1. Setting the stage for an early election, the 13th Lok Sabha was dissolved on
(1) March 22 (2) January 26
(3) February 6 (4) February 26 (5) January 6.
2. The three accused in the case of Beant Singh's murder who escaped from Burail Jail in Chandigarh, do not include.
(a) Joginder Pappi
(b) Jagtar Singh Hawara.
(c) Mehtab Singh
(d) Balwant Singh.
(1) $\mathrm{a}(2) \mathrm{b}$ (3) c (4) a and b (5) a and c .
3. Which cricket player bid farewell to cricket in the start of this year, after playing for nearly 20 years?.
(1) Javed Maindad (2) Anil Kumble
(3) Mathew Hayden.
(4) Steve Waugh
(5) Adam Gilchrist.
4. In the recent peace initiatives between Pakistan and India, which of the following was agreeed to, by A.B. Vajpayee and Jamali
(a) Composite talks to begin on February 16, 2004
(b) Pakistan's yes to pipe line from Iran to India, to pass through their country.
(c) Talks will settle all bilateral issues (including J \& K).
(1) Only a and b (2) Only a and c
(3) Only b. (4) Only b and c (5) All a, b, c.
5. What is the "sleepy hollow" discovered recently?.
(1) a hollow crater on the top of Mt Everest. (2) a shallow bowl on the surface of planet Mars
(3) a camera to probe into the galaxy. (4) a neutron star approaching the earth.
(5) the latest supercomputer in the world.
6. The new variant flu, which has affected nine countries is said to spread from.
(1) horses
(2) cows
7. 'Spoil Yourself" is the popular trade sentence of
.(1) Airtel (2) MTV (3) Tata Indigo.(4) Lancer (5) Opel Astra
8. Which of these includes nearly $\mathbf{3 7 , 0 0 0}$ co-operative societies of India (as in December 2003)?.
(1) IFFC (2) Amul
(3) Lijjat Papad. (4) BALCO (5) HINDALCO
9. The State which saw the dawn of a new era in the field of education, through the EDUSAT pilot project with ISRO's help is.
(1) Tamil Nadu (2) Karnataka
(3) Goa .(4) Punjab
(5) None of these.
10. The recently discovered star, which is nearly 40 million times brighter than the sun and at least 150 times as massive, has been named by the US astronomers as.
(1) LIB 2020-40
(2) Gigantica
(3) USB 2004.
(4) LBV 1806-20 (5) None of these.
11. After three decades of tiger conservation in India, the population of tigers has increased from 1827 to : (approximately).
(1) 3600
(2) 2000
(3) 4800
.(4) 1900
(5) 1500 .
12. The science exhibition on wheels, which was recently shown in various parts of India, was named as.
(1) Rail Congress (2) Science Congress
.(3) Mobile Gyan (4) Gyan Gadi (5) Vigyan Rail.
13. "Nano particles could have helped to offer heat resistance to the $\mathbf{9 / 1 1}$ terrorist strike on WTC, New York" is the view propounded by which American Indian scientist
.(1) A.P. Malshe (2) V.N. Khare
(3) Joe Kernan .(4) Gajula Kapu (5) Lalita Kumari.
14. The Indian carpet trade has been hit badly due to the competition arising from.
(1) Singapore carpets (2) American and Belgian carpets.
(3) Pakistani carpets (4) Austrian and Australian carpets .(5) None of these.
15. The 44,500 tonne Russian aircraft carrier, Admiral Gorshkov will cost India.
(1) $\$ 2.0$ billion (2) $\$ 1.2$ billion
(3) $\$ 1.5$ billion.(4) $\$ 2.3$ billion (5) $\$ 2.5$ billion.
16. Recently, the government announced several sops for various classes of the society. These include.
(a) setting up of a National Commission for farmers .(b) providing urban services in rural areas
(c) establishing new Krishi Vigyan Kendras.
(d) allowing private companies to enter foodgrain exports and.their freedom to procure stock from the open market.
(e) monopolising foodgrains to food corporation of India

Which of the above points are true?.
(1) a and e only (2) c and e only (3) c and d only.(4) e only (5) None of these.
17. Which three countries, previously described as the "axis of evil" by US President Bush, are not confronting the same opposed stance.
(a) North Korea (b) Iraq
(c) South Korea.(d) Afghanistan (e) Iran.
(1) a, b, c
(2) b, c, d
(3) $a, c, e$. (4) $b, d, e(5) b, c, e$.
18. Asian Women's Boxing Championship was held in November 2003 at.
(1) Calicut (2) Hisar
(3) Hyderabad .(4) Lucknow (5) New Delhi.
19. The Information and Broadcasting Ministry recently decided to take strict action against some "hot" music videos on TV channels, after a number of representations and parliamentary debates. Which of these is not true?.
(1) Music videos will have to be cleared by the Central Board of Film Certification..
(2) Only videos with a $U$ (Universal) certificate can be shown on the T.V..
(3) For channels uplinked outside India, the contents will be regulated through Cable TV Regulation Act..
(4) The censor board will have 20 members and an annual fund of Rs 50 crores..
(5) None of these

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

The main idea conveyed by the report is that our children do not get a chance to enjoy learning at school because the syllabi are irrationally organised, teaching is text book centered and the system of examinations instils fear and encourages mechanical repetition. Text books developed along the lines of reconceptualised syllabi can attempt to integrate positive values, life skills, aesthetic sensibility and concern for the environ-ment. They are interactive and make a conscious effort to point both children and the teachers towards other sources of learning such as neighbourhood, nature etc. In addition two parallel challenges deserve attention. The first is examination reforms. Rigid indifference to individual differences is the major flaw of the present system. From the quality of questions to the manner of evaluation, it favours drilled preparedness and ignores independent thought while the unrealistically high cut offs in coveted colleges $\sim$ re a further sign of systemic inefficiency. It is hardly surprising that the very thought of examinations makes the young depressed. Moreover practices of splitting unified topics into arbitrary bits carrying small marks value encourage teachers to con-centrate on scoring topics overlooking the importance of perspective and overall understanding. Little sur $\_$prise that many elite high fee schools are opting for International Baccalaureate not because it offers status with its global certification but for its flexibility and respect for individual differences in learning.
The second area is teacher training which suffers from obsolete notions. Most teachers are trained main $\neg$ ly to cover the syllabus in a mechanical exam-oriented manner. By insisting that every child move at the same pace in all subjects teachers encourage rote learning and ridicule for those who fall behind. Teacher training whether for nursery or secondary school teachers should be embedded in courses, which have the capacinty to develop both the teacher's personality and per $\rightarrow$ spective on society by linking subject learning with reflective and creative project work. The ultimate responsibility lies with universities and institutes of higher learning to ensure the quality of all teachers. Initiatives to improve the content of teacher training courses will ensure utilisation of desolate university campuses during summer vacations which conceal an enormous waste of infrastructure and expertise. The quality of education is a reflection of the quality of teachers and major improvements in their training and working conditions will motivate the young to pursue a . teaching career and determine how India fares in the pursuit of economic and social development in the years to come.

1. According to the author, what is the major weakness of the present examination system?
(1) Teachers do not take into account the nature of questions asked in the examination.
(2) Teachers are subjective in their assessment of papers.
(3) Cut off standards for admissions to good institutions need to be raised.
(4) It distinguishes between a creative student and a rote learner.
(5) It does not consider unique learning patterns of students.
2. Which of the follOWing factors is responsible for cilildren's dislike of learning?
(A) Rigid, logical, systematic organisation of syllabus.
(B) Teaching methodology which does not focus on text books.
(C) Examination pattern which rewards rote learning.
(1) Only (A)
(2) Both (A) and (B) (3) Only (C)
(4) All (A), (B) and (C) (5) None of these
3. What is the drawback of teacher training courses?
(1) They are held during summer vacations so attendance is low.
(2) Content is being constantly changed so teachers cannot keep up.
(3) Their focus is on imparting education only from an examination perspective.
(4) They focus on making syllabi interactive rather than focusing on examination patterns.
(5) None of these
4. Which of the follOWing is NOT TRUE in the context of the passage?
(1) Examinations arouse negative emotions in students.
(2) Weak students are at a disadvantage if teachers force students to learn at the same speed.
(3) Holding teacher training courses only during the academic year will help teachers cover the syllabus in an exam-oriented manner.
(4) The responsibility for improving the quality of teachers lies in the hands of universities.
(5) In the present educational system rote learning is encouraged.
5. According to the author which of the following conditions will influence India's future development?
(A) Replacing traditional educational systems with globally accepted foreign systems.
(B) Improving employment conditions of teaching staff
(C) Getting global accreditation for Indian college courses
(1) Only (A)
(2) Both (A) and (B) (3) Both (B) and (C) (4) Only (B)
(5) None of these
6. What will be the impact of having an interactive syllabus?
(I) Teachers and students will explore sources other than the text book.
(2) Students may get distracted and perform poorly in examinations.
(3) Weaker students may get left behind.
(4) Teachers may not be able to cover the entire syllabus for the examination.
(5) Students and teachers alike will be overbur $\neg d e n e d$.
7. Which of the follOWing is essential to improve the quality of education?
(A) Focus on encouraging educational systems like International Baccalaureate.
(B) Reducing the number of examinations students have to take.
(C) Lowering the cut offs for expensive colleges so that all students have access (1) None (2)

Both (A) and (B) (3) All (A), (B) and (C) (4) Only (A)
(5) None of these
8. Why do teachers focus on "scoring" topics?
(I) Pressure from colleges who want to maintain high cut offs.
(2) Faulty examination pattern which divides topics into smaller sections.
(3) It is an objective of teacher training programmes.
(4) To reduce the nervousness of students dUring examinations.
(5) None of these
9. What is the author's recommendation to univer $\neg$ sities?
(1) Encourage only creative project work for primary school teachers.
(2) Enforce strict rules so that only those truly interested take up teaching as a profession.
(3) Utilise their infrastructure during the academic year for teacher training.
(4) Pass on responsibility for improving teacher training content to a government body.
(5) None of these
10. Why is the International Baccalaureate gaining popularity?
(1) It is a rigid well defined system. (2) It has a good reputation.
(3) Fees of other educational systems are too high for the quality of education given.
(4) It allows students some scope to learn at their own pace.
(5) None of these

Qs. 11-13. Choose the word which is most nearly the SAME in meaning as the word given in bold as used in the passage.
11. coveted
(I) desired (2) priceless A (3) necessary (4) private (5) valid
12. instills
(I) teach (2) causes (3) orders (4) inserty (5) invites
13. challenges
(1) fears (2) questions
(3) disputes (4) obstaclV (5) conflicts

Qs. $14 \cdot 15$. Choose the word which is most OPPOSITE in meaning of the word given in bold as used in the passage.
14. desolate
(1) happy
(2) occutned
(3) dejecte
(4) repaired
(5) cheerful
15. obsolete
(1) stylish
(2) fashion
(3) preseu1t
(4) useless
(5) novel

Qs. 16-25. Read each sentence to find out whether there is any grammatical error in it. The error, if any, will be in one part of the sentence. The number of that part is the answer. If there is no error, the answer is (5) i.e. 'No error'. (Ignore the errors of punctuation, if any).
16. During the flood(1) Shilpa's colleagues(2) prayed for(3) her safety.(4) No error.(5)
17. Everyone admires Deepa(1) because of her ability(2) to generate(3) so good ideas.(4) No error.(5)
18. The company has announced $(1)$ a bonus for all(2) employee who(3) achieve their sales targets.(4) No error.(5)
19. The Cashier cannot(I) give no explanation(2) for the money(3) that is missing.(4) No error.(5)
20. The manager has(I) confidence in the engi $\neg$ neer(2) ability to(3) design the new software.(4) No error.(5)
21. He has been assigned(I) with that team(2) because he is(3) well qualified and experienced.(4) No error.(5)
22. The company's new project(I) cannot be launched(2) unless the approval(3) of the Board.(4) No error.(5)
23. Instead criticizing(I) why don't(2) you help(3) with the presentation?(4) No error.(5)
24. Mr Sethi was(I) not given a promotion(2) because he is(3) frequent absent.(4) No error.(5)
25. Inspite of(I) so many hardships(2) Amar has managed(3) to success.(4) No error.(5)

Qs. 26-30. Which of the phrases (1), (2), (3) and (4) given below should replace the phrase given in bold in the following sentences to make the sentence grammati $\neg$ cally correct? If the sentence is correct as it is and there is no correction required mark (5) i.e. 'No correction required' as the answer.
26. The newly appointed Chairman has recent visited all our branches.
(I) on a recent visit (2) recently visit to (3) recently visited (4) recent to visit
(5) No correction required
27. Mr Sen's colleagues asked him that he planned
to do after his retirement. (1) when he planned (2) that his plans
(3) what he planned (4) how he plans
(5) No correction required
28. The Minister denied reports that prices will
rose after the budget. (I) would rise after (2) will now rise
(3) is rising up
(4) are rising from
(5) No correction required
29. The decided to begin the meeting till
he arrive.
(I) since he arrives (2) when he arrived (3) on arrival
(4) than he arrived
(5) No correction required
30. The employees successfully carried out the
manager's instructions. (1) carried on
(2) carried of
(3) carry
(4) carry away
(5) No correction required

Qs. 31-35. In each sentence below, four words print - ed in bold type are given. These are numbered as (1), (2), (3) and (4). One of them may be wrongly spelt or inappropriate in the context of the sentence or grammatically incorrect. The number of that word is the answer. If there is no error of any of the above types, the answer is (5) i.e. 'All correct'.
31. Mr Banerjee is a popular(I) leader since he deligates(2) authority(3) to his subordinates.(4) All correct.(5)
32. The manager was accompanied(I) by several(2) experts when he surveyed(3) the devasta-tion(4) caused by the fire. All correct.(5)
33. He failed(I) to secure(2) that crucial(3) con-tract so he loss.(4) his job. All correct.(5)
34. The presents(I) of all parties(2) involved(2) in the dispute is essential.(4) All correct.(5)
35. Mahesh has taken a momentous(1) decision to sell his very profitible(2) business(3) to his biggest rival.(4) All correct.(5)

Qs. 36-40. Rearrange the follOWing six sentences (A), (B), (e), (D), (E) and (F) in the proper sequence to form a meaningful paragraph; then answer the questions given below them.
(A) Thus rapid development is still unable to meet demand.
(B) Surplus funds from hikes in passenger fares and cuts in staff have made this possible.
(C) This demonstrates that it has been transformed into a modern high standard design and high service reliable system.
(D) However China's railways are not problem free. (E) China's railways have been able to generate the funds needed for the construction of new railway lines internally.
(F) For example at present about $2,80,000$ cars are requested daily to transport goods but only half the requests can be met.
36. Which of the follOWing is the FIITH sentence after rearrangement?
(I)A (2) C (3) D (4) E (5) F
37. Which of the follOWing is the SIXTH (IAST) sentence after rearrangement?
(1) A (2) $B$ (3) C (4) D (5) F
38. Which of the following is the SECOND sen ᄀtence after rearrangement?
(1) $A$ (2) $B(3) C(4) D(5) E$
39. Which of the following is the THIRD sentence after rearrangement?
(1)A (2) B (4) E (5) F
40. Which of the following is the FIRST sentence after rearrangement?
(1) $A$ (2) $B(4) D(5) E$

Qs. 41-50. In the following passage there are blanks each of which has been numbered. These numbers are printed below the passage and against each five words are suggested one of which fits the blank appropriately. Find out the appropriate word in each case.

Although he is no longer alive, $\{41\}$ his influence can be felt in the studio 42 he created cartoons and feature films which made him known and (43) around the world. 44 many people who work to create humour he took it very seriously. He would sit sadly (45) the funniest cartoon concentrating on some way to improve it. Walt Disney (46)the opinions of those working with him but the 47 judgement was always his. He demanded a lot 48 people but he gave a lot too. When the economy was not doing well he gave every one a (49) and though some (50) of this, it gave his employees a morale boost.
41. 1. yet (2) even (3) and (4) till (5) besides
42. (1) from (2)where (3) which (4) while (5) that
43. (1) respect (3) loved (5) laughed
44. (1) For (2) seen (3) Without (4) entertained (5) Like
45. (1) on ( (2) until 3) front (4) through (5) in
46. (1) saw (2) conduded (3) discussed (4) discouraged (5) valued
47. (1) final (2) ultimately (3) important(4) hasty (5) lasting
48. (1) by (2) from (3) with (4) to (5) many
49. (1) advance (2) share (3) fee(4) raise (5) profit
50. (1) credit ((2) To 3) criticized (4) Not (5) paid

Answers:

1. 5
2. 3
3. 3
4.3
4. 2
6.1
7.4
8.2
9.3
10.4
11.1
12.2
13.2
14.2
15.1
16.5
17.4
18.4
19.2
20.2
21.2
22.3
23.1

## REASONING - MENTAL ABILITY - APTITUDE

1. 'Captain' is related to a 'Team' in the same way as 'Director' is related to
(1) Supervisor (2) Employee
(3) Organisation (4) Union
(5) Customer
2. Find the odd one out of the following options
(1) Aunt (2) Child
(3) Father (4) Niece
(5) Relation
3. Pointing to a photograph of Mahesh, Ram said. "The father of his sister is the husband of my wife's mother". How is Ram related to Mahesh?
(1) Brother (2) Brother-in-law
(3) Father-in-law (4) Data not sufficient
(5) None of these
4. If 'fork' is called 'plate', 'plate' is called 'knife', 'knife' is called 'jug', 'jug' is called 'glass', 'glass' is called 'cup' and 'cup' is called 'fork', by what do we cut fruit?
(1) spoon (2) jug
(3) glass (4) saucer
(5) none of these
5. If ' $a$ ' is substituted by 26 ,' $B$ ' by 25 and so on up to ' $Z$ ' which is substituted by 1 , what will be the sum of the numbers substituted for the word 'XRAY'?
(1) 33 (2) 40
(3) 37 (4) 73
(5) None of these
6. In a certain code COIMBATORE is written as DPJNCBUPSF. How is INDORE written in that code?
(1) JOENQF (2) JMCPQD
(3) JOEPSF (4) HMCNQD
(5) None of these
7. Geeta is elder to Seeta but not to Deepa. Gayatri is younger than Deepa. No one is elder to Fatima. Who is youngest of them all?
(1) Seeta (2) Geeta
(3) Gayatri (4) Data not sufficient
(5) None of these
8. Raman is sitting to the immediate left of Harry but not next to Kamal. Mahesh is sitting to the right of Kamal. If the four friends are sitting in a circle who is sitting to the immediate right of Harry?
(1) Mahesh (2) Kamal
(3) Raman (4) Harry
(5) Cannot be determined
9. How many three letter meaningful English words can be formed from the word NOTE beginning with ' T ' and without repeating any letter?
(1) Three (2) One
(3) Two (4) None
(5) None of these

Directions (11-15): Answer question 11 to 15 based on the following sequence:
A \$ B \# 9 G 3D K «M? CQ 2 X 7 P 5 U 8 I 4 Y ə J
11. How many elements in the above arrangement are both immediately preceded and immediately followed by a number?
(1) One (2) Two
(3) Three (4) Five
(5) None of these
12. Which of the following will be the fifteenth element from the left end if all the numbers are arranged in descending order from left to right, keeping the position of the other elements in arrangement un-changed?
(1) $5(2) 4$
(3) $7(4) 8$
(5) None of these
13. How many letters in the above arrangement are immediately followed by a symbol?
(1) Two (2) Five
(3) Four (4) Three
(5) None of these
14. Which of the following will be eighth to the left of the twelfth from the left end of the arrangement?
(1) \# (2) 7
(3) $\mathrm{U}(4) 9$
(5) None of these
15. Four of the following five are alike in a certain way based on their position in the above arrangement and so form a group. Which is the one that does not belong to that group?
(1) G\$M (2) K9Q
(3) ?D7 (4) 2 MU
16. In a certain code language' In ba pe' means 'he has won','le ki ba' means 'she has lost' and 'in se pe' means 'he always won'. Which word in that language means 'he'?
(1) in (2) pe
(3) se (4) Data not sufficient
(5) None of these
17. X is Y 's brother. S is T's mother and X's aunt. How is T related to X ?
(1) Sister (2) Cousin
(3) Aunt (4) Cannot be determined
(5) None of these
18. If the letters of the word OBSERVANT are interchanged, such that the first becomes ninth, second becomes eighth, and so on, and the position of the fifth letter remains unchanged then what will be the new arrangement of letters?
(1) TNAVERSBO (2) TNVARESBO
(3) NTAVERSBO (4) VANTRESBO
(5) None of these
19. If 1 is coded as $S$, 5 is coded as $\%, 6$ is coded as «, 3 is coded as,+ 7 is coded as \# and 4 is coded as? What will be the correct form of the number 435671 ?
(1) ? + \% «\# Ś (2) ? + \% S \# «
(3) ? + «\% \# Ś (4) Ś \# «\% + ?
(5) None of these
20. Which of the following have the same relationship as BREAD:DBARE?
(1) SWORN: NSOWR (2) FUNDS: FSDUN
(3) GLAZE : EGZAL (4) LOWER: RLEWO
(5) None of these

Directions (21-25): Read the following information and attempt the given questions:
Six executive Aman, Bindu, Deepa, Jitu, Kamal and Priyanka have to advertise four products i.e. soap, watches, computers and chocolates on 3 different channels, i.e. Go,

Come and Fun either alone or in pairs. An executive can visit only one channel and advertise only one product. No more than two executives can advertise on a channel.
(i) Bindu and Jitu both visit the same channel but advertise different products.
(ii) Aman who visits 'Go' advertises neither soap nor computers.
(iii) Kamal does not advertise chocolates.
(iv) No girl advertises soap.
(v) The two executives who advertise chocolates visit Spice
(vi)
21. Who advertises watches?
(1) Deepa (2) Kamal
(3) Aman (4) Priyanka
(5) None of these
22. Which of the following Channel-product pairs in definitely incorrect?
(1) Go-watch (2) Come-computer
(3) Go-soap (4) Come-soap
(5) Come-watch
23. Which channel does Kamal visit?
(1) Go (2) Fun
(3) Come (4) Cannot be determined
(5) None of these
24. If Bipasha advertises computers which of the following must be true?
(1) Jitu advertises soap (2) Jitu advertises watches
(3) Kamal advertises computers (4) Kamal works for Fun
(5) None of these
25. What will Jitu advertise?
(1) Chocolates (2) Watches
(5) None of these
26. Swaroop and Simple want to attend a seminar together between 9 a.m. to 5 p.m. on Friday. Simple cannot leave till after her lunch break which begins at 1.30 p.m. Swaroop is free after her meeting which ends at noon. For how many hours can the two of them attend the seminar?
(1) $31 / 2$ hours (2) $21 / 2$ hours
(3) $41 / 2$ hours (4) Cannot be determined
(5) None of these
27. How many pairs of letters are there in the word ANSWER each of which has as many letters between them in the word as there are in the English language?
(1) One (2) Two
(3) Four (4) Three
(5) None of these
28. Find the odd one out
(1) $2(2) 7$
(3) 11 (4) 13
(5) 9
29. If all the letters in the word MERCIFUL are rearranged in alphabetical order and substituted by the alphabet preceding them in the English alphabet what will be the new arrangement of letters?

## (1) BDHEKLQT (2) BDEHKLQT

(3) BDEHLKQT (4) BDEJMLQT
(5) None of these
30. Out of 38 families in a housing society 5 subscribe to Hindi news-papers alone, 12 subscribe to both Hindi and Marathi newspapers. Find the number of Maranthi newspaper subscribers.
(1) $9(2) 21$
(3) 17 (4) Cannot be determined
(5) None of these

Directions (31-35): Below are given letters and their numeric codes. Below that are given some conditions to be followed while codifying the given letter groups in each question. Study them and find out the correct numeric coded form of the given letter group in each question. If none of the coded forms is correct, your answer will be (5) i.e. 'None of these'.

| Letters | M | Q | I | N | E | Y | U | G | R |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Numeric <br> Codes | 2 | 5 | 3 | 7 | 1 | 8 | 4 | 6 | 9 |

## Conditions:

(i) If the first and last letters are vowels both are to be coded as Ś.
(ii) If the second letter is a vowel and the third letter is a consonant a single code is to be used and both are to be coded jointly as \%.
(iii) If the first letter is a consonant and the last letter is a vowel both are to be coded as?

## 31. ENIMY

(1) $1 \% 28(2) ? 732$ ?
(3) 17328 (4) ?7328
(5) None of these

## 32. GENIR

(1) ? $173 ?(2) 6 \% 39$
(3) $6 \% 79(4) 61739$
(5) None of these
33. QUERI
(1) $5 \% 93(2) ? 413$ ?
(3) ? 4139 (4) ? 419
(5) None of these
34. EINUM
(1) $1 \% 72$ (2) $0 \% 42$
(3) 1374 ? (4) $1 \% 43$
(5) None of these
(1) Ś769 Ś (2) 4769 Ś
(3) 47691 (4) Ś 7691
(5) None of these

Directions (36-40): In each question below are two statements followed by two conclusions numbered I and II. You have to take the two given statements to be true even if they seem to be at variance from commonly known facts and then decide which of the given conclusions logically follows from the two statements disregarding commonly known facts.

Give answer (1) if only conclusion I follows.
Give answer (2) if only conclusion II follows.
Give answer (3) if either conclusion I or II follows.

Give answer (4) if neither conclusion I nor II follows.
Give answer (5) if both conclusions I or II follow.
36. Statements: Some pencils are lead. All lead are ink

## Conclusions:

I. Some ink are pencils.
II. All ink are lead.
37. Statements: Some ovens are refrigerator. Some refrigerators are ACs.

## Conclusions:

I. Some ACs are ovens.
II. No. AC is oven.
38. Statements: All planes are birds. All birds are clouds.

Conclusions:
I. Some planes are clouds.
II. Some clouds are birds.
39. Statements: Some sweets are salt. No salt in spice.

## Conclusions:

I.. Some sweets are spice.
II. No spice is salt.
40. Statements: Some papers are plastics. All papers are clothes.

## Conclusions:

I. Some plastics are clothes.
II. Some plastics are papers.

Directions (41-45): Each of the following questions below consists a question and two statements numbered I and II given below it. You have to decide if the data provided in the statements are sufficient to answer the question. Read both statements and:

Give answer (1) if the data in statements I alone is sufficient to answer the question while the data in statement II is not sufficient to answer the question.

Give answer (2) if the data in statement II alone is sufficient to answer the question, while the data in statement I alone is not sufficient to answer the question.

Give answer (3) if the data either in statement I alone or in statement II alone is sufficient to answer the question.

Give answer (4) if the data in both the statements I and II are not sufficient to answer the question.

Give answer (5) if the data in both the statements I and II together are necessary to answer the question.
41. How is 'cricket' written in a code language?
I. 'Dinesh play cricket' is written as 'do si ha'.
II. 'play cricket now' is written as 'ha si ma'.
42. Who is the oldest among $\mathrm{L}, \mathrm{M}, \mathrm{N}, \mathrm{O}, \mathrm{P}$ ?
I. P is older than M and N but not O .
II. L is older than O .
43. When is Rahul's birthday?
I. Rahul and Shivani are twins.
II. Rahul was born on the last day of February in a leap year.
44. What is the strength of the class?
I. Shekhar stood 28 ranks below the top ranker and Mahesh who stood 5 ranks below him stood last.
II. Jayesh was 9 ranks below Ramesh who stood $27^{\text {th }}$ from the top.
45. How far does Shruti live from the school?
I. Shruti has to cycle 3 kms . To her friend Mina's house which is 4 kms . From thee school.
II. Gitanjali lives exactly opposite the school and walks 2 kms . to reach Shruti's house.

Directions (46-50): The following questions are based on the five three digit numbers given below:

972526487359251
46. If the positions of the firs and second digits are interchanged which of the following will be third if they are arranged in ascending order?
(1) 359 (2) 972
(3) 526 (4) 487
(5) 251
47. If 2 is added to the sum of the digits of each of the above numbers how many will be multiples of 5 ?
(1) None (2) One
(3) Two (4) Three
(5) None of these
48. If 1 is subtracted from the last digit of each of the above numbers the sum of the digits of how many of them are prime numbers?
(1) None (2) Two
(3) One (4) Three
(5) All five
49. If the digits in each of the above numbers are written in reverse order which will be the second highest number?
(1) 251 (2) 359
(3) 487 (4) 526
50. If the positions of the digits of each of the numbers are interchanged such that the first becomes second, second becomes third and third becomes firs, which, of the following will be the highest?
(1) 972 (2) 526
(3) 487 (4) 251
(5) 359

## Answer Key for Mental Aptitude Reasoning

| 1. $(3)$ | 2. $(5)$ | 3. $(2)$ | 4. $(2)$ | 5. $(2)$ |
| :--- | :--- | :--- | :--- | :--- |
| 6. $(3)$ | 7. $(4)$ | 8. $(2)$ | 9. $(1)$ | 10. $(1)$ |
| 11. $(4)$ | 12. $(3)$ | 13. $(2)$ | 14. $(1)$ | 15. $(5)$ |
| 16. $(4)$ | 17. $(2)$ | 18. $(5)$ | 19. $(1)$ | 20. $(5)$ |
| 21. $(3)$ | 22. $(4)$ | 23. $(1)$ | 24. $(2)$ | 25. $(3)$ |
| 26. $(1)$ | 27. $(2)$ | 28. $(5)$ | 29. $(2)$ | 30. $(5)$ |
| 31. $(3)$ | 32. $(2)$ | 33. $(4)$ | 34. $(5)$ | 35. $(1)$ |
| 36. $(1)$ | 37. $(3)$ | 38. $(5)$ | 39. $(2)$ | 4. $(5)$ |
| 41. $(4)$ | 42. $(5)$ | 43. $(2)$ | 44. $(1)$ | 45. $(3)$ |
| 46. $(1)$ | 47. $(4)$ | 48. $(3)$ | 49. $(3)$ | 50. $(5)$ |

verbal reasoning and non-verbal reasoning.

1. In a certain code ROPE is written as $\$ 3 \% 6$ and RITE is written as $\$ 4 \# 6$. How is PORT written in that code?
(1) $\% 4 \$ \#$
(2) $\$ 3 \% \#$
(3) $\$ 64 \%$
(4) $\% 3 \$ \#$
(5) None of these
2. How many such pairs of letters are there in the word KNIGHT, each of which has as many letters between them in the word as they have in the English alphabet?
(1) None
(2) One
(3) Two
(4) Three
3. Pointing to a photograph Nikita said 'She is the only grad daughter of my grandmother's daughter'. How is the girl in photograph related to Nikita?
(1) Sister
(2) Niece/ daughter
(3) Aunt
(4) Cannot be determined
(5) None of these
4. 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 the group?
(1) Pineapple
(2) Guava
(3) Grapes
(4) Papaya
(5) Pear
5. If the word STABLE all the consonants are replaced by the previous letter and all the vowels are replaced by the next letter which letter will be third from the left end?
(1) S
(2) B
(3) A
(4) K
(5) None of these
6. In a certain code HOUSE is written as FTVPI, how is CHAIR written in that code?
(1) DIBJS
(2) SBJID
(3) SHBGD
(4) SJBID
7. 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 the group?
(1) FH
(2) KM
(3) PR
(4) CE
(5) JM
8. If ' $P \quad Q$ ' means ' $P$ is wife of $Q$ ', ' $P+Q$ ' means ' $P$ is father of $Q$ ' and ' $P \quad Q$ ' means ' $P$ is sister of $Q^{\prime}$ then in $G H+R D$, how is $G$ related to $D$ ?
(1) Cannot be determined
(2) Mother
(3) Niece
(4) Aunt
(5) None of these
9. If the digits of the number 5726489 are arranged in ascending order, how many digits will remain at the same position?
(1) None
(2) One
(3) Two
(4) Three
(5) More than three
10. 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 the group?
(1) 17
(2) 19
(3) 23
(4) 29
11. How many meaningful words can be made from the letters AEHT, using each letter only once?
(1) None
(2) One
(3) Two
(4) Three
(5) More than three
' means ' $x$ ', \$ means ‘ + ', \# means ‘' and ‘©' means ‘-‘ then what is the value of $\leftrightarrow 12$. If ‘
360 \# 24\$ 56«5© 48?
(1) 253
(2) 242
(3) 247
(4) 285
(5) None of these
12. If blue means pink, pink means green, green means yellow, yellow means red and red means white then what is the colour of turmeric?
(1) green
(2) yellow
(3) red
(4) pink
(5) None of these
13. If it is possible to make a meaningful word from the second, the third, the tenth and the eleventh letters of the word PASSIONATELY using each letter only once, second letter of that word is your answer. If no such word can be formed your answer is X and if more than one word can be formed your answer is Y.
(1) A
(2) E
14. In a row of children facing north Manish is fourth to the left of Suresh who is tenth from the left end. Nisha is second to the right of Suresh and eighth from the right end of the row. Total how many children are there in the row?
(1) 19
(2) 20
(3) 21
(4) 18
(5) None of these

Directions (16-20): In these questions symbols ©, \#, «, \$ and @ are used with different meanings as follows:
'A © B ' means ' A is smaller than B '
'A \# B' means 'A is either smaller than or equal to B '
' $\mathrm{A}<\mathrm{B}$ ' means ' A is greater than B '
'A \$ B' means 'A is either greater than or equal to B '
'A @ B' means ' A is neither smaller than nor greater than B '
In each of the following questions assuming the given statements to be true, find out which of the two conclusions I and II 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 conclusion II is true.
Give answer (4) if neither conclusion I nor conclusion II is true.
Give answer (5) if both conclusions I and II are true.
16. Statements: V\#S, S©L, L©J

Conclusions: I. V © L
II. S © J

Conclusions: I. M \#H
II. R © H
18. Statements: H\$F, F@G, G«M

Conclusions: I. H «M
II. H «G
19. Statements: R©J, J «T,,T \# L

Conclusions: I. R @ T
II. J @ 1
20. Statements: W@T, T\$K, K «F

Conclusions: I. W \$ K
II. W @ K

Directions (21-25): In each question below there are three statements followed by two conclusions numbered I and II. You have to take the three given statements to be true even if they seem to be at variance from commonly known facts and then decide which of the given conclusions logically follows from the three given statements disregarding commonly known facts. Then decide which of the answers (1), (2), (3), (4) and (5) is the correct answer and indicate it on the answer sheet.

Give answer (1) if only conclusion I is follows.
Give answer (2) if only conclusion II is follows
Give answer (3) if either conclusion I or II follows.
Give answer (4) if neither I nor II is follows.
Give answer (5) if both I and II follow.
21. Statements:

Some pens are books.
All books are pencils.
All pencils are jars.
Conclusions:
I. All books are jars.
II. Some pens are pencils.

## 22. Statements:

Some bowls are spoons
Some spoons are forks
All forks are plates.
Conclusions:
I. Some bowls are forks.
II. Some spoons are plates.
23. Statements:

Some bottles are jars.
All jars are buckets.

All buckets are tanks.

Conclusions:
I. All jars are tanks.
II. Some buckets are tanks.
24. Statements:

Some phones are mobiles.
Some mobiles are computers.
Some computers are keys.
Conclusions:
I. Some phones are keys.
II. Some computes are phones.
25. Statements:

All papers are files.
Some files are folders.

All folders are bags.
Conclusions:
I. Some files are bags.
II. Some papers are folders.

Directions (26-30): Each of the questions below consists of a question and two statements numbered I and II are given below it. You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and

Give answer (1) if the data is Statement I alone are sufficient to answer the question, while the data in Statement II alone are not sufficient to answer the question.

Give answer (2) if the data in Statement II alone are sufficient to answer the question, while the data in Statement I alone are not sufficient to answer the question.

Give answer (3) if the data in Statement I alone or in Statement II alone are sufficient to answer the question.

Give answer (4) if the data in both the Statement I and II are not sufficient to answer the question.

Give answer (5) if the data in both the Statement I and II together are necessary to answer the question.
26. Lalita is in which direction with respect to Sangita?
I. Lalita is to the East of Prabha who is to the South of Sangita.
II. Vinita is to the North of Lalita who is to the East of Sangita.
27. What is the code for 'Play' in the code language?
I. In the code language 'play and dance' is written as 'ka to pe'
II. In the code language enjoy the dance' is written as 'pe jo ra'.
28. How many children are there in the class?
I. Vandana's rank in the class is five ranks below Nandini who is twenty fifth from the bottom.
II. Nandini's rank is seventeenth from the top.
29. Who is tallest among Neeta, Sudha, Radha, Maya and Geeta?
I. Radha is shorter than Neeta and Sudha but not shorter than Maya and Geeta.
II. Neeta is not the tallest.
30. How many sons does Ramesh have?
I. F is sister of H who is son of Ramesh.
II. R is brother of H .

Directions (31-35): These questions are based on the following letter / number/ symbol arrangement. Study it carefully and answer the questions that follow:

5 DGE«79\$F16R \%LIAJ3B\#4@KP8UM2
31. Four of the following five are alike in a certain way on the basis of their positions in the above arrangement and so form a group. Which is the one that does not belong to the group?
(1) $\$ 9 \mathrm{~F}$
(2) R6\%
(3) 8 PU
(4) \#B4
(5) 3BJ
32. If all the symbols are removed from the above arrangement which element will be third to the left of thirteenth from the left?
(1) L
(2) R
(3) 6
(4) I
(5) None of these
33. What will come in place of the question mark (?) in the following series based on the above arrangement?

EDH 9 « 7 I\$F?
(1) 6RI
(2) \%R6
(3) R16
(4) $\% 6 \mathrm{R}$
(5) None of these
34. Which element will be fifth to the right of ninth from the right end if all the numbers are removed from the above arrangement?
(1) K
(2) @
(3) P
(4) \#
(5) None of these
35. How many such numbers are there in the above arrangement each of which is immediately followed by a consonant but not immediately preceded by a vowel?
(1) None
(2) One
(3) Two
(4) Three
(5) More than three

Directions (36-40): These questions are based on the basis of following information. Study it carefully and answer the questions.

Eight executives J, K, L, M, N, O, P, and Q are sitting around a circular table for a meeting. J is second to the right of P who is third to the right of K . M is second to the left of O who sits between P and J , L is not a neighbour of K or N .
36. Who is to the immediate left of L?
(1) Q
(2) O
(3) K
(4) N
(5) None of these
37. Who is to the immediate left of K ?
(2) J
(3) Q
(4) Cannot be determined
(5) None of these
38. Which of the following is the correct position of N ?
(1) Second to the right of K
(2) To the immediate left of K
(3) To the immediate right of M
(4) To the immediate right of K
(5) None of these
39. Who is third to the right of P ?
(1) L
(2) J
(3) Q
(4) N
(5) None of these
40. Which of the following groups of persons have the first person sitting between the other two?
(1) PJO
(2) OPJ
(3) OPM
(4) MPO
(5) None of these

Directions (41-50): In each of the questions given below which one of the five answer figures on the right should come after the problem figures on the left, if the sequence were continued?
41.

43.

44.

45.

46.

47.

48.

49.1

50.


Answers for Reasoning (Mental Aptitude) Solved Sample Question Paper:

1. (4), 2. (3), 3. (2), 4. (3), 5. (2), 6. (4), 7. (5), 8. (2), 9. (4), 10. (5), 11. (3), 12. (3), 13. (3), 14. (5), 15. (1), 16. (5), 17. (2), 18. (1), 19. (4), 20. (1), 21. (5), 22. (2), 23. (5), 24.
(4), 25. (1), 26. (3), 27. (4), 28. (5), 29. (5), 30. (5), 31. (5), 32. (2), 33. (4), 34. (1), 35.
(2), 36. (5), 37. (3), 38. (4), 39. (1), 40. (2), 41. (3), 42. (4), 43. (1), 44. (5), 45. (1), 46.
(4), 47. (5), 48. (1), 49. (2), 50. (3)
2. The Sir C.V .Raman award for 2008 has been awarded to -
(A) M.Natarajan
(B) Sanjeev Ramchandra Inamdar
(C) Prof. G.Venkatraman
(D) Dr. Naresh Trehan
(E) None of these

Ans [A]
2. The 2007 FIFA Woman player of the year is -
(A) Birgit Prinz
(B) Christiane
(C) Marta
(D) Sania Mirza
(E) None of these

Ans [C]
3. The Mascot of the 2008 Olympic Games is-
(A) Fuwa
(B) Athena and Phevos
(C) Izz
(D) Cobi
(E) None of these

Ans [A]
4. Which among the following States would observe 2008 as the'Year of Education' ?
(A) Uttar Pradesh
(B) Haryana
(C) Bihar
(D) Karnataka
(E) Rajasthan

Ans [B]
5. Who has written "two lives"?

## (A) Vikram Seth

(B) Kiran Desai
(C) Arundhati Roy
(D) Khushwant Singh
(E) none of these

Ans [A]
6. Which of the following sites has been included in UNESCO's list of the world ?
(A) Akbar's tomb at Sikandara
(B) Gateway of India (Maharashtra)
(C) Bibi ka Maqbara
(D) Agra Fort
(E) None of these

Ans [D]
7. Rupees one lakh Nano Car has been unveiled in the $9^{\text {th }}$ Auto Expo 2008 by -
(A) Bajaj Group
(B) Tata Group
(C) Maruti-Suzuki Group
(D) Mahindra \& Mahindra Group

Ans [B]
8. Which of the following banks has started the first biometric ATM in India ?

## (A) Punjab National Bank

(B) State Bank Of India
(C) Bank Of Baroda
(D) Oriental Bank Of Commerce
(E) Central Bank Of India

Ans [A]
9. Rural Infrastructure Development Fund (RIDF) for infrastructural development in rural areas , is set up and managed by-
(A) RBI
(B) SBI
(C) NABARD
(D) IMF
(E) SEBI

Ans [C]
10. Non-scheduled banks are :
(A) Banking companies other than those included in the second scheduled of the RBI
(B) Private sector banks
(C) Indigeneous banks
(D) Rural money lenders
(E) None of these

Ans [A]
11. In January 2008, RBI has decided to issue ..... denomination banknotes with inset letter ' $S$ ' in both numbering panels:
(A) Rs. 5
(B) Rs. 10
(C) Rs. 20
(D) Rs. 50
(E) None of these

Ans [B]
12. Which mutual fund has topped in assets Under Management (AUM):
(A) Reliance Mutual Fund
(B) ICICI Mutual Fund
(C) Standard Chartered Mutual Fund
(D) Tata Mutual Fund
(E) None of these

Ans [A]
13. What is the average debt burden per farmer household :
(A) Rs. 4,185
(B) Rs. 10,500
(C) Rs. 7,200
(D) Rs. 12,585
(E) Rs 15,345

Ans [D]
14. Housing Finance Companies are regulated by:
(A) NHB
(C)RBI
(D) SEBI
(E) None of these

Ans [A]
15. The abbreviation GAPP stands for :
(A) General Accepted Accounting Policies
(B) General Accepted Accounting Practices
(C) General Accepted Accounting Principles
(D) General Accounts and Audit Procedures
(E) None of these

Ans [C]
16. Basic objective of Financial Management is:
(A) Maximising the profit
(B) Maximising the shareholder's wealth
(C) Ensuring financial discipline in the organization
(D) Arrangement of funds
(E) None of these

Ans [B]
17. Who was the chief guest at the 2008 Republic Day Parade:
(A) Nicholas Sarkozy (France)
(B) Gordon Brown (UK)
(C) Angela Markel (Germany)
(D) Naveen Chandra Ram Gulam (Mauritius)
(E) None of these

Ans [A]
18. What is India's HDI rank in the latest Human Development Report of 2007 ?
(A) 126
(B) 127
(C) 128
(D) 129
(E) 130

Ans [C]
19. Which of the following is India's largest power manufacturing company?
(A) NTPC
(B) NHPC
(C) Tata power
(D) Reliance Energy
(E) None of these

Ans [A]
20. Which of the following country is not a member of the SAARC /
(A) Bangladesh
(B) Bhutan
(C) Maldives
(D) Myanmar
(E) India

Ans [D]
21. Who among the following is the author of the book "Death and After"?
(A) V. R. Iyer
(B) Montek Singh Ahluwalia
(C) L. K. Advani
(D) Namita Gokhale
(E) Sonia Gandhi

Ans [A]
22. Which of the following States has emerged as the top State in terms of per capita income in 2007 ?
(A) Punjab
(B) Maharashtra
(C) Andhra Pradesh
(D) Haryana
(E) West Bengal

Ans [D]
23. Which of the following organizations agencies has established a fund known as "Investor Protection Fund" ?
(A) SEBI
(B) NABARD
(C) AMFI
(D) BSE
(E) NSE

Ans [A]
24. Who among the following persons has been appointed as the new chairman of Indian Railway Board?
(A) Rakesh Mohan
(B) K C Jena
(C) Ashen Prasad
(D) R R Singh
(E) None of these

Ans [B]
25. "Hand - in - Hand 2007" was a joint army exercise between :

## (A) India and China

(B) India and US
(C) India and Japan
(D) India and Israel
(E) India and Pakistan

