GENERAL AWARENESS

1. Which among the following activities can not be considered a common activity of a general Bank customer ?
   (1) use of tele-banking
   (2) use of ATMs
   (3) Start of EFT facility
   (4) Use of Banker's cheque
   (5) increase or decrease in PLR and announcement of credit policy

   Solution:5

2. Who amongst the following is the author of the book "The Future of Freedom" published recently ?
   (1) Peter Hudson
   (2) Richard Wolfee
   (3) Tamara Lipper
   (4) Fareed Zakaria
   (5) None of these

   Solution:4

3. Indian Constitution has given some liberties to its citizens. Which of the following is NOT TRUE about it. Citizen is free to the liberty of –
   (1) his expression and speech
   (2) to gather peacefully without arms
   (3) to purchase land and property in any part of the country
   (4) to do business in any trade in the list prepared by Indian Government
   (5) to form associations or unions

   Solution:4

4. According to "India Vision 2020", India is trying to give full employment till 2020. Then how many employments should be created every year ?
   (1) One million
   (2) Two million
   (3) Five million

(4) Ten million

(5) None of these

> **Solution:3**

5. High rates of interest in a low inflation regime –

   (1) attract people to make more and more investments

   (2) discourage people to make an investment

   (3) create atmosphere for capital formation A.

   (4) are not favourable for credit expansion

   (5) None of these C.

   > **Solution:2**

6. For the distinguished work in which field 'Kalidas Sarrunan' is presented?

   (1) Games and Sports

   (2) Science and Technology

   (3) Music 10.

   (4) Social Service

   (5) None of these

   > **Solution:5**

7. Cash Reserve Ratio (CRR) has been raised recently by Reserve Bank of India (RBI). What is the rule of CRR in the country's economy especially in Banking Sector

   A. It helps to control the inflation

   B. It plays a great role in Banking Sector

   C. It plays a great role for Banks in the Interest rates

   (1) Only A

   (2) Only B 12.

   (3) Only A and B

   (4) Only C

   (5) All A B and C

   > **Solution:5**

8. A resident Indian wishes to invest some money in a foreign company who does not have any office/representative in India. What are the options available to him/her ? Pick up the best option.

   A. Open a foreign currency account in a bank in that country.

   B. Send the money to some one known to him/her in that country.

   C. Open account in a foreign bank in India whose branch is in that country.

   (1) Only A (2) Only B

(3) Only A and C

(4) Only A and B

(5) None of these

Solution:4

9. What are the options available to a foreign bank willing to enter the Indian Market ?

A. Open a branch in India.

B.Launch a wholly-owned subsidiary.

C. Acquire upto 90 per cent stake in a private sector bank.

(1) Only A

(2) Only B

(3) Only A and C

(4) Only A and B

(5) None of these

Solution:4

10. As per the reports published in the newspapers the E-Commerce is growing very fast. Which of the following is most preferred ? (Pick up the area which is attracting maximum clientele.)

(1) Travel & Ticket

(2) Gifts

(3) Jobsites

(4) Books

(5) None of these

Solution:3

11. Which of the following sectors is NOT considered 'Infrastructure Sector' ?

(1) Software

(2) Cement

(3) Petroleum

(4) Steel

(5) Power generation

Solution:1

12. Which among the following terms is not related to Banking ?

(1) Cash Reserve Ratio

(2) Currency Exchange

(3) Zero Hour

(4) Bank Rate

(5) Repo Rate

> **Solution:3**

13. Formation of several Advisory Committees of the Parliament was in the news recently, Who among the following forms the Advisory Committees ?
(1) Speaker of the Lok Sabha
(2) Vice-President of India
(3) Minister of Parliamentary Affairs
(4) President of India
(5) None of these

> **Solution:1**

14. Which among the following is an international river ?
(1) Brahmaputra
(2) Cauvery
(3) Krishna
(4) Narmada
(5) Mahanadi

> **Solution:1**

15. The 'Maiti Movement' a movement to promote the habit of cultivation, is initiated by the women folk of
(1) Uttarakhand
(2) Himachal Pradesh
(3) Uttar Pradesh
(4) Punjab
(5) West Bengal

> **Solution:2**

16. Which of the following is considered one of the major reasons of Global Warming or heating of Earth's surface which is at increase these days?
(1) Distance between the Sun and Earth has reduced by about 45,0001(ms. in the last 1000 years.
(2) A big unidentified celestial object is approaching Earth very fast. The radiation from it is making the Earth's surface warmer
(3) Carbon pollution from fossil fuels traps the Sun's heat instead of letting it radiate back safely out into space
(4) Sun has become slightly cooler by several degrees centrigrade and is not able to reabsorb the heat radiation back as it used to do earlier
(5) None of these

> **Solution:3**

17. As per the reports published in the newspapers the average Price to Earnings (P/E) Ratio has fallen down in past few days. This implies that
    (1) investors are willing to pay much less for equity now
    (2) investors are willing to pay more for equity now
    (3) investors are not in mood to invest in equity now
    (4) investors want to withdraw their investment in equity with immediate effect
    (5) None of these

> **Solution:1**

18. Which of the following organiations/banks has created a Rs. 50,000/- crores Rural Development Fund known as Lok Nayak Jayaprakash Narayan Fund ?
    (1) State Bank of India
    (2) ICICI Bank
    (3) NABARD
    (4) SIDBI
    (5) UTI

> **Solution:4**

19. At which place representatives of around 50 countries met in November 2007 to revive the Israel-Palestinian peace process and deal with other sources of tension in West Asia?
    (1) Helsinki
    (2) Annapolis
    (3) Sichuan
    (4) Berne
    (5) None of these

> **Solution:2**

20. Who among the following was made the chairman of the newly constituted 13th Finance Commission recently?
    (1) Kanialesh Shanna
    (2) M Sundaram
    (3) Vijay L Kelkar
    (4) Arun Bhatnagar
    (5) None of these

> **Solution:3**

21. Ms. Zhang Zilin was crowned Miss World 2007 in December 2007 in the beauty

pageant held in Sanya. Mr. Zilin is native of

(1) Angola

(2) Mexico

(3) Philippines

(4) Ecuador

(5) China

Solution:5

22. The pilot and commander of B29 that dropped the atomic bomb on Hiroshima, Japan during Second World War died recently in USA. He was

(1) Paul Tibbets

(2) Joseph Stewart

(3) Robert Maxwell

(4) Brad Wilkinson

(5) None of these

Solution:1

23. Danilo Turk defeated his rival former Prime Minister Lojze Peterle in the elections held recently to become the third President of which country ?

(1) Venezuela

(2) Slovenia

(3) Chile

(4) Bolivia

(5) Taiwan

Solution:2

24. India won the kabaddi gold in the Asian Indoor Games held in Macau in November 2007 defeating

(1) Iran

(2) Bangladesh

(3) Sri Lanka

(4) Pakistan

(5) None of these

Solution:4

25. Who among the following was the chief guest at the Republic Day celebrations in January 2008 at New Delhi ?

(1) Saudi King Abdullah

(2) John Howard

(3) Nicholas Sarkozy

(4) Vladimir Putin

(5) None of these

> **Solution:3**

26. Which of the following film was adjudged the best film at the 18th Stockholm International
    Film Festival in November 2007 ?
    (1) 4 Months 3 Weeks and 2 Days
    (2) Expired
    (3) Taxi Driver
    (4) American Gigolo
    (5) None of these

    > **Solution:1**

27. Who among the following is the author of the book titled The Age of Turbulence :
    Adventure in a New World' ?
    (1) Vaclay Havel
    (2) Ismat Chugtai
    (3) Phillips Talbot
    (4) Allan Greenspan
    (5) None of these

    > **Solution:4**

28. Consider the following statements about the 'World Energy Outlook 2007' released
    recently ?
    A. Consumption of coal in India as a generator of energy will nearly triple by 2030.
    B. Before 2050, India will overtake Japan as the world's third largest net importer
    of oil, after the US and China
    C. By 2015, India will become the third largest emitter of carbon dioxide.
    Which of the above statements is/are correct ?
    (1) Only A and C
    (2) Only B and C
    (3) Only A and B
    (4) Only C
    (5) All A, B and C

    > **Solution:5**

29. India occupies the 128th place in the Human Development Index rankings which
    was released in November 2007 in New Delhi. What the position of India in the
    HDI rankings in 2000 ?

(1) 128th

(2) 134th

(3) 124th

(4) 136th

(5) 126th

> **Solution:1**

30. Roger Federer of Switzerland was named the ITF World Champion for 2007 recently, becoming only the second player to win the honour for four straight years. The first player to accomplish this feat was

    (1) Pete Sampras

    (2) Ivan Lendl

    (3) Mats Wilander

    (4) Boris Becker

    (5) None of these

    > **Solution:1**

31. The 4400 year old Chinese city, the capital of China's oldest Liangzhu culture, was dug up by archaeologists recently. It is located in the province of

    (1) Xiang

    (2) Shandong

    (3) Sichuan

    (4) Zhejiang

    (5) None of these

    > **Solution:4**

32. Which of the following car companies in India announced a special savings scheme 'Happy Customer Offer' recently ?

    (1) Hindustan Motors

    (2) Maruti Suzuki

    (3) Skoda

    (4) Ford

    (5) None of these

    > **Solution:2**

33. KV Kamath was named 'Businessman of the Year 2007' by Forbes Asia recently. He is associated with which of the following business establishments ?

    (1) Satyam Computers

    (2) ICICI Bank

    (3) HDFC Bank

(4) Maruti Suzuki

(5) None of these

> **Solution:2**

34. The five day exerciese codenamed 'Hand-in-Hand 2007 the first ever Sino-India joint military exercise held recently at

    (1) Jaisalmer

    (2) Kunming

    (3) Leipiz

    (4) Hubiz

    (5) None of these

> **Solution:2**

35. In which of the following countries people voted in first ever democratic elections recently ?

    (1) Congo

    (2) Slovenia

    (3) Bhutan

    (4) Nepal

    (5) None of these

> **Solution:3**

36. Services beat Punjab at the 58th National basketball championship in Puducherry recently to lift the Todd Memorial Trophy for the.............time.

    (1) 28th

    (2) 30th

    (3) 29th

    (4) 26th

    (5) 27th

> **Solution:1**

37. The scientists of which of the following universities have identified silenced genes which play a profound role in people's health ?

    (1) Manchester University

    (2) Leicestor University

    (3) Duke University

    (4) Houston University

    (5) None of these

> **Solution:3**

38. Recently a comprehensive scheme for the prevention of trafficking and rescue, rehabilitation and reintegration of the victims of the commercial sex exploitation was drafted by the Union Women and Child Development Ministry. The scheme has been named

(1) Swapna

(2) Laadli

(3) Kanchan

(4) Ujjawala

(5) None of these

> **Solution:4**

39. The Hindu Rights Action Force (Hindraf) was in news recently. In which of the following countries it is active ?

(1) Malaysia

(2) Nepal

(3) Sudan

(4) Fiji

(5) None of these

> **Solution:1**

40. Which of the following Indian Oil exploration companies became the only Indian company to enter the list of world's most admired firms compiled by the Fortune magazine and global consultancy firm Hay Group ?

(1) Oil India Limited

(2) Indian Oil Corporation

(3) Hindustan Petroleum

(4) Oil and Natural Gas Corporation

(5) Bharat Petroleum

> **Solution:4**

GENERAL ENGLISH

Directions (1-15) : Read the following passage carefully and answer the questions given below it. Certain words/expressions are given in bold in the passage to help you locate them while answering some of the questions.

Radically changing monsoon patterns, reduction in the winter rice harvest and a quantum increase in respiratory diseases-all part of the environmental doomsday scenario which is reportedly playing out in South Asia. According to a United Nations Environment Programme report, a deadly three-km deep blantant of pollution comprising a fearsome cocktail of ash, acids, aerosols and other particles has enveloped this region. For India, already struggling to cope with a drought. the implications of this are devastating and further crop failure will amount to a life and death question for many Indians. The increase in premature deaths will have adverse social and economic consequences and a rise in morbidities will place an unbearable burden on our crumbling health system And there is no one to blame but ourselves. Both official and corporate India has always been **allergic** to any mention of clean technology. Most mechanical two wheelers roll off the assembly line without proper pollution control systems. Little effort is made R & D on simple technologies, which could make a vital difference to people's lives and the environment.

However, while there is no denying that South Asia must clean up its act, skeptics might questions the timing of the haze report. The Johannesburg meet on Rio+ 10 is just two weeks away and the state is set for the usual battle between the developing world and the West, particularly the U. S. President Mr. Bush has adamantly refused to sign any protocol, which would mean a change in American consumption U. N. environment report will likely find a place in the U. S. arsenal as it points an accusing finger countries like India and China. Yet the U.S. can hardly deny its own **dubious** role in the matter of erasing trading quotas. Richer countries can simply buy up excess credits from poorer countries and continue to pollute. Rather than try to get the better of developing countries, who undoubtedly, have taken up environmental shortcuts in their bid to catch up with the West, the U. S. should take a look at the environment **profligacy**, which is going on within. From opening up virgin territories for oil exploration to relaxing the standards for drinking water, Mr. Bush's policies are not exactly beneficial-not even to Americans we realize that we are all in this together and that pollution anywhere should be a global concern only be more tunnels at the end of the tunnel.

1. Both official and corporate India is allergic to
   (1) failure of monsoon
   (2) poverty and inequality
   (3) slowdown in industrial product

(4) mention of clean technology

(5) crop failure

> **Solution:4**

2. Which, according to the passage, is a life and death question to many Indians ?
   (1) Increase in respiratory diseases
   (2) Use of clean technology
   (3) Thick blanket of pollution over the region
   (4) Failure in crops
   (5) Dwindling agricultural yield

   > **Solution:4**

3. If the rate of premature deaths increases it will—
   (1) exert added burden on our crumbling economy.
   (2) have adverse social and economic consequences.
   (3) make positive effect on our efforts to control population
   (4) have lessjob aspirants in the society
   (5) have healthy effect on our economy

   > **Solution:2**

4. Choose the word which is **SIMILAR** in meaning to the word '**profligacy**' as used in the passage.
   (1) wastefulness
   (2) conservation
   (3) upliftment
   (4) criticalness
   (5) denouncement

   > **Solution:1**

5. According to the passage, India cannot tolerate any further—
   (1) crop failure
   (2) deterioration of health care system
   (3) increase in respiratory diseases
   (4) proliferation of nuclear devises
   (5) social and economic consequences

   > **Solution:1**

6. According to the passage, two wheeler industry is not adequately concerned about
   ....
   (1) passenger safety on the roads

(2) life cover insurance of the vehicle owners

(3) pollution control systems in the vehicles

(4) rising cost of the two wheelers

(5) rising cost of the petrol in the country

| Solution:3 |

7. What could be the reason behind timing of the haze report just before the Johannesburg meet, as indicated in the passage ?

(1) United Nations is working hand-in-glove with the U.S.

(2) Organizers of the forthcoming meet to teach a lesson to the U.S.

(3) Drawing attentions of the world towards devastating effects of environmental degradation.

(4) U.S. wants to use it as a handle against the developing countries in the forthcoming meet

(5) The meet is a part of political agenda of the U. N.

| Solution:4 |

8. Choose the word which is **SIMILAR** in meaning to the word '**allergic**' as used in the passage.

(1) liking

(2) passionate

(3) possessive

(4) crumbling

(5) repugnant.

| Solution:5 |

9. Which of the following is the indication of environmental degradation in South Asia ?

(1) Social and economic inequality

(2) Crumbling health care system

(3) Inadequate pollution control system

(4) Over mphasis on technology

(5) Radically changing monsoon pattern

| Solution:5 |

10. What:must we realize, according to the passage ?

(1) No country should show superiority over other countries.

(2) U. N. is putting in hard efforts in the direction of pollution control

(3) All countries must join hands in fighting pollution

(4) Nobody should travel through tunnel to avoid health hazards

(5) We all must strive hard to increase agricultural production

> **Solution:3**

11. Which of the following finds place in the United Nations Environment Programme Report

    (1) Changing monsoon patterns

    (2) Substantial increase in respiratory diseases

    (3) A serious cover of pollution over the region

    (4) Reduction in winter rice harvest

    (5) None of these

> **Solution:3**

12. Which of the following statements is **NOT TRUE** in the context of the passage ?

    (1) U. N. environment report blames countries like India and China.

    (2) Developing countries have taken environmental shortcuts in their bid to catch up with west.

    (3) U. S. is also to be blamed for environmental degradation and pollution.

    (4) Indians cannot afford to have any further crop failure

    (5) U. S. has tightened safety standards for drinking water.

> **Solution:5**

13. According to the passage, Johannesburg meet is going to witness

    (1) calm and dispassionate thinking on the issue of pollution control.

    (2) a blaming game between developed and developing countries

    (3) refusal of U. N. to work as arbitrator

    (4) U. S. agreeing to look at the issue of lowering its consumption

    (5) countries agreeing for higher monetary allocation to R & D.

> **Solution:2**

14. Choose the word which is **MOST OPPOSITE** in meaning to the word '**dubious**' as used in the passage ?

    (1) unquestionable

    (2) dissimilar

    (3) illegal

    (4) antisocial

    (5) innovative

> **Solution:1**

15. Choose the word which is **MOST OPPOSITE** in meaning to the word '**morbidity**' as used in the passage.

(1) powerfulness

(2) healthiness

(3) softness

(4) acuteness

(5) purposeful

> **Solution:2**

Directions (16-25) : Read each of the following sentences to find out whether there is any error in it. The error, if any, will be in one pan of the sentence. The number of that part is the answer. If there is no error, the answer is (5). (Ignore errors of punctuation, if any).

16. This facts make it very clear (1) / that he had a hand in the murder (2) / though he still (3) / pleads innocence. (4) / No error (5)

> **Solution:1**

17. A nationwide survey (1) / has brought out an (2) / interesting finding (3) / regarding infant mortality rate in India. (4) / No error (5)

> **Solution:4**

18. Gangotri has a special significance (1) / for the devout (2) / as it is considered as (3) / the abode of king Bhagirath who bought the Ganga down to the earth. (4) / No error (5)

> **Solution:4**

19. The recent study has (1) / indicated that there (2) / is perceptible change in (3) / the attitudes of the people. (4) / No error (5)

> **Solution:3**

20. The disclosure of (1) / the synopsis of Thakkar Commission report (2) / on the assassination of Mrs. Indira Gandhi (3) / has raised several vital questions. (4) / No error (5)

> **Solution:2**

21. He did not go (1) / to the city on foot, (2) / he go there (3) / by train. (4) / No error (5)

> **Solution:3**

22. It being a rainy day (1) / we will decide not to go out (2) / but' to stay at home (3)

/ and watch a movie. (4) / No error (5)

> **Solution:2**

23. By all standards (1) / he is the best soldier (2) / our military school (3) / will produce so far. (4) / No error (5)

> **Solution:4**

24. As I was reach (1) / early I left in an aeroplane (2) / instead of (3) / going by train. (4) / No error (5)

> **Solution:1**

25. On my request (1) / Lalit introduced me (2) / to his friend (3) / who is singer and a scientist. (4) / No error (5)

> **Solution:4**

Directions (26-30) : Which of the following phrases at (1). (2), (3) and (4) given below should replace the phrase given in bold in the following sentence to make the sentence grammatically meaningful and correct. If the sentence is correct as it is and No correction is required', mark (5) as the answer.

26. If the evidence **bear out** the charge, he may be sentenced to death.
    (1) bears out
    (2) bore out
    (3) was born out
    (4) has borne out
    (5) No correction required

> **Solution:1**

27. He has **to liaise direct** with the police while writing the report.
    (1) liaised direct
    (2) to liaise directly
    (3) to liaise direct
    (4) to liaise directed
    (5) No correction required

> **Solution:2**

28. The rise in unemployment **is parallel** by an increase in petty crime.
    (1) was parallel by
    (2) will be parallel by

(3) is paralleled by

(4) is paralleled with

(5) No correction required

> **Solution:3**

29. He has a chance **redeem him** after last week's mistake.

    (1) to redeem him

    (2) to redeem

    (3) redeem himself

    (4) to redeem himself

    (5) No Correction required

    > **Solution:4**

30. We shall eat **some now and save some** for tomorrow.

    (1) now some and save some

    (2) now some and some save

    (3) some and save

    (4) some now or save some

    (5) No correction required

    > **Solution:5**

Directions (31-35) : In each question below, four words which are numbered (1), (2) (3) and (4) have been printed of which one may be wrongly spelt. The number of that word is the answer. If all the four words are correctly spelt mark (5) i.e. 'All correct' as the answer.

31. (1) Reverance

    (2) Heavenly

    (3) Elsewhere

    (4) Celebrate

    (5) All correct

    > **Solution:1**

32. (1) Admirable

    (2) Mingle

    (3) Instinctively

    (4) Accomplishment

    (5) All correct

    > **Solution:5**

33. (1) Opportunity
    (2) Lethargy
    (3) Procrastination
    (4) Berevement
    (5) All correct

    > **Solution:4**

34. (1) Discouraged
    (2) Proceeding
    (3) Disastarous
    (4) Innocent
    (5) All correct

    > **Solution:3**

35. (1) Friendship
    (2) Soldiar
    (3) Grandeur
    (4) Familiar
    (5) All correct

    > **Solution:2**

Directions (36-40) : In each of the following questions there is a sentence with a pair of blank spaces, followed by five pair of words. Choose the pair that can fill up the blanks in the same order. The number of that pair is your answer.

36. Handicrafts constitute an important........ of the decentralised sector of India's economy and
    ....employment to over six million artisans.
    (1) factors – aims
    (2) extension – plans
    (3) segment – provides
    (4) supplier – gives
    (5) period – projects

    > **Solution:3**

37. Among a number of hobbies that one.............. can , the hobby of reading is the most useful and ....
    (1) develops – accumulative
    (2) cultivates – enlightened

(3) nourish – cumulative

(4) absorbs – durable

(5) considers – appreciative

> **Solution:3**

38. The quality of ....between individuals and the organisation for which they work can ....be to the benefit of both the parties.

    (1) services – evaluated

    (2) interaction – improved

    (3) sophistication – developed

    (4) work – appreciated

    (5) life – con cenceptualized

    > **Solution:2**

39. Part of the confusion in our societies......... from our pursuit of efficiency and economic growth, in the.............. that these are the necessary ingredients of progress.

    (1) stems – conviction

    (2) derives – evaluation

    (3) emerges – consideration

    (4) obtains – exploration

    (5) extends – planning

    > **Solution:3**

40. The problem of housing shortage.............with the population explosion has also been............. by this policy.

    (1) coped-highlighted

    (2) dispensed – acknowledged

    (3) compounded – addressed

    (4) threatened – manifested

    (5) projected – discussed

    > **Solution:3**

MARKETING APTITUDE / COMPUTER KNOWLEDGE

1. Marketing is
   (1) Consumer oriented
   (2) Competitors oriented
   (3) Producer oriented
   (4) Both (1) and (2)
   (5) Both (2) and (3)

   > **Solution:4**

2. Warehousing Management does not include
   (1) Space determination
   (2) Stock layout
   (3) Stock design
   (4) Stock placement
   (5) Order picking procedure

   > **Solution:5**

3. A marketing technique where marketer plays a specific role in a particular segment is called
   (1) Mass marketing
   (2) Niche marketing
   (3) Strategic marketing
   (4) Modelling
   (5) Communication marketing

   > **Solution:2**

4. In the case of such goods where consumer normally compares price, quality delivery etc are called
   (1) Shopping goods
   (2) Speciality goods
   (3) Staple goods
   (4) Derived demand
   (5) Luxury goods

   > **Solution:1**

5. Which among the following is not an example of convenience goods ?
   (1) Tea

(2) Coffee

(3) Soap

(4) Tooth paste

(5) Umbrella in rainy season

> **Solution:5**

6. Vegetable market in India is nearly an example of

   (1) Perfect Competition

   (2) Monopoly

   (3) Oligopoly

   (4) Imperfect Competition

   (5) High Monoposory

   > **Solution:1**

7. In Marketing Mix 4 P's imply

   (1) Product, Price, Place, Promotion

   (2) Product, Price, Policy, Place

   (3) Product, Place, Promotion, Policy

   (4) Place, People, Product, Policy

   (5) Promotion, Product, Price, People

   > **Solution:1**

8. A bed in a hotel for night haulting is an example of

   (1) Core Product

   (2) Augmented Product

   (3) Expected Product

   (4) Potential Product

   (5) Main Product

   > **Solution:1**

9. Marketing Planning helps in

   (1) avoiding future uncertainties

   (2) achieving objectives

   (3) control

   (4) complete satisfaction

   (5) All of the above

   > **Solution:5**

10. Which among the following is not a tool for Marketing Planning appraisal ?

    (1) External appraisal

(2) Internal appraisal

(3) Gap analysis

(4) SWOT analysis

(5) PCOT analysis

> **Solution:5**

11. In market segmentation, which among the following is not an Economic Component ?

    (1) Age

    (2) Sex

    (3) Both (1) and (2)

    (4) Income level

    (5) Taxes

> **Solution:3**

12. A defence strategy of identifying weakness in the competitor and aggressively going after that market niche is called

    (1) Pre-emptive

    (2) Counter offensive

    (3) Mobile defence

    (4) Position defence

    (5) Flanking defence

> **Solution:2**

13. When a firm sells off part of its business to another organisation, it is called

    (1) Diversification

    (2) Divestment

    (3) Pruning

    (4) Strategy

    (5) Joint venture

> **Solution:2**

14. The research which is basically concerned with establishing cause and effect relationship, is called

    (1) Diversified Research

    (2) Technical Research

    (3) Casual Research

    (4) Predictive Research

    (5) Exploratory Research

> **Solution:3**

15. ACE provides door-to-door service for Godrej and McDonald products, it is an example of
    (1) Third Party delivery
    (2) First Party delivery
    (3) Multi-Channel delivery
    (4) Diversified Marketing
    (5) Horizontal Marketing

    Solution:1

16. The goods which are used for further production are called
    (1) Durable goods
    (2) Market goods
    (3) Derived goods
    (4) Consumer goods
    (5) Capital goods

    Solution:5

17. Which among the following a fixed expense in Sales Budget ?
    (1) Incentives
    (2) Rent
    (3) Communication Expense
    (4) Commission
    (5) Awards

    Solution:2

18. Which among the following is a feature of good forecasting method ?
    (1) Accuracy
    (2) Simplicity
    (3) Economy
    (4) Availability
    (5) All of the above

    Solution:5

19. A person who ultimately determines any part or whole of the buying decision is called
    (1) Decider
    (2) Buyer
    (3) User
    (4) Influencer
    (5) Initiator

20. A package which has a secondary usefulness after its contents have been consumed, is called
    (1) Dual use Package
    (2) Bulk Package .
    (3) Both (1) and (2)
    (4) Consumer Package
    (5) Industrial Package

    Solution:1

21. The hardware device that acts as both a switching and connecting unit is called a(n)
    (1) RS-232 C Port
    (2) Concentrator
    (3) Multiplexer
    (4) Communication processor
    (5) None of these

    Solution:3

22. The device that assembles groups of characters into complete messages prior to their entering the CPU is called
    (1) An Interpreter
    (2) A Compiler
    (3) A Communication processor
    (4) An Editor
    (5) A Translator

    Solution:3

23. Application software
    (1) is used to control the operating system
    (2) is designed to help programmers
    (3) performs specific task for computer users
    (4) is used for making design only
    (5) All of the above

    Solution:3

24. Data structure includes
    (1) Array
    (2) Execution statement

(3) Interaction

(4) Both (2) and (3)

(5) List

> **Solution:1**

25. What is namq of the logic circuit which can add two binary digits

    (1) half adder

    (2) full adder

    (3) parallel adder

    (4) serial adder

    (5) None of these

    > **Solution:1**

26. A program embedded in a semiconductor chip during their manufacture is called

    (1) humanware

    (2) firmware

    (3) liveware

    (4) hardware

    (5) software

    > **Solution:2**

27. The person contributing the idea of the stored program was

    (1) John Neumann

    (2) Charles Babbage

    (3) Howard Aiken

    (4) Daniel Thomas

    (5) Dennis Ritenie

    > **Solution:1**

28. A collection of related fields in data organisation is called

    (1) Group

    (2) File

    (3) Information

    (4) Register

    (5) Record

    > **Solution:4**

29. Plotter accuracy is measured in terms of repeatability and

    (1) Vertical dimension

    (2) Intelligence

(3) Resolution

(4) Pixels

(5) Buffer size

> **Solution:5**

30. The speed at which the monitor accepts data is called

    (1) Bandwidth

    (2) Interlacing

    (3) Response time

    (4) Scanning

    (5) Maximum speed

    > **Solution:1**

31. The dbase III plus is mostly used for

    (1) Office automation

    (2) Database management problems

    (3) Scientific problems

    (4) Calculations only

    (5) None of these

    > **Solution:2**

32. In the "C" language the function scant ( ) reads

    (1) single character

    (2) character and strings

    (3) any possible number

    (4) any possible variable type

    (5) limited variable types

    > **Solution:4**

33. BIOS stands for

    (1) Basic Input Output Service

    (2) Basic Inner Outer Services

    (3) Better Input Output Services

    (4) Better Inner and Outer Services

    (5) None of these

    > **Solution:1**

34. A commonly used graphic format for the web is

    (1) GIF

    (2) bmp

(3) text

(4) Imp

(5) TIF

> **Solution:1**

35. The HTML code written in a text editor to make web-pages, is
    (1) HTML coding tags
    (2) Source code
    (3) source element
    (4) tags
    (5) None of these

> **Solution:2**

36. The basic building block of a database that contains related records is
    (1) Query
    (2) Form
    (3) Table
    (4) Edited Page
    (5) Report

> **Solution:5**

37. A set of rules that computer on a network use to communicate with each other are called
    (1) Rules
    (2) Regulations
    (3) Protocol
    (4) Netiquettes
    (5) None of these

> **Solution:3**

38. The process of connecting to the Internet account is
    (1) LOG IN
    (2) LOG OUT
    (3) SIGN IN
    (4) SIGN OUT
    (5) None of these

> **Solution:1**

39. An image editing software in which we can draw and edit images, is
    (1) PageMaker

(2) MS-Paint

(3) Photo Image

(4) Front page

(5) Core! Draw

> **Solution:5**

40. Which out of the following is not a DBMS software ?

    (1) dBASE

    (2) FOXPRO

    (3) ORACLE

    (4) SyBase

    (5) Data base 2000

    > **Solution:5**

QUANTITATIVE APTITUDE

Directions (1-10) : What will come in place of the question mark (?) in the following questions ?

1. $8\dfrac{1}{4} + \dfrac{6}{5}$ of 60% of $\dfrac{6}{5} = 15 - ?$

   (1) 5.55
   (2) 6.27
   (3) 6.03
   (4) 6.13
   (5) None of these

   Solution:3

   (3) $? = 15 - \dfrac{33}{4} - 60\%$ of $\dfrac{6}{5}$

   $= \left(\dfrac{60-33}{4}\right) - \dfrac{6}{5} \times \dfrac{60}{100}$

   $= \dfrac{27}{4} - \dfrac{18}{25} = \dfrac{675-72}{100} = \dfrac{603}{100} = 6.03$

2. $7275.84 - 889.4 + 124.518 = ?$
   (1) 6550.202
   (2) 6560.598
   (3) 6550.958
   (4) 6510.958
   (5) None of these

   Solution:4

   (4) $? = 7275.84 + 124.518 - 889.4$
   $= 7400.358 - 889.4 = 6510.958$

3. $\dfrac{12^2 - 4^2}{9^2 - 3^2} = ?$

   (1) $1\dfrac{7}{9}$

   (2) $1\dfrac{8}{9}$

   (3) $1\dfrac{1}{3}$

   (4) 9

(5) None of these

Solution:1

(1) $? = \dfrac{(12+4)(12-4)}{(9+3)(9-3)} = \dfrac{16 \times 8}{12 \times 6}$

$= \dfrac{16}{9} = 1\dfrac{7}{9}$

---

4. $18800 \div 470 \div 20 = ?$
   (1) 800
   (2) 2
   (3) 23.5
   (4) 0.10
   (5) None of these

Solution:2

(2) $? = \dfrac{18800}{470} \div 20$

$= 40 \div 20 = 2$

---

5. $\sqrt{?} + 136 = \dfrac{5}{8}$ of 320

(1) 1936

(2) 4624

(3) 4196

(4) 4096

(5) None of these

Solution:4

(4) $\sqrt{?} + 136 = 320 \times \dfrac{5}{8}$

$\Rightarrow \sqrt{?} + 136 = 200$

$\Rightarrow \sqrt{?} = 200 - 136 = 64$

$\Rightarrow ? = 64 \times 64 = 4096$

---

6. 777.07 + 77.77 + 0.77 + 7.07 + 7 +77 = ?

(1) 946.78

(2) 946.68

(3) 964.68

(4) 946.86

(5) None of these

Solution:2

(2) 946.68

---

7. 0.04 × ? = 0.000016

(1) 4

(2) 0.04

(3) 0.0004

(4) 400

(5) None of these

Solution:3

(3) $? = \dfrac{0.000016}{0.04} = 0.0004$

8. 35% of 160 + 2% of 180 = 50% of 310

   (1) 35

   (2) 45

   (3) 65

   (4) 55

   (5) None of these

   Solution:4

   (4) $160 \times \dfrac{35}{100} + \dfrac{180 \times ?}{100} = \dfrac{310 \times 50}{100}$

   $\Rightarrow 160 \times 35 + 180 \times ?$
   $= 310 \times 50$

   $\Rightarrow 5600 + 180 \times ? = 15500$

   $\Rightarrow 180 \times ? = 15500 - 5600$
   $\qquad\qquad\qquad = 9900$

   $\Rightarrow ? = \dfrac{9900}{180} = 55$

9. $4^7 + 16^4 \times \sqrt{16} = ?$

   (1) $\dfrac{1}{16}$

   (2) $\dfrac{1}{4}$

   (3) 4

   (4) 1

   (5) None of these

   Solution:4

   (4) $? = 4^7 \div (4^2)^4 \times 4 \ = \dfrac{4^7}{4^8} \times 4 = 1$

10. $0.99 \times 14 + 11 \div 0.7 = ?$

(1) 18
(2) 180
(3) 1.8
(4) 1800
(5) None of these

Solution:3

(3) ? = 0.99 × 14 ÷ 11 ÷ 0.7

$$\simeq \frac{0.99 \times 14}{11 \times 0.7} = \frac{99 \times 14}{11 \times 70} \simeq \frac{9}{5} \simeq 1.8$$

Directions (11-15) : Read the following information carefully to answer these questions. These statistical data were collected in the year 2005.
Hamirpur in Gujarat is a small township with a population of 75000. 40% of the population belongs to the above 35 age category. The ratio of males to females is 1 : 1.5. Past records indicate that the population in Hamirpur grows at an annual rate of 7%. The total cultivable area in Hamirpur is 2 lakh acres. Paddy is the major crop of Hamirpur and has shown average productivity levels of 2.5 tonnes per acre. Hamirpur receives about 10 inches of rainfall in a normal monsoon year.

11. The number of people in Hamirpur below the age of 35 is
    (1) 41000
    (2) 42000
    (3) 45000
    (4) 43000
    (5) 44000

Solution:3

(3) Population of Hamirpur
= 75000
∴ Population below the age of 35

$$= \frac{60}{100} \times 75000 = 45000$$

12. The number of males in Hamirpur is greater/lesser than the number of females by
    (1) Lesser by 15000

(2) Greater by 15000

(3) Greater by 10000

(4) Lesser by 10000

(5) None of these

Solution:1

(1)   Males : Females = 1 : 1.5

∴   1 xx + 1.5x = 75000

⇒ 2.5x = 75000

∴ $x = \dfrac{75000}{2.5} = 30000$

∴   Number of males = 30000

Number of females = 1.5 × 30000

= 450000

∴   Number of males is lesser than that of females by 15000.

13. If the ratio of males to females in 2006 remains the same as that in 2005, then the number of males in 2006 would be

(1) 30600

(2) 32100

(3) 31500

(4) 32700

(5) 33000

Solution:2

(2) Population of Hamirpur in 2006

= 1.07 × 75000 = 80250

∴ 2.5x = 80250

Males : Females = 1 : 1.5

∴ $x = \dfrac{80250}{2.5} = 32100$

∴ Number of males in 2006

= 32100

14. What would be the population of Hamirpur in 2007 ?

(I) 85000

(2) 84750

(3) 83900

(4) 85870

(5) 86850

Solution:4

(4) From question 93,

Population in 2006 = 80250

∴ At an annual growth rate of 7%, population in 2007

= 1.07 × 80250 = 85868

15. If in 2005, only 60% of the average productivity were attained, then the total paddy production of Hamirpur would be

(1) 2.6 lakh tonnes

(2) 3.0 Iakh tonnes

(3) 2.8 lakh tonnes

(4) 3.3 Iakh tonnes

(5) 3.6 lakh tonnes

Solution:2

(2)

$$Productivity = \frac{Paddy\ production\ in\ tonnes}{Total\ cultivable\ area}$$

Average productivity of Hamirpur

= 2.5 tonnes per acre

∴ 60% of average productivity

= 0.6 × 2.5 = 1.5 tonnes/acre

∴ Total paddy production

= 1.5 tonnes/acre × 2 lakh acres

= 3.0 lakh tonnes

Directions (16-20) : In the following number series, a wrong number is given. Find out that wrong number.

16. 2 11 38 197 1172 8227 65806

    (1) 11

    (2) 38

    (3) 197

    (4) 1172

    (5) 8227

> **Solution:4**
>
> (4) The series is based on the following pattern :
>
> $2 \times 3 + 5 = 11$
>
> $11 \times 4 - 6 = 38$
>
> $38 \times 5 + 7 = 197$
>
> $197 \times 6 - 8 \neq 1172$ but 1174
>
> Clearly, 1172 is the wrong number and it should be replaced by 1174.

17. 16 19 21 30 46 71 107

    (1) 19

    (2) 21

    (3) 30

    (4) 46

    (5) 71

> **Solution:1**
>
> (1) The series is based on the following pattern :
>
> $107 - 71 = 36 = 6^2$
>
> $71 - 46 = 25 = 5^2$
>
> $46 - 30 = 16 = 4^2$
>
> $30 - 21 = 9 = 3^2$
>
> $21 - 19 = 2 \neq 2^2$
>
> but, $21 - 17 = 4 = 2^2$
>
> Clearly, 19 should be replaced by 17.

18. 7 9 16 25 41 68 107 173
    (1) 107
    (2) 16
    (3) 41
    (4) 68
    (5) 25

> **Solution:4**
>
> (4) The series is based on the fol-
> lowing pattern :
> 7 + 9 = 16
> 9 + 16 = 25
> 16 + 25 = 41
> 25 + 41 = ≠ 66 but 66
> Clearly, 68 should be replaced by
> 66.

19. 4 2 1.5 1.75 1.875
    (1) 118.125
    (2) 26.25
    (3) 3.5
    (4) 2
    (5) 7.5

> **Solution:3**
> (3) The series is based on the fol-
> lowing pattern :
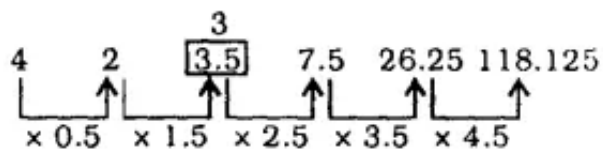
> Clearly, 3.5 should be replaced by 3.

20. 16 4 2 1.5 1.75 1.875
    (1) 1.875
    (2) 1.75

(3) 1.5

(4) 2

(5) 4

Solution:2

(2) The series is based on the following pattern :

$$16 \quad 4 \quad 2 \quad 1.5 \quad \boxed{1.75}^{1.5} \quad 1.875$$

$$\times 0.25 \quad \times 0.50 \quad \times 0.75 \quad \times 1 \quad \times 1.25$$
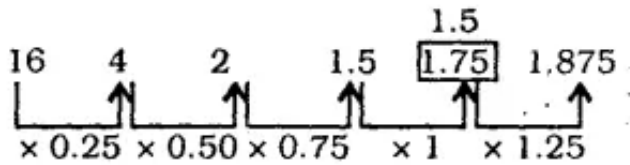
Clearly, 1.75 should be replaced by 1.5.

Directions (21-25) : Find out the approximate value which should replace the question mark (?) in the following questions. (You are not expected to find out the exact value)

21. $95^{3.7} \div 95^{0.9989} = 95^{?}$

(1) 1.9

(2) 3

(3) 2.99

(4) 3.6

(5) 2.7

Solution:5

$(5) \Rightarrow 95^{?} = 95^{3.7} \div 35^{1.0}$

$\Rightarrow 95^{?} = 95^{3.7} = 95^{2.7} \Rightarrow ? = 2.7$

---

22. $\sqrt{1000} + \dfrac{3.001}{4.987}$ of $1891.992 = ?$

(1) 2500

(2) 1230

(3) 1640

(4) 1525

(5) 2130

Solution:2

$$(2) \; ? = \sqrt{10000} + \frac{3}{5} \times 1892$$

$$= 100 + 1135.2 = 1235.2 \approx 1230$$

23. $0.0004 \div 0.0001 \times 36.000009 = ?$

    (1) 0.10

    (2) 1.45

    (3) 145

    (4) 14.5

    (5) 1450

Solution:3

$$(3) \; ? \approx \frac{0.0004}{0.0001} \times 36 = 4 \times 36$$

$$= 144 \approx 145$$

24. 137% of $12345 = ?$

    (1) 17000

    (2) 15000

    (3) 1500

    (4) 14300

    (5) 900

Solution:1

(1) $? \approx 140\%$ of 12300

$$= \frac{140 \times 12300}{100} = 17220 \approx 17000$$

25. $3739 + 164 \times 27 = ?$

    (1) 105400

    (2) 4000

(3) 8200

(4) 690

(5) 6300

> **Solution:3**
>
> (3) ? ≈ 3739 + 160 × 30
> = 3739 + 4800 = 8539 ≈ 8200

Directions (26-30) : Study the following table to answer the given questions :

Percentage of Marks obtained by Seven students in six Subjects

Subject (Max. Marks) Student	English (60)	History (40)	Computers (130)	Maths (150)	Science (120)	Economics (80)
Meera	100	80	50	90	90	60
Subodh	80	70	80	100	80	40
Kunal	90	70	60	90	70	70
Soni	60	60	65	80	80	80
Richu	50	90	62	80	85	95
Irene	40	60	64	70	65	85
Vijay	80	80	35	65	50	75

26. What are the total marks obtained by Meera in all the subjects?

    (1) 448

    (2) 580

    (3) 470

    (4) 74.67

    (5) None of these

> **Solution:1**

.(1) Marks obtained by Meera in :

English = 60

History $= 40 \times \dfrac{80}{100} = 32$

Computers $= 50 \times \dfrac{130}{100} = 65$

Maths $= \dfrac{90 \times 150}{100} = 135$

Science $= 90 \times \dfrac{120}{100} = 108$

Economics $= \dfrac{60 \times 80}{100} = 48$

∴ Total marks
= 60 + 32 + 65 + 135 + 108 +
48 = 448

---

27. What are the average marks obtained by these seven students in History?
(rounded off to two digits)
(1) 72.86
(2) 27.32
(3) 24.86
(4) 29.14
(5) None of these

Solution:4

(4) Marks obtained in History by :

$$\text{Meera} = \frac{40 \times 80}{100} = 32$$

$$\text{Subodh} = \frac{70 \times 40}{100} = 28$$

$$\text{Kunal} = \frac{70 \times 40}{100} = 28$$

$$\text{Soni} = \frac{60 \times 40}{100} = 24$$

$$\text{Richu} = \frac{90 \times 40}{100} = 36$$

$$\text{Irene} = \frac{60 \times 40}{100} = 24$$

$$\text{Vijay} = \frac{80 \times 40}{100} = 32$$

∴ Required average

$$= \frac{32 + 28 + 28 + 24 + 36 + 24 + 32}{7}$$

$$= \frac{204}{7} = 29.14$$

28. How many students have got 60% or more marks in all the subjects?

(I) One

(2) Two

(3) Three

(4) None

(5) None of these

Solution:2

.(2) Only two students, Kunal and Soni have got 60% or above marks in all subjects.

29. What is the overall percentage of Kunal ?
    (1) 64
    (2) 65
    (3) 75
    (4) 64.24
    (5) None of these

    Solution:3

    .(3) Total marks obtained by Kunal = 54 + 28 + 78 + 135 + 84 + 56 = 435

    Total marks = 60 + 40 + 130 + 150 + 120 + 80 = 580

    ∴ Required percentage

    $= \dfrac{435}{580} \times 100 = 75$

30. In which subject is the overall percentage the best ?
    (1) Maths
    (2) Economics
    (3) History
    (4) Science
    (5) None of these

    Solution:1

    .(1) Maths

31. What approximate value should come in place of (?) in the following equation ?
    $9876 \div 24.96 + 215.005 - ? = 309.99$
    (1) 395
    (2) 295
    (3) 300
    (4) 315
    (5) 310

Solution:3

.(3) $9876 \div 24.96 + 215.006 - ?$

$= 309.99$

$\Rightarrow ? = 9876 \div 24.96 + 215.005 - 309.99$

Approximatig the terms to the nearest values, we have

$? = 9900 \div 25 + 215 - 310$

$= \dfrac{9900}{25} + 215 - 310$

$= 396 + 215 - 310$

$= 396 + 215 - 310 = 310 \approx 300$

32. Average weight of three boys P, T and R is 54 1/3 kgs while the average weight of three boys, T, F and G is 53 kgs. What is the average weight of P, T, R, F and H?
(1) 53.8 kgs
(2) 52.4 kgs
(3) 53.2 kgs
(4) Can't be determined
(5) None of these

Solution:4

(4) Can't be determined

33. Sudhanshu invested Rs. 15,000 at interest 10 p.c.p.a. for one year. If the interest is compounded every six months what amount wit Sudhanshu get at the end of the year ?
(1) Rs. 16,537.50
(2) Rs. 16, 500
(3) Rs. 16, 525.50
(4) Rs. 18,150
(5) None of these

Solution:1

(1) Interest is compounded half yearly.

Hence rate of interest

$$= \frac{10}{2} = 5\%$$

No. of periods = 2

$$\therefore \text{Amount} = 15000\left(1 + \frac{5}{100}\right)^2$$

$$15000 \times \frac{21}{20} \times \frac{21}{20} = \text{Rs. } 16537.50$$

---

34. Ratio of the earnings of A and B is 4 : 7 respectively. If the earnings of A increase by 50% and the earnings of B decrease by 25% the new ratio of their earnings becomes 8 : 7 respectively. What are A's earnings ?
    (1) Rs. 26,000
    (2) Rs. 28, 000
    (3) Rs. 21,000
    (4) Data inadequate
    (5) None of these

    Solution:4

    (4) Let the earnings A and B be Rs. $4x$ and $7x$ respectively. After 50% increase, A's earnings = 150% of $4x$.
    After 25% decrease, B's earning = 75% of $7x$
    Ratio = 150% of $4x$: 75% of $7x$ = 8 : 7
    But their total earnings are unknown. Hence A's earnings can't be known.

---

35. The wheat sold by a grocer contained 10% low quality wheat. What quantity of good quality wheat should be added to 150 kgs of wheat so that the percentage of low quality wheat becomes 5%
    (1) 150 kgs

(2) 135 kgs

(3) 50 kgs

(4) 85 kgs

(5) None of these

Solution:1

.(1) Good quality content in 150 kgs of wheat = 90% of 150 = 135 kg.

In new mixture, low quality of wheat is 5%, so good quality of wheat is 95%.

∴ 5% of the new mixture = 15 kg

∴ New mixture

$$= \frac{15 \times 100}{5} = 300 \text{ kg}$$

∴ Good quality of wheat added = (300 – 150) kg. = 150 kg.

Directions (36-40) : Study the following graph carefully and answer the questions given below it :

Account of income and expenditure (in crores) of seven companies in the year 2007

Percentage profit/loss

$$\frac{\text{Income} - \text{Expenditure}}{\text{Expenditure}} \times 100$$

■ Expenditure
☐ Income
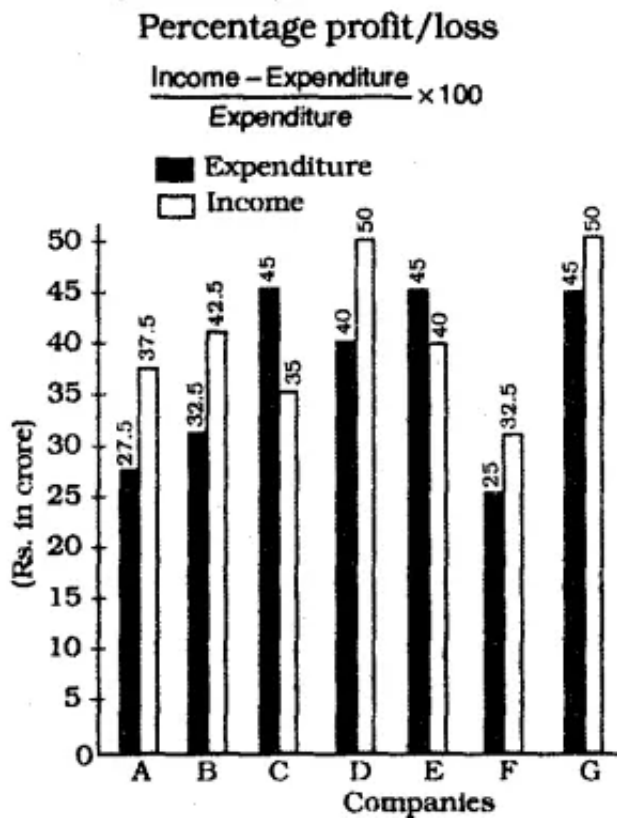
36. Approximately what is the percentage of profit/loss that Companies C and D had together ?

   (1) 10% profit

   (2) 12% profit

   (3) 10% loss

   (4) 12% loss

   (5) There was no loss or profit

   Solution:5

   .(5) Total expenditure of Companies C and D

   = 45 + 40 = Rs. 85 crores

   Total incomes of Companies C and D = (35 + 50) crores

   = Rs. 85 crores

   Clearly, there is no profit or loss.

37. If the income of Company A had increased by 10% in year 2007 from year 2006 and profit earned in 2006 was 20% what was its expenditure in 2006 ? (The value upto two decimal places in crores)

   (1) 36.36

(2) 32.32

(3) 30.30

(4) Can't be determined

(5) None of these

Solution:5

.(5) Income of Company A in 2006

$$= Rs. \frac{100}{110} \times 37.5 \text{ crores}$$

= Rs. 34.09 crores

Let expenditure in 2006 be Rs. x crores

$$\therefore 20 = \frac{34.09 - x}{x} \times 100$$

$$\Rightarrow 0.2x = 34.09 - x$$

$$\Rightarrow x = \frac{34.09}{12} = 28.4 \text{ crores}$$

38. If the expenditure of Company G in 2007 was 20% more than its expenditure in the year 2006 and the Company has earned a profit of 10% in 2006. What was the company income in 2006 in crores Rs. ?

    (1) 37.5

    (2) 41.25

    (3) 34.09

    (4) Cannot be determined

    (5) None of these

    Solution:2

(2) Expenditure of Company G in

$$2006 = \frac{100}{120} \times 45$$

= Rs. 37.5 crores

Let its income in 2006 be I crores

$$\therefore 10 = \frac{I - 37.5}{37.5} \times 100$$

$$\Rightarrow 3.75 = I - 37.5$$

$$\Rightarrow I = 37.5 + 3.75$$

= Rs. 41.25 crores

39. Which of the following Companies had the highest percentage of profit/loss in 2007 ?

(1) B

(2) C

(3) F

(4) A

(5) None of these

Solution:4

(4) For Company B

Profit %

$$= \frac{42.5 - 32.5}{32.5} \times 100$$

$$= \frac{1000}{32.5} = 30.77 \%$$

For Company C

$$\text{Loss \%} = \frac{35 - 45}{45} \times 100$$

= 22.2 %

For Company F

$$\text{Profit \%} = \frac{32.5 - 25}{25} \times 100 = 30 \%$$

For Company A

Profit %

$$= \frac{37.5 - 27.5}{27.5} \times 100 = 36.36 \%$$

40. What is the approximate percentage of profit earned by all the Companies together in 2007 ?

(1) 11

(2) 11.5

(3) 10.5

(4) 12

(5) 12.5

Solution:3

(3) Total expenditure
= 27.5 + 32.5 + 45 + 40 + 45 + 25 + 45 = Rs. 260 crores

Total income
= 37.5 + 42.5 + 35 + 50 + 40 + 32.5 + 50 = Rs. 287.5 crores

∴ Required Profit %

$$= \frac{287.5 - 260}{260} \times 100 = 10.57$$

REASONONING

1. Four of the following five are alike in a certain way and so form a group. Which is the one that does not belong to that group ?
   (1) Bat
   (2) Spider
   (3) Mosquito
   (4) Butterly
   (5) Cockroach

   > **Solution:1**
   >
   > (1) Bat is a mammal.

2. Akshay is 16th from the left end in the row of boys and Vijay is 18th from the right end. Avinash is 11th from Akshay towards the right end and 3rd from Vijay towards the right end. How many boys are there in the row ?
   (1) Data inadequate
   (2) 42
   (3) 40
   (4) 48
   (5) None of these
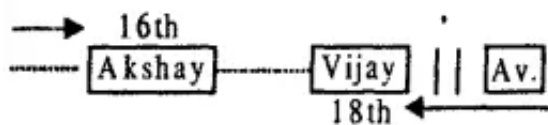
   > **Solution:1**
   >
   > .(1)
   >
   >
   > The position of no one is known from both ends.

3. How many such pairs of letters are there in the word `CHILDREN' each of which has as many letters between them in the word as there are between them in the English alphabet ?
   (1) 3
   (2) 5

(3) 4

(4) 2

(5) None of these

Solution:4

(4)


```
   3  8  9 12 4 18 5 14
   C  H  I  L  D  R E  N
```

---
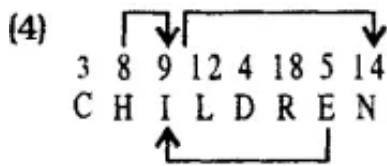
4. Pointing to the lady in the photograph, Mrinalini said, "Her son's father is the only son-in-law of my mother". How is Mrinalini related to the lady ?

(1) Sister

(2) Mother

(3) Cousin

(4) Aunt

(5) None of these

Solution:5

(5) The father of lady's son is the husband of lady and he is the only son-in-law of Mrinalini's mother. Therefore, the photograph is of Mrinalini herself.

---

5. In a certain code 'MOTHER' is written as OMHURF. How will 'ANSWER' be written in that code ?

(1) NBWRRF

(2) MAVSPE

(3) NBWFRD

(4) NBXSSE

(5) None of these

Solution:5

(5) M O T H E R

O M H U R F

Therefore,

A N S W E R

N A W T R F

Directions (6-10) : Study the following information carefully and answer the questions given below :

B, M, T, R, K, H and D are travelling in a train compartment with III-tier sleeper berth. Each of them has a different profession of Engineer, Doctor, Architect, Pharmacist, Lawyer, Journalist and Pathologist. They occupied two lower berths, three middle berths and two upper berths. B, the Engineer is not on the upper berth. The Architect is the only other person who occupies the same type of berth as that of B. M and H are not on the middle berth and their professions are Pathologist and Lawyer respectively. T is a Pharmacist. D is neither a Journalist nor an Architect. K occupies same type of berth as that of the Doctor.

6. What is D's profession ?
   (1) Doctor
   (2) Engineer
   (3) Lawyer
   (4) Pharmacist
   (5) Data inadequate

Solution:1

(126-130) : On the basis of given information we can construct the following table :

Person	Profession	Berth
B	Engineer	Lower
M	Pathologist	Upper
T	Pharmacist	Middle
R	Architect	Lower
K	Journalist	Middle
H	Lawyer	Upper
D	Doctor	Middle

7. Which of the following group occupies middle berth ?

   (1) DKR

   (2) DHT

   (3) HKT

   (4) DKT

   (5) None of these

   > **Solution:3**

8. Which of the following combinations of person-berth-profession is correct ?

   (1) R-Lower-Journalist

   (2) R-Lower-Architect

   (3) D-Upper-Doctor

   (4) K-Upper-Lawyer

   (5) All correct

   > **Solution:2**

9. Which of the following pairs occupy the lower berth ?

   (1) BD

   (2) BK

   (3) BT

   (4) Data inadequate

   (5) None of these

   > **Solution:5**

10. Who is the Architect ?

   (1) D

   (2) H

   (3) R

   (4) Data inadequate

   (5) None of these

   > **Solution:3**

11. If it is possible to make a meaningful word with the third, the fifth, the seventh and the tenth letters of the word 'OUTRAGEOUS', which of the following will be the second letter of that word? It more than one such word can be formed, give 'X as the answer and if no such word can be formed, give 'Y' as the answer.

(1) E

(2) A

(3) S

(4) Y

(5) X

Solution:5

.(5)

```
1 2 |3| 4 |5| 6 |7| 8 9 |10|
O U |T| R |A| G |E| O U |S|
```

Meaningful Words ⇒ EAST, SEAT

12. The positions of the first and the second digits in the number 7986032451 are interchanged. Similarly the positions of the third and fourth digits are interchanged and so on. Which of the following will be the fifth digit from the right end after the rearrangement ?

(1) 3

(2) 6

(3) 4

(4) 0

(5) None of these

Solution:4

(4) New sequence

9 7 6 8 3 |0| 4 2 1 5

↑_____|
5th from right

13. 'GROW is written as ' = @ % # and 'WITHIN' is written '# ÷ + @ ÷ A' in a certain code language. How would 'WING' be written in that code ?

(1) # ÷ Δ =
(2) # % Δ =
(3) % ÷ Δ =
(4) # ÷ © =
(5) None of these

Solution:1

(1)
G	R	O	W		
↓	↓	↓	↓		
=	@	%	#		

W	I	T	H	I	N
↓	↓	↓	↓	↓	↓
#	÷	+	@	%	Δ

Therefore,

W	I	N	G
↓	↓	↓	↓
#	÷	Δ	=

---

14. If the letters of the word 'PRINCE' are rearranged as they appear in the English alphabet, the position of how many letters will remain unchanged after the rearrangement ?
(1) None
(2) One
(3) Two
(4) Three
(5) None of these

Solution:3

(3) Arrangement according to English Alphabet

C	E	I	N	P	R
P	R	I	N	C	E

---

15. If 'A * B' means 'A is father of B', 'A × B' means 'A is mother of A' and 'A # B' means 'A is husband of B' then which of the following means 'P is grandson of Q' ?

(1)Q # R × S * P

(2)Q * N × P # R

(3)Q * L # N × P

(4)P # N × M * Q

(5) None of these

> **Solution:5**
>
> (5) Q # R × S ✶ P
>
> Q is husband of R. R is mother of S. S is father of P.
>
> P is either grandson or grand-daughter of Q.
>
> Q ✶ N × P # R
>
> Q is father of N. N is mother of P. P is husband of R.
>
> P is the son of Q.
>
> Q ✶ L # N × P
>
> Q is father of L. L is husband of N. N is mother of P.
>
> P is either grandson or grand-daughter of Q.
>
> P # N × M ✶ Q
>
> P is husband of N. N is mother of M. M is father of Q.
>
> Q is either grandson or grand-aughter of P.

Directions (16-20) : In the following questions, the symbols @, S. %, @ and # are used with the following meaning as illustrated below :

`P @ Q' means 'P is neither greater than nor equal to Q

'P $ Q' means 'P is not smaller than

'P # Q' means 'P is neither smaller than nor greater than Q'

'P © Q' means 'P is not greater than Q'

'P % Q' means 'P is neither smaller than nor equal to Q'

Now in each of the following questions assuming the given statements to be true, find which of the two conclusions I and Il given below them is/ are **definitely true?**

Give answer (1) if only Conclusion I is true.

Give answer (2) if only Conclusion II is true.

Give answer (3) if either Conclusion I or II is true.

Give answer (4) if neither Conclusion I nor II is true.

Give answer (5) if both Conclusions I and II are true.

16. **Statements** :

J # R, R % K, K @ D

Conclusions :

I. K @ J

II. D @ J

Solution:1

(16-20)

(i) P @ Q $\Rightarrow$ P $\not>$ Q and P $\neq$ Q

Therefore, P < Q

(ii) P \$ Q $\Rightarrow$ P $\not<$ Q

Therefore,

P > Q and P = Q $\Rightarrow$ P $\geq$ Q

(iii) P # Q $\Rightarrow$ P $\not<$ Q and P $\not>$ Q

Therefore, P = Q

(iv) P © Q $\Rightarrow$ P $\not>$ Q

Therefore, P < Q and P = Q

or, P $\leq$ Q

(v) P % Q $\Rightarrow$ P $\not<$ Q and P $\neq$ Q

Therefore, P > Q

@ $\Rightarrow$ <	\$ $\Rightarrow$ $\geq$
# $\Rightarrow$ =	© $\Rightarrow$ $\leq$
% $\Rightarrow$ >	

(16)

.(1)**Statements**

J # R $\Rightarrow$ J = R

R % K $\Rightarrow$ R > K

K @ D $\Rightarrow$ K < D

Therefore,

J = R > K < D

Conclusions

I. K @ J $\Rightarrow$ K < J : True

II. D @ J $\Rightarrow$ D < J : Not True

17. **Statements** :

M © T, K %T, K @ N

Conclusions :

I. N % M

II. K % M

Solution:5

.(5) **Statements**

M © T ⇒ M ≤ T

K % T ⇒ K > T

K @ N ⇒ K < N

Therefore,

M ≤ T < K < N

Conclusions

I. N % M ⇒ N > M : True

II. K % M ⇒ K > M : True

18. **Statements** :

V $ D, D © R, R % F

Conclusions :

I. R % V

II. V @ F

Solution:4

(4) **Statements**

V $ D ⇒ V ≥ D

D © R ⇒ D ≤ R

R % F ⇒ R > F

Therefore,

V ≥ D ≤ R > F

Conclusions

I. R % V ⇒ R > V : Not True

II. V @ F ⇒ V < F : Not True

19. **Statements** :

B @ E, E # S, S $ Z

Conclusions :

I. Z @ E

II. E # Z

Solution:3

(3) **Statements**

B @ E ⇒ B < F

E # S ⇒ E = S

S $ Z ⇒ S ≥ Z

Therefore,

B < E = S ≥ Z

Conclusions

I. Z @ E ⇒ Z < E : Not True

II. E # Z ⇒ E = Z : Not True

Z is either smaller than or equal to E.

20. **Statements** :

H%M, N © M,N $ T

Conclusions :

I. H # T

II. H % T

Solution:2

(2) **Statements**

H % M ⇒ H > M

N © M ⇒ N ≤ M

N $ T ⇒ N ≥ T

Therefore, H > M ≥ N ≥ T

Conclusions

I. H # T ⇒ H = T : Not True

II. H % T ⇒ H > T : True

Directions (21-25) : Answer the questions given below referring to the following arrangement :

J * R 3 P L 2 # I N 7 O C @ K 5 D = M $ 6 B < A Q 4

21. Four of the following live are alike in a certain way as regards their position in the

above arrangement and so form a group. Which is the one that does not belong to that group ?

(1) 2 3 #

(2) o I C

(3) K o 5

(4) # P I

(5) B $ <

> **Solution:5**
>
> .(5) 2 $\xrightarrow{-3}$ 3 $\xrightarrow{+4}$ #
>
> O $\xrightarrow{-3}$ I $\xrightarrow{+4}$ C
>
> K $\xrightarrow{-3}$ O $\xrightarrow{+4}$ 5
>
> # $\xrightarrow{-3}$ P $\xrightarrow{+4}$ I
>
> B $\xrightarrow{-2}$ $ $\xrightarrow{+3}$ <
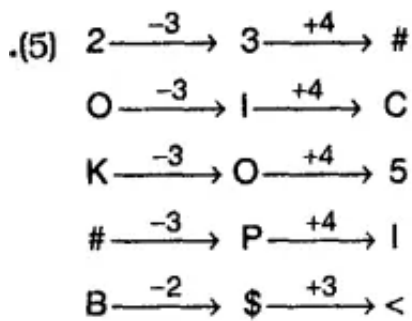
22. What will come in the place of the question mark (?) in the following series based on the above arrangement ?

P R J # L 3 7 I 2 @ O N ?

(1) D K C

(2) 5 @ O

(3) D K @

(4) = 5 @

(5) None of these

> **Solution:1**
>
> (1)
>
> P $\xrightarrow{+3}$ # $\xrightarrow{+3}$ 7 $\xrightarrow{+3}$ @ $\xrightarrow{+3}$ D
>
> R $\xrightarrow{+3}$ L $\xrightarrow{+3}$ I $\xrightarrow{+3}$ O $\xrightarrow{+3}$ K
>
> J $\xrightarrow{+3}$ 3 $\xrightarrow{+3}$ 2 $\xrightarrow{+3}$ N $\xrightarrow{+3}$ C
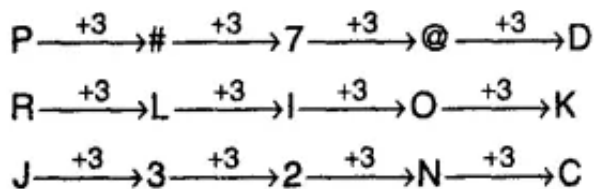
23. If the above series is re-arranged in the reverse order, which will be the eleventh element to the left to the sixteenth element from the left end ?

(1) J

(2) 6

(3) B

(4) <

(5) None of these

> **Solution:3**
>
> (3) 11th to the left of 16th from left means 5th from the left. But the sequence has been reversed. Therefore, required element will be 5th from right in the original sequence.
>
> 5th from right ⟹ B

24. How many such numbers are there in the above arrangement each of which is immediately preceded by a consonant and not immediately followed by a symbol ?

(1) None

(2) Two

(3) Four

(4) Three

(5) None of these

> **Solution:3**
>
> (3) | Consonant | Number | Symbol |
>
> Such combinations are
>
> | RBP |, | N7O |, | K5D |, | Q4 |

25. How many such symbols are there in the above arrangement each of which is immediately preceded by a number and immediately followed a consonant?

(1) One

(2) Two

(3) Three

(4) More than three

(5) None

> **Solution:5**

.(5)

Number	Symbol	Consonant

There is no such combination.

Directions (26-30): In each of the questions below are given three statements followed by four conclusions numbered I, II, III and IV. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.

26. **Statements** :

All flowers are rooms.

Some rooms are windows.

All cards are windows.

Conclusions :

I. Some cards are flowers.

II. Some cards are rooms.

III. Some windows are flowers.

IV. All cards are rooms.

(1) None follows

(2) Only II follows

(3) Only I follows

(4) Only III follows

(5) Only IV follows

Solution:1

(1) **Venn-Diagrams**
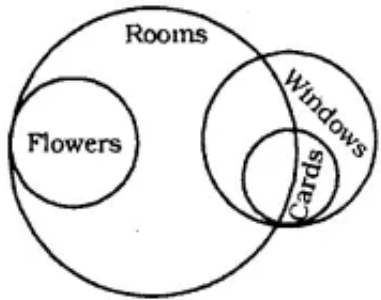
Or
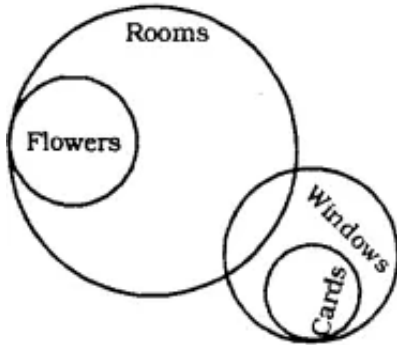
Or
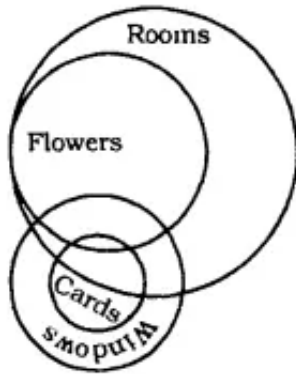
Thus, no Conclusion follows.

27. **Statements**

All males are wolves.

All owls are males.

All parrots are owls.

Conclusions :

I. All wolves Are owls.

II. All owls are wolves.

III. All parrots are wolves.

IV. All parrots are males.

(1) All follow

(2) Only III and IV follow

(3) Only II and III follow

(4) Only II, III and IV follow

(5) None of these

28. **Statements** :

Some leaves are skies.

All skies are clouds.

No cloud is a boat.

Conclusions :

I. Some boats are leaves.

II. Some clouds are leaves.

III. All skies are leaves.

IV. No leaf is a boat.

(1) Only I, II and IV follow

(2) Only II, III and IV follow

(3) Either I or IV and H follow

(4) Either I or IV and III follow

(5) None of these
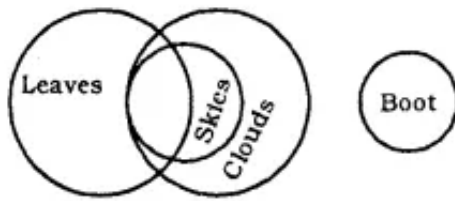
Or
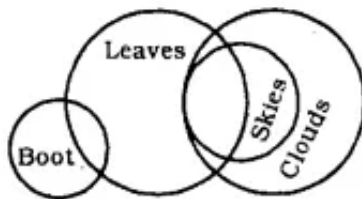
Conclusions:

I. Some boats are leaves : Not True

II. Some clouds are leaves : True

III. All skies are leaves : Not True

IV. No leaf is boat : Not True

Conclusions I and IV form complementary pair. Therefore, either I or IV and II follow.

---

29. **Statements** :

No building is white.

All whites are oranges.

Some oranges are waters.

Conclusions :

I. No building is water.

II. No orange is a building.

III. Some oranges are whites.

IV. Some waters are building.

(1) Either I or IV and II follow

(2) Either I or IV and III follow

(3) Either I or IV follows

(4) None follows

(5) Either I or IV and II and III follow

Solution:2
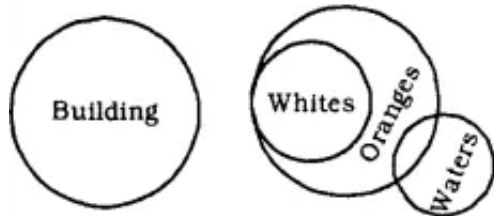
Or,
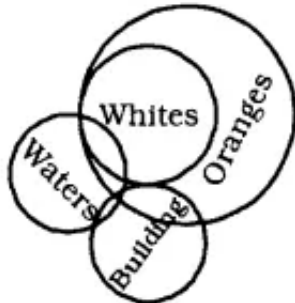
(2)

Conclusions :

I. No building is water : Not True

II. No orange is a building : Not True

III. Some oranges are whites : True

Converse of the Second Premise.

IV. Some waters are buildings : Not True

Conclusions I and IV form Complementary Pair. Therefore, either I or IV follows.

---

30. **Statements** :

Some mangoes are apples.

Some bananas are apples.

Some branches are bananas.

Conclusions :

I. Some mangoes are bananas.

II. Some branches are apples.

III. Some branches are mangoes.

IV. All apples are mangoes.

(1) None follows

(2) Only I and II follow

(3) Only III and IV follow

(4) Only I and IV follow

(5) All follow

Directions (31-35) : Following is given a set of digits and the corresponding letter code of each digit followed by certain conditions for coding.

Digit	2	5	7	8	9	4	6	3	1
Letter Code	M	R	T	B	W	K	D	N	J

In each question one number consisting six digits followed by four combinations of letter codes. You have to find out which of the combination of letter codes represents the set of digits based on the above codes and the conditions given below and mark your answer accordingly. Otherwise give answer (5), i.e., None of these.

Conditions : (I) If both the first and the last digits of the number are odd digits then both are to be coded as I.

(II) If both the first and last digits of the number are even digits then both are to be coded as Y.

31. 726395
    (1) IMDNWI
    (2) YMDNWY,,
    (3) TMDNWR
    (4) IMDNWR
    (5) None of these

32. 263847
    (1) IDNBKI
    (2) YDNBKY

(3) IDNBKY

(4) MDNBKY

(5) None of these

Solution:5

(5)
2	6	3	8	4	7
↓	↓	↓	↓	↓	↓
M	D	N	B	K	T

33. 591248

(1) IWJMKB

(2) RWJMKY

(3) YWJMKY

(4) RWJMKB

(5) None of these

Solution:4

(4)
5	9	1	2	4	8
↓	↓	↓	↓	↓	↓
R	W	J	M	K	B

34. 615824

(1) IJRBMI

(2) IJRBMY

(3) YJRBMY

(4) DJRBMK

(5) None of these

Solution:3

(3)
6	1	5	8	2	4
↓	↓	↓	↓	↓	↓
Y	J	R	B	M	Y

35. 831795
   (1) INJTWR
   (2) BNJTWR
   (3) BNJTWY
   (4) YNJYWY
   (5) None of these

   Solution:2

   (2) 8 3 1 7 9 5
       ↓ ↓ ↓ ↓ ↓ ↓
       B N J T W R

Directions (36-40) : In each of the questions given below which one of the five answer figures should come after the problem figures, if the sequence were continued?
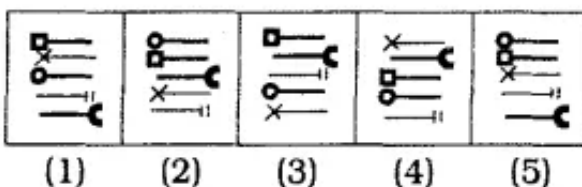
36. **Problem Figures**

Answer Figures

(1)   (2)   (3)   (4)   (5)
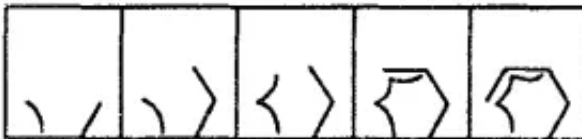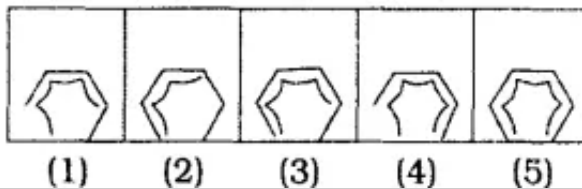
Solution:1

(1) In the subsequent figures one unit of both designs is added alternately upto two figures and in the third step one unit of each design is added.

37. **Problem Figures**

Answer Figures

(1)   (2)   (3)   (4)   (5)
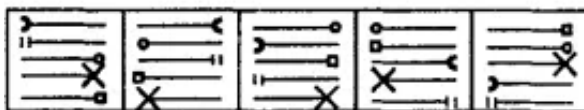
Solution:1
(1) All the designs are inverted in the subsequent figures. In the first step the top design is inverted at its place while two pairs of adjacent designs interchange positions. In the second step the lowermost design is inverted at its place and the other two pairs of adjacent designs interchange positions. These two steps are repeated alternately.
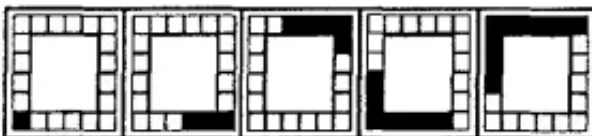
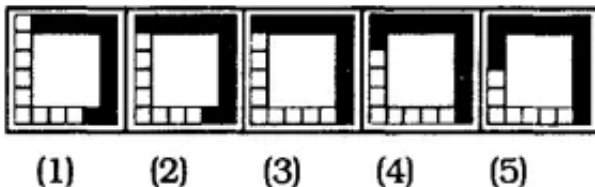38. **Problem Figures**

Answer Figures

(1)　　(2)　　(3)　　(4)　　(5)
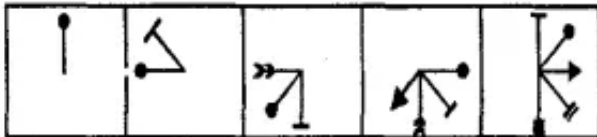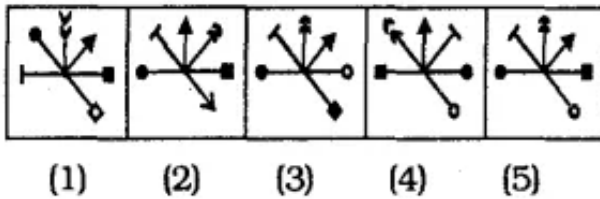
Solution:5
(5) In the first step the existing design rotates through 90° anticlockwise and a new design is added behind the preexisting design. In the second step also the pre-existing designs rotate through 90° anticlockwise and interchange positions while a new design is added behind the pre-existing designs. The same process is continued in the subsequent figures.
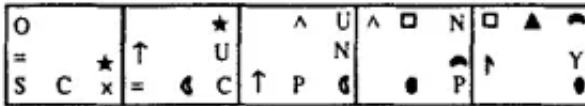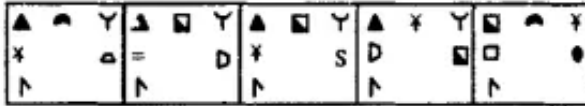
39. **Problem Figures**

Answer Figures

(1)　　(2)　　(3)　　(4)　　(5)

Solution:3
(3) In the subsequent figures the pre-existing shaded portion moves respectively three, four,
five, six, seven blocks
in anticlockwise direction and two more blocks get shaded in each subsequent figure.

40. Problem Figures

Answer Figures

(1) (2) (3) (4) (5)

Solution:4

(4) In each subsequent figure all the designs move half-step in anticlockwise direction and in the first step all the designs at even numbered positions are replaced with new designs and in the second step all the designs at odd numbered positions are replaced with new designs. The same process is continued in the subsequent figures.