = \sqrt{1521}$

$\Rightarrow \sqrt{?} - 11 = 39$

$\Rightarrow \sqrt{?} = 39 + 11 = 50$

$\therefore ? = 50 \times 50 = 2500$

---

16. 1.05% of 2500 + 2.2 % of 440 =?

    (1) 37.50

    (2) 37.25

    (3' 370.25

    (4) 372.50

    (5) 350.72

Solution:2

(2) $? = \dfrac{2500 \times 1.05}{100} + \dfrac{2.5 \times 440}{100}$

$= 26.25 + 11 = 37.25$

---

17. $\sqrt{(176 \times 2 + 3^2)} = 4 + \sqrt{?}$

    (1) 225

    (2) 140

    (3) 180

    (4) 22

    (5) 169

Solution:1

(1) $\sqrt{(176 \times 2 + 3^2)} = 4 + \sqrt{?}$

$\Rightarrow \sqrt{352 + 9} = 4 + \sqrt{?}$

$\Rightarrow \sqrt{361} = 4 + \sqrt{?}$

$\Rightarrow 19 = 4 + \sqrt{?}$

$\Rightarrow \sqrt{?} = 19 - 4 = 15$

$\Rightarrow ? = 15 \times 15 = 225$

---

18. $\dfrac{(0.9)^3 - (0.3)^3}{(0.9)^3 + (0.3)^3} = ?$

    (1) $\dfrac{11}{13}$

(2) $\dfrac{13}{14}$

(3) $\dfrac{11}{19}$

(4) $\dfrac{12}{19}$

(5) None of these

Solution:2

(2) ? $= \dfrac{(0.9)^3 - (0.3)^3}{(0.9)^3 + (0.3)^3}$

$= \dfrac{0.729 - 0.027}{0.729 + 0.027} = \dfrac{0.702}{0.756} = \dfrac{13}{14}$

19. $\sqrt{5} \times 5\sqrt{3} \div \sqrt{15} = ? - $

(1) 18

(2) 28

(3) 32

(4) 30

(5) 26

Solution:5

(5) $\dfrac{4\sqrt{5} \times 5\sqrt{3}}{\sqrt{15}} = ? - 6$

$\Rightarrow \dfrac{20\sqrt{15}}{\sqrt{15}} = ? - 6$

$\Rightarrow 20 = ? - 6 \Rightarrow ? = 20 + 6 = 26$

20. $\dfrac{5}{9}$ of 315 + $\dfrac{3}{7}$ of 455 = ?

(1) 370

(2) 380

(3) 360

(4) 340

(5) 310

Solution:1

(1) ? $= \dfrac{5}{9} \times 315 + \dfrac{3}{7} \times 455$

$= 175 + 195 = 370$

21. The average weight of 38 students of a class was 44 kg. After 12 new students joined the class, the average weight increased by 4.68 kg. What is the average weight of 12 new students who joined the class ? (in kg)

    (1) 61.5

    (2) 65

    (3) 63.5

    (4) 62

    (5) 65.5

    Solution:3

    (3) Total weight of 12 new students

    = (50 × 48.68 – 38 × 44) kg.

    = 2434 – 1672 = 762 kg.

    ∴ Required average weight

    = $\frac{762}{12}$ kg = 63.5 kg.

22. Sonal's age 4 years hence will be equal to Radhika's age five years ago. If the respective ratio between Radhika's present age and Komal's present age is 3 : 2 and Komal's present age is 22 years, what is Sonars present age ? (in years)

    (1) 33

    (2) 32

    (3) 24

    (4) 26

    (5) 21

    Solution:3

    (3) Komal's present age = 22 years

    ∴ Radhika's present age

    = $\frac{3}{2}$ × 22 years

    = 33 years

    ∴ Sonal's age 4 years hence = Radhika's age 5 years ago = 33 – 5 = 28 years

    ∴ Sonal's present age = 28 – 4 = 24 years

23. 4/9th of the girls and 3/7th of the boys of a primary school participated in annual sports. If the number of participating students is 302 out of which 138 are boys,

what is the total n- imber of students in the primary school ?

(1) 677

(2) 691

(3) 723

(4) 649

(5) 711

Solution:2

(2) Girls who participated in annual sports = 302 – 138

= 164

∴ In the primary school :

Girls = $\dfrac{164 \times 9}{4}$ = 369

Boys = $\dfrac{138 \times 7}{3}$ = 322

∴ Total students in the primary school

= 369 + 322 = 691

---

24. A and B together can finish a piece of work in 12 days while B alone can do it in 30 days. In how many days can A alone finish the work ?

(1) 10

(2) 20

(3) 50

(4) 25

(5) 35

Solution:2

(2) A's 1 day's work

= $\dfrac{1}{12} - \dfrac{1}{30} = \dfrac{5-2}{60} = \dfrac{1}{20}$

∴ Required time = 20 days

Directions (25-29) : *What will come in place of the question mark (?) in the following number series?*

25. 5120   1280   320   80   ?

(1) 16

(2) 24

(3) 20

(4) 40

(5) 27

Solution:3

(3) The pattern is :

$5120 \div 4 = 1280$

$1280 \div 4 = 320$

$320 \div 4 = 80$

$80 \div 4 = \boxed{20}$

26.   8   17   42   91   ?

(1) 170

(2) 142

(3) 140

(4) 172

(5) 180

Solution:4

(4) The pattern is :

$17 - 8 = 9 = 3^2$

$42 - 17 = 25 = 5^2$

$91 - 42 = 49 = 7^2$

$\therefore ? = 91 + 9^2 = 91 + 81$

$= \boxed{172}$

27.   8   7   12   33   1 28   ?

(1) 635

(2) 465

(3) 585

(4) 495

(5) 545

Solution:1

(1) The pattern is :

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

$7 \times 2 - 2 = 14 - 2 = 12$

$12 \times 3 - 3 = 36 - 3 = 33$

$33 \times 4 - 4 = 132 - 4 = 128$

$128 \times 5 - 5 = 640 - 5 = \boxed{635}$

28.   3   4   12   45   196   ?

(1) 900

(2) 925

(3) 980

(4) 1005

(5) 995

Solution:4

(4) The pattern is :

$3 \times 1 + 1^2 = 3 + 1 = 4$

$4 \times 2 + 2^2 = 8 + 4 = 12$

$12 \times 3 + 3^2 = 36 + 9 = 45$

$45 \times 4 + 4^2 = 180 + 16 = 196$

$196 \times 5 + 5^2 = 980 + 25$

$= \boxed{1005}$

---

29. 11 23 47 95 191 ?

(1) 253

(2) 323

(3) 368

(4) 383

(5) 392

Solution:4

(4) The pattern is :

$11 \times 2 + 1 = 22 + 1 = 23$

$23 \times 2 + 1 = 46 + 1 = 47$

$47 \times 2 + 1 = 94 + 1 = 95$

$95 \times 2 + 1 = 190 + 1 = 191$

$191 \times 2 + 1 = 382 + 1$

$= \boxed{383}$

---

30. A, B and C started a business together. The respective ratio of investment of A and B was 7:9 and that of B and C was 18:11. All of them invested for equal period of time. If the total profit earned by them was Rs. 15,050. what was C's share of profit?

(1) Rs. 3,850

(2) Rs. 4,350

(3) Rs. 4,150

(4) Rs. 3,700

(5) Rs. 3,650

Solution:1

(1) A : B = 7 : 9 = 14 : 18
B : C = 18 : 11
Ratio of the investments of A,
B and C
= 14 : 18 : 11
Sum of ratios = 14 + 18 + 11
= 43

∴ C's share = $\frac{11}{43}$ × 15050

= Rs. 3850

31. The average of five consecutive odd numbers is 95. What is the fourth number in the descending order?

(1) 91

(2) 95

(3) 99

(4) 97

(5) 93

Solution:5
(5) Third odd number = 95
∴ Numbers ⟹ 99 > 97 > 95 > 93
> 91

32. 1414 pens were distributed equally among students of class VII, VIII, IX and X. Each class consisted of equal number of students. If each stuedent got 6 pens and 94 pens remained undistributed, how many students were there in each class ?

(1) 48

(2) 58

(3) 60

(4) 62

(5) 55

Solution:5
(5) Let the number of students
in each class = x.
According to the question,
$4x \times 6 + 94 = 1414$
⟹ $24x = 1414 - 94 = 1320$

⟹ $x = \frac{1320}{24} = 55$

Direction (33-37) : *Read the following table carefully to answer the given*

Number of mobile phones of five different brands sold by five different stores in January 2014

questions.

Mobile brand / Store	Nexus	Sony	Samsung	Moto G	HTC
A	1520	1240	1450	1380	1410
B	1630	1100	1340	1540	1820
C	1730	1690	1520	1480	1840
D	1550	1650	1740	1820	1490
E	1840	1460	1620	1390	1180

33. The number of Samsung mobile phones store by stror D is by what percent more than the number of mobile phones of same brand sold by store A ?

(1) 10

(2) 22

(3) 20

(4) 15

(5) 16

Solution:3

(3) Required percentage increase

$$= \frac{1740 - 1450}{1450} \times 100$$

$$= \frac{2900}{145} = 20$$

34. What is the average number of HTC mobile phones sold by stores B, C and D ?

(1) 1750.67

(2) 1700.50

(3) 1720.57

(4) 1716.67

(5) 1725.56

Solution:4

(4) Required average

$$= \frac{1820 + 1840 + 1490}{3}$$

$$= \frac{5150}{3} = 1716.67$$

35. The number of Sony mobile phones sold by store C is **approximately** what percent of the total number of Sony mobile phones sold by all the five stores together ?

    (1) 24.55

    (2) 25.57

    (3) 21.56

    (4) 23.67

    (5) 26.67

    Solution:4

    (4) Total number of sony mobile phones sold
    = 1240 + 1100 + 1690 + 1650 + 1460 = 7140
    ∴ Required percent

    $$= \frac{1690}{7140} \times 100 = 23.67$$

36. What is the difference between the total number of Nexus mobile phones sold by stores A and E together and the total number of Samsung mobile phones sold by the same stores together ?

    (1) 300

    (2) 340

    (3) 280

    (4) 330

    (5) 290

    Solution:5

    (5) Required percent
    = (1520 + 1840) − (1450 + 1620)
    = 3360 − 3070 = 290

37. What is the respective ratio between total number of HTC mobile phones sold by stores B and C together and the total number of Moto G mobile phones sold by the same stores together ?

    (1) $\dfrac{185}{157}$

    (2) $\dfrac{175}{161}$

    (3) $\dfrac{183}{151}$

4) $\dfrac{167}{153}$

(5) $\dfrac{192}{157}$

Solution:3

(3) Required ratio = (1820 + 1840) : (1540 + 1480)

= 3660 : 3020 = 183 : 151

---

38. The difference of two two-digit numbers is 18. Four times the second number is 18 more than thrice the first number. Find sum of both numbers.

(1) 162

(2) 165

(3) 89

(4) 48

(5) 118

Solution:1

(1) Let the numbers be x and y where $x > y$.

$\therefore x - y = 18$ ....(i)

and $4y - 3x = 18$

$\Rightarrow 4y - 3(18 + y) = 18$

[From equation (i)]

$\Rightarrow 4y - 54 - 3y = 18$

$\Rightarrow y = 54 + 18 = 72$

$\therefore x = 18 + y = 18 + 72 = 90$

$\therefore x + y = 90 + 72 = 162$

---

39. A covers a distance of 360 km in 8 hrs. B covers the same distance in 6 hrs. What is the respective ratio between the speeds of the A and B ?

(1) 3 : 5

(2) 3 : 4

(3) 1 : 2

(4) 4 : 5

(5) 2 : 3

Solution:2

(2) Speed = $\dfrac{\text{Distance}}{\text{Time}}$

$\therefore$ Required ratio = $\dfrac{360}{8} : \dfrac{360}{6}$

= 45 : 60 = 3 : 4

40. The compound interest accrued in 2 years on a principal of Rs. 15,800 is Rs. 7716.72. What is the rate of interest p.c.p.a. ?

   (1) 22

   (2) 16

   (3) 18

   (4) 20

   (5) 25

   Solution:1

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

   Amount = 15800 + 7716.72
   = Rs. 23516.72

   $\therefore 23516.72 = 15800\left(1 + \dfrac{R}{100}\right)^2$

   $\Rightarrow \dfrac{2351672}{1580000} = \left(1 + \dfrac{R}{100}\right)^2$

   $\Rightarrow \dfrac{14884}{10000} = \left(1 + \dfrac{R}{100}\right)^2$

   $\Rightarrow \left(1 + \dfrac{R}{100}\right)^2 = \left(\dfrac{122}{100}\right)^2$

   $\Rightarrow 1 + \dfrac{R}{100} = \dfrac{122}{100}$

   $\Rightarrow \dfrac{R}{100} = \dfrac{122}{100} - 1$

   $\Rightarrow \dfrac{R}{100} = \dfrac{22}{100} \Rightarrow R = 22\%$

REASONING

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

M β D Q € 3 R Ω & N 4 @ 2 L % 6 $ A 5 W © X 8 U C 9 * 7 # E + Z

1. How many such letters are there in the given arrangement, each of which is immediately followed by an odd number and also immediately preceded by a consonant?
   (1) One
   (2) Three
   (3) None
   (4) Two
   (5) More than three

   Solution:3

Consonant	Letter	Odd Number

   There is no such combination.

2. How many such symbols are there in the given arrangement each of which is immediately followed by a letter and also immediately preceded by a number?
   (1) Two
   (2) Three
   (3) More than three
   (4) None
   (5) One

   Solution:1
   (1)

Number	Symbol	Letter

   Such combinations are :

   | 6 $ A | ; | 7 # E |

3. If all the symbols are dropped from the given arrangement then which will be thirteenth element from the right end of the given arrangement ?
   (1) 2
   (2) 5
   (3) N

(4) 6

(5) L

Solution:5

(5) According to question, the new sequence would be :

M D Q 3 R N 4 2 [L] 6 A 5 W X 8 U C 9 7 E Z

↑ _____|

13th from right

---

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

MDQ R&N 2%6 5©X ?

(1) C * #

(2) 9 7 #

(3) U 9 *

(4) C * 7

(5) C 9 *

Solution:4

$$M \xrightarrow{+6} R \xrightarrow{+6} 2 \xrightarrow{+6} 5 \xrightarrow{+6} \boxed{C}$$
$$D \xrightarrow{+6} \& \xrightarrow{+6} \% \xrightarrow{+6} © \xrightarrow{+6} \boxed{*}$$
$$Q \xrightarrow{+6} N \xrightarrow{+6} 6 \xrightarrow{+6} X \xrightarrow{+6} \boxed{7}$$

---

5. Which of the following is eleventh element to the left of the tenth element from the right end of the given arrangement?

(1) 4

(2) @

(3) L

(4) Ω

(5) R

Solution:2

(2) 11th to the left of 10th element from the right end means 21st element form the right end, i.e., @.

---

6. If each vowel in the word DONATES is changed to next letter in the English alphabetical series and each consonant is changed to previous letter in the English

alphabetical series and then all alphabets in the word thus formed are arranged in alphabetical order (from left to right), which of the following will be second from the right end of the new arrangement thus formed?

(1) M

(2) R

(3) P

(4) F

(5) S

Solution:2

D	O	N	A	T	E	S
$-1\downarrow$	$+1\downarrow$	$-1\downarrow$	$+1\downarrow$	$-1\downarrow$	$+1\downarrow$	$-1\downarrow$
C	P	M	B	S	F	R

Alphabetical order of new letters

B C F M P [R] S

2nd from right

Directions (7 – 11) : *In these questions two or three statements followed by two conclusions numbered I and II have been given. You have to take the given statements to be true even if they seem to be at variance from the commonly known facts and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.*

7. **Statements :**

All harmoniums are instruments.

All instruments are flutes.

Conclusions :

I. All flutes are instruments.

II. All harmoniums are flutes.

(1) Either Conclusion I or H follows

(2) Neither Conclusion I nor H follows

(3) Both Conclusions I and II follow

(4) Only Conclusion I follows

(5) Olnly Conclusion II follows

Solution:5

(7-11) :
(i) All cups are books → Universal Affirmative (A-type).
(ii) Some mountains are rivers → Particular Affirmative (I-type).
(iii) No cot is lamp → Universal Negative (E-type).
(iv) Some cots are not lamps → Particular Negative (O-type).

7. (5)

All harmoniums are instruments.

All instruments are flutes.

A + A ⇒ A-type of Conclusion
"All harmoniums are flutes."
This is Conclusion II.

8. **Statements :**
All cups are books.
All books are shirts.
Conclusions
I. Some cups are not shirts.
II. Some shirts are cups.
(1) Either Conclusion I or II follows
(2) Neither Conclusion I nor II follows
(3) Both Conclusions I and II follow
(4) Only Conclusion I follows
(5) Olnly Conclusion II follows

Solution:5
8. (5)

All cups are books.

All books are shirts.

A + A ⇒ A-type of Conclusion
"All cups are shirts."
Conclusion II is Converse of it.

9. **Statements :**
Some mountains are hillocks.
Some mountains are rivers.
Some mountains are valleys.

Conclusions :

I. All mountains are either hillocks or rivers or valleys.

II. No valley is rivers.

(1) Either Conclusion I or II follows

(2) Neither Conclusion I nor II follows

(3) Both Conclusions I and II follow

(4) Only Conclusion I follows

(5) Olnly Conclusion II follows

Solution:2
(2) All the three Premises are Particular Affirmatice (I-type).
No Conclusion follows from the two Particular Premises.

10. **Statements :**

Some tapes are discs.

Some discs are cassettes.

All cassettes are songs.

Conclusions :

I. Some songs are discs.

II. Some cassettes are tapes.

(1) Either conclusion i or II follows

(2) Neither Conclusion I nor II follows

(3) Both Conclusions I and II follow

(4) Only Conclusion I follows

(5) Olnly Conclusion II follows

Solution:4
(4)

Some discs are cassettes.

All cassettes are songs.

I + A ⇒ I- type of Conclusion
"Some discs are songs."
Conclusion I is Converse of it.

11. **Statements :**

All benches are cots.

No cot is lamp.

Some lamps are candles.

Conclusions :

I. Some cots are benches.

II. No lamp is bench.

(1) Either Conclusion I or II follows

(2) Neither Conclusion I nor II follows

(3) Both Conclusions I and II follow

(4) Only Conclusion I follows

(5) Olnly Conclusion II follows

Solution:3

(3)

All benches are cots.

No cot is lamp.

A + E ⟹ E- type of Conclusion
"No bench is lamp."
Conclusion II is Converse of it.
Conclusion I is Converse of the
first Premise.

Directions (12-14) : *Study the following information carefully and answer the questions given below :* Among five bags – M, N. 0, P and Q – each has a different weight. 0 is lighter than only three other bags. M is heavier than Q but lighter than P. P is not the heaviest.

12. Who amongst the following is third heaviest ?

    (1) M

    (2) P

    (3) Either M or N

    (4) N

    (5) Cannot be determined

Solution:1

(12–14) :

☐ . ☐ . ☐ > 0 > ☐

P > M > Q
P is not the heaviest.
Therefore, N is the heaviest.
N > P > M > O > Q

(1) M is the third heaviest.

---

13. Which of the following is the lightest?

    (1) P

    (2) O

    (3) Q

    (4) N

    (5) Cannot be determined

    > *Solution:3*
    >
    > **(3) Q is the lightest.**

14. Who among the following is the heaviest?

    (I) M

    (2) N

    (3) O

    (4) P

    (5) Q

    > *Solution:2*
    >
    > **(2) N is the heaviest.**

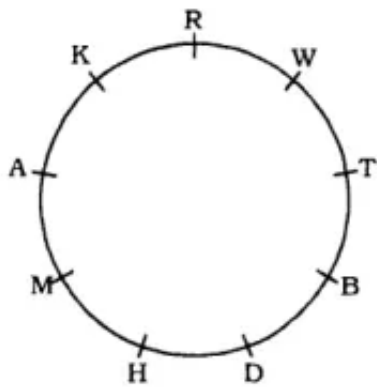**Directions (15 – 20) :** *Study the following information carefully and answer the questions given below :*

Nine persons – B, M, K, H, T, R, D, W and A are sitting around a circle facing at the centre. R is third to the right of B. H is second to the right of A who is second to the right of R K is third to the right of T who is not an immediate neighbour of H. D is second to the left of T. M is fourth to the right of W.

15. Who among the following are the immediate neighbours of B ?

    (I) T, H

    (2) D, W

    (3) W, T

    (4) D, T

    (5) D, H

    > *Solution:4*

(15-20) :

(4) D and T are immediate neighbours of B

16. Who is to the immediate left of W?

(1) R

(2) T

(3) B

(4) M

(5) None of these

Solution:2

(2) T is to the immediate left of W.

17. Who is third to the left of M ?

(1) B

(2) W

(3) K

(4) T

(5) None of these

Solution:5

(5) R is third to the left of M.

18. Who is third to the left of H ?

(1) A

(2) T

(3) K

(4) R

(5) None of these

> *Solution:3*
> (3) K is third to the left of H.

19. Who is to the immediate left of D ?
    (1) H
    (2) M
    (3) B
    (4) T
    (5) None of these

    > *Solution:1*
    > (1) H is to the immediate left of D.

20. In which of the following combinations is the third person sitting in between the first and the second persons ?
    (1) W T R
    (2) B D T
    (3) M H D
    (4) K A M
    (5) W K R

    > *Solution:5*
    > (5) R is sitting between W and K.

Directions (21-25) : *In each of these questions, a relationship between different elements is shown in the statements. The statements are followed by Conclusions numbered I and II. Study the conclusions based on the given statement and select the appropriate answer.*

21. **Statement :**
    A > L = T < R ≤ H > K
    Conclusion I : H > L
    Conclusion II : K > T
    (1) Either Conclusion I or II is true
    (2) Neither Conclusion I nor II true
    (3) Both Conclusions I and II are true
    (4) Only Conclusion I is true
    (5) Only Conclusion II is true

Solution:4
(4) A > L = T < R ≤ H > K
Conclusions
I. H > L : True
II. K > T : Not True

---

22. **Statement :**

F ≤ C ≤ V = Z < X = U

Conclusion I : V < U

Conclusion II : Z < F

(1) Either Conclusion I or II is true

(2) Neither Conclusion I nor II true

(3) Both Conclusions I and II are true

(4) Only Conclusion I is true

(5) Only Conclusion II is true

Solution:4
(4) F ≤ C ≤ V = Z < X = U
Conclusions
I. V < U : True
II. Z < F : Not True

---

23. **Statement :**

R = S ≥ Y ≥ M< W > O

Conclusion I : Y < M

Conclusion II : O > S

(1) Either Conclusion I or II is true

(2) Neither Conclusion I nor II true

(3) Both Conclusions I and II are true

(4) Only Conclusion I is true

(5) Only Conclusion II is true

Solution:2
(2) R = S ≥ Y ≥ M < W > O
Conclusions
I. Y < M : Not True
II. O > S : Not True

---

24. **Statements :**

P > Q ; R > P ; R ≥ O

Conclusion I : Q > R

Conclusion II : Q < R

(1) Either Conclusion I or II is true

(2) Neither Conclusion I nor II true

(3) Both Conclusions I and II are true

(4) Only Conclusion I is true

(5) Only Conclusion II is true

Solution:5

(5) P > Q

P < R

R ≥ O

O ≤ R > P > Q

Conclusions

I.   Q > R : Not True

II.   Q < R : True

---

25. **Statements :** P ≤ Q ; T = R ; R >P

Conclusion I : T ≤ Q

Conclusion II : T > P

(1) Either Conclusion I or II is true

(2) Neither Conclusion I nor II true

(3) Both Conclusions I and II are true

(4) Only Conclusion I is true

(5) Only Conclusion II is true

Solution:5

(5) P ≤ Q

T = R > P

T = R > P ≤ Q

Conclusions

I.   T ≤ Q : Not True

II.   T > P : True

Directions (26 – 31) : *Study the following information carefully and answer the questions given below :* Eight friends- J, K, L, M, N, 0, P and Q – live on eight different floors of a building but not necessarily in the same order. The lower most floor of the building is numbered one, the one above that is numbered two and so on until the topmost floor is numbered eight. J lives on floor numbered four. Only

two people live between J and O. Only one person lives between O and L. M lives immediately above Q. M lives on an even numbered floor. Only one person lives between Q and N. Only one person lives between M and K.

26. Four of the following five are alike as per the given arrangement and thus form a group. Which of the following does not belong to that group?
    (1) NQ
    (2) OJ
    (3) PN
    (4) KL
    (5) MN

Solution:1
(26 – 31) :

Floor Number	Person	Alphabetical Order
8	M	Q
7	Q	P
6	K	O
5	N	N
4	J	M
3	L	L
2	P	K
1	O	J

(1) Except NQ, in all other pairs, two persons live between these persons.

27. What is the position of M?
    (1) M lives on the fifth floor
    (2) M lives on sixth floor
    (3) M lives on second floor
    (4) M lives on topmost floor
    (5) M lives on fourth floor

Solution:4
(4) M lives on topmost floor.

28. Who amongst the following lives exactly in the middle of the friends who lives fifth from the bottom and second from the top?
    (1) Q
    (2) K

(3) L

(4) N

(5) M

Solution:2

(2) Fifth from the bottom ⟹ N

Second from the top ⟹ Q

K lives between Q and N.

---

29. Which of the following statements is true regarding N?

(1) N lives on sixth numbered floor

(2) Only two persons live between N and L

(3) Only two persons live between N and M

(4) N lives on fifth from the topmost floor

(5) Q is an immediate neighbour of N

Solution:3

(3) N lives on fifth numbered floor.

Only one person lives between N and L.

N lives on fourth numbered floor from the topmost floor.

K and J are immediate neighbours of N.

---

30. If all the given persons are made to live in an alphabetical order form bottom to top, the positions of how many of them will remain unchanged?

(1) Three

(2) None

(3) Two

(4) One

(5) Four

Solution:3

(3) The positions of L and N will remain unchanged.

---

31. How many persons live between J and L?

(1) Three

(2) Two

(3) One

(4) Four

(5) None

> *Solution:5*
> (5) J lives immediately above L.

32. B is the father of Q. B has only two children. Q is the brother of R. R is the daughter of P. A is the granddaughter of P. S is the father of A. How is S related to Q?

(1) Son

(2) Son-in-law

(3) Brother

(4) Brother-in-law

(5) None of these

> *Solution:4*
> (4) B is father of Q and R.
> P is the mother of Q and R.
> A is the niece of Q.
> S is the father of A.
> Therefore, S is the brother-in-law of Q.

Directions (33 -37) : *Study the following information carefully and answer the questions given below :*In a certain code,

"new banking systems" is written as "ss tp na"

"officer in uniform" is written as "or mu at"

"new bank officer" is written as "or bk na"

"systems in bank" is written as "bk at ss"

33. What does the code "bk" stand for ?

(1) new

(2) systems

(3) officer

(4) in

(5) None of these

> *Solution:5*

(33 – 37) : (new)   banking   [systems]   ⟶   [ss]   tp   (na)

⟨officer⟩   △in   uniform   ⟶   ⟨or⟩   mu   △at

(new)   bank   ⟨officer⟩   ⟶   ⟨or⟩   bk   (na)

[systems]   △in   bank   ⟶   bk   △at   [ss]

(5) bk ⇒ bank

---

34. What will the code "ss mu" stand for ?
    (1) banking officer
    (2) new uniform
    (3) uniform banking
    (4) uniform systems
    (5) in systems

    > *Solution:4*
    > (4) ss ⇒ systems
    > mu ⇒ uniform

---

35. How will "new officer" be coded ?
    (1) or na
    (2) tp na
    (3) na at
    (4) tp or
    (5) ss at

    > *Solution:1*
    > (1) new ⇒ na
    > officer ⇒ or

---

36. How will "bank officer in uniform" be coded ?
    (1) ss na at or
    (2) bk at or mu
    (3) ss na bk at
    (4) at mu ss or
    (5) bk ss mu na

    > *Solution:2*

(2) bank ⟹ bk
officer ⟹ or
in ⟹ at
uniform ⟹ mu

37. What is the code for "in" ?

  (1) ss

  (2) or

  (3) at

  (4) mu

  (5) None of these

  Solution:3
  (3) in ⟹ at

Directions (38 – 40) : *Following questions are based on the five three-digit numbers given below:*549   369   827   453   968

38. What will be the largest number when the positions of the first and the second digit within each of the given numbers are interchanged?

  (1) 549

  (2) 369

  (3) 453

  (4) 827

  (5) 968

  Solution:5
  (5)   549 ⟹ 459
        369 ⟹ 639
        827 ⟹ 287
        453 ⟹ 543
        968 ⟹ 698
  Largest number ⟹ 698 ⟹ 968

39. What will be the sum of the first and the last digit of the smallest number if the positions of the first and the last digit within each of the given numbers is interchanged ?

  (1) 14

  (2) 12

(3) 15

(4) 7

(5) 17

Solution:4

(4) 549 ⟹ 945

369 ⟹ 963

827 ⟹ 728

453 ⟹ 354

968 ⟹ 869

Smallest number ⟹ 354

Required sum ⟹ 3 + 4 = 7

---

40. Which of the following will be the second digit of the second lowest number when 7 is added to each of the given five numbers ?

(1) 6

(2) 7

(3) 3

(4) 8

(5) 5

Solution:1

(1) 549 + 7 = 556

369 + 7 = 376

827 + 7 = 834

453 + 7 = 460

968 + 7 = 975

Second lowest number ⟹ 460

Second digit of 460 ⟹ 6