

I - ENGLISH LANGUAGE

Directions (1-10): Read the following passage carefully and answer the questions given below it. Certain words are given in **bold** to help you locate them while answering some of the questions.

The effects of the worst economic **downturn** since the Great Depression are forcing changes on state governments and the US economy that could linger for decades. By one Federal Reserve estimate, the count' lost almost an entire year's worth of economic activity - nearly \$14 trillion - during the recession from 2007 to 2009. The deep and **persistent** losses of the recession forced states to make broad cuts in spending and public workforces. For businesses, the recession led to changes expansion plans and worker compensation. And for individual Americans, it has meant a future postponed, as fewer buy houses and start families. Five years after the financial crash, the country is still struggling to recover. The aftermath of [previous] recessions there were strong recoveries. That is not true this time around," said Gary Burtless, a senior fellow at the Brookings Institution. "This more like the pace getting out of the Great Depression." For years, housing served as the backbone of economic growth and as an investment opportunity that propelled generations of Americans into the middle class.

But the financial crisis burst the housing bubble and devastated the real-estate market, leaving millions facing **foreclosure**, millions more underwater, and generally stripping Americans of years' worth of accumulated wealth. Anthony B Sanders, a professor of real-estate finance at George Mason University, said even the nascent housing recovery can't escape the effects of the recession. Home values may have rebounded, he said, but the factors driving that recovery are very different than those that drove the growth in the market in the 1990s and 2000s. Sanders said more than half of recent home purchases have been made cash, which signals investors and hedge funds are taking advantage of cheap properties. That could freeze out average buyers and also means little real economic growth underpins those sales. Those effects are clear in home ownership rates, which continue to decline. In the second quarter of this year, the US home ownership rate was 65.1%, according to Census Bureau data, the lowest since 1995. In the mid- 2000s, it topped 69%, capping a steady pace of growth that began after the early 1990s recession.

Reversing that will be a challenge, in part because credit has tightened and lending rules have been toughened in an effort to avoid the mistakes that inflated the housing bubble in the first place. "Credit expanded, and now contracted, and it's going to be tight like this as far as the eye can see," Sanders said. "We so destroyed so many households when the bubble burst, there's just not the groundswell to fill the demand (again)" Some are **skeptical** that the tight credit market and new efforts to regulate the financial markets, like the Dodd-Frank law, will prove lasting. Americans have often responded with calls for regulation after financial- sector-driven crises and accusations of mismanagement, according to Brookings' Burtless. "But eventually, those fires cool down," he said. "It's not as though this memory of what can go wrong sticks with us very long." That can be seen in the intense efforts to water down Dodd-Frank's regulations, Burtless said. Federal regulators have already made moves to relax requirements for some potential home owners who were victims of the recent housing crisis. Even those steps and an unlikely return to easy credit might not fuel a full housing recovery without economic growth to back it up. As Sanders, referring to the growth in low-wage and part-time employment put it: "At those wages, it's tough to scramble together down payments and mortgages."

Turmoil in the housing market has already reshaped the makeup of households nationwide. Flume ownership rates among people with children under 18 fell sharply during the recession, declining 15% between 2005 and 2011, according to Census Bureau data. In some states it was far worse. For Michigan, the decline in home ownership was 23%, and in Arizona and California it was 22%. Lacklustre job growth has outlived the downturn. A study by the Economic Policy Institute showed wages for all workers, when adjusted for inflation, grew just 1.5% between 2000 and 2007. But the last five years wiped out even those modest gains—the study found wages declined for the bottom 70% of all workers since the recession began. However, some areas have seen manufacturing jobs climb back from recessionary lows, and the energy sector has been a boon for some Midwestern states. One hopeful sign for workers is the shift away from manufacturing growth in the typically low-wage

South back towards the Rust Belt states, reversing a movement that was taking hold before the downturn. That trend is documented in a 2012 report from the Brookings Institution, "Locating American Manufacturing: Trends in the Geography of Production." From 2000 to 2010, both the Midwest and South lost manufacturing jobs at about the national rate of 34%. But the Midwest has seen nearly half of all manufacturing jobs gained since 2010, almost double the increase in the South. For Michigan, the growth was 19%; in Indiana, 2%. Even with that growth, there are caveats. Autoworker unions have ceded ground with companies on wages and benefits, for example, allowing new hires to work for lower pay and fewer benefits than those who've held their jobs longer. Unemployment remains stubbornly high in some states, and the jobs created have leaned heavily towards part-time and low-pay work. A study from the San Francisco Federal Reserve found the proportion of US jobs that are part-time is high, as many of the jobs lost during the recession have not returned.

1. How, according to the passage, plunge in the economy devastated the life of the Americans?

- 1) It has led to huge loss of revenues amounting to almost \$14 trillion.
- 2) Due to degrading economy there has been voluminous cuts in spending.
- 3) It has led to a wide-scale increase in the number of people buying homes.
- 4) Both 1) and 2)
- 5) All those given as options

2. What can be sighted as the prime cause of this economic slump?

- (1) Changes in expansion plans and worker compensation
- (2) The expansion in the credit which has upheld the investment in manufacturing sector
- (3) The tight credit market which has resulted in the decline of real estate business
- (4) Deregulation of the financial markets which has slowed down the economy
- (5) Mismanagement of funds has led to huge confusion among the citizens.

3. Why have the employers been preferring part-time jobs to regular full-time jobs since the downfall in economy?

- (A) To downslide the debt curtailed over the organisations
- (B) So that more number of jobs can be raised from a single job

(C) Because lots of jobs lost during the recession have not returned yet

- (1) Only (A)
- (2) Only (C)
- (3) Both (B) and (C)
- (4) Both (A) and (B)
- (5) None of these

4. Home ownership has drastically decreased since the economic downturn. Explain.

- (1) Because of the changes made in the credit laws
- (2) Due to the sudden shift in the nature of the federal laws towards the middle-class Americans
- 3) Due to sudden losses incurred in the real-estate business of a large number of people
- 4) Because people are making broad cuts in their spending
- 5) Other than those given as options

5. Which of the following statements is/are NOT TRUE in the context of the passage?

- 1) Federal regulators are tightening the lending rules to avoid mistakes which inflated housing bubble lately.
- 2) The US economy could linger for decades due to this economic recession.
- 3) There has been steep increase in low-pay work to reduce unemployment slowly but steadily
- 4) Even after a decade of the financial crash, the country is still struggling to recover
- 5) None of these given as options

6. Which of the following is the most suitable title for the passage?

- (1) The economic downturn
- (2) The economic paralysis
- (3) 2008 financial crisis impact still hurting states
- (4) The upsurge in unemployment
- (5) The declining economy

7. Choose the word/group of words which is most similar in meaning to the word/group of words printed in bold as used in the passage.

Downturn

- (1) operation
- (2) draconian
- (3) abetment
- (4) descent
- (5) procurement

8. Choose the word/group of words which is most similar in meaning to the word/group of words printed in bold as used in the passage.

Persistent

- (1) merciful
- (2) tenacious
- (3) intermittent
- (4) relenting
- (5) yielding

9. Choose the word/group of words which is most opposite in meaning of the word/group of words printed in bold as used in the passage.

Foreclosure

- (1) preclude (2) legalise (3) deprive
(4) allow (5) prevent

10. Choose the word/group of words which is most opposite in meaning of the word/group of words printed in bold as used in the passage.

Skeptical

- (1) dubious (2) dissenting (3) convinced
(4) cynical (5) doubted

Directions (Q. 11-20): Study the following phrases given below the sentence that can replace the words/phrase given in bold in the sentence to make the sentence grammatically and meaningfully correct. If none of the phrases can replace the word/phrase given in bold in the sentence, select 'No correction required' as the answer.

11. Every Open house we held since 2013 reaffirmed our belief that there is a need for human intervention **to retain its trust and credibility over the age of** anonymous communication.

- (A) to retain trust and credibility in this age of
(B) to retaining trust and credibility ageing
(C) for retention of trust and credible age of
(1) Only (A) is correct
(2) Only (C) is correct
(3) Both (A) and (B) are correct
(4) Both (B) and (C) are correct
(5) No correction required

12. **How it is possible for** a multi-edition newspaper to produce completely different newspapers for various cities?

- (A) Is it possible for
(B) Does it possible to
(C) How is it possible for
(1) Only (A) is correct
(2) Only (B) is correct
(3) Only (C) is correct
(4) Both (A) and (C) are correct
(5) No correction required

13. It is a process where continuity and change **are in consonance with each other**, where the introduction of a new segment does not subsume the importance of the existing segments.

- (A) is in consonance with one another
(B) are in consonant to one another
(C) is in consonance at each other
(1) Only (A) is correct

- (2) Only (B) is correct
(3) Both (A) and (C) are correct
(4) Both (B) and (C) are correct
(5) No correction required

14. **with cyberspace giving** an opportunity to many to express themselves, the question that remains unanswered is whether their voices are heard.

- (A) As cyberspace might be giving
(B) While cyberspace may have given
(C) Although cyberspace has given
(1) Only (A) is correct
(2) Only (B) is correct
(3) Both (A) and (C) are correct
(4) Both (B) and (C) are correct
(5) No correction required

15. The **“Hermit Kingdom”** is increasingly **isolating itself because of its** nuclear ambition that threatens neighborhood and the world at large

- (A) isolated because of
(B) isolating themselves because of
(C) isolated themselves because of their
(1) Only (A) is correct
(2) Only (B) is correct
(3) Only (C) is correct
(4) Both (A) and (B) are correct
(5) No correction required

16. Pointing out the benefits of the GST within a month of its implementation, Modi said that goods are being transported much faster. highways have become clutter- free and pollution **levels had gone down and increased** speed of trucks,

- (A) are being lowered with the decreased
(B) have come down with the increased
(C) have been lowered because of decreasing
(1) Only (A) is correct
(2) Only (B) is correct
(3) Only (C) is correct
(4) Both (A) and (B) are correct
(5) No correction required

17. Washing your hands at regular intervals **could be the most effective method to staying** healthy and protecting yourself from various ailments

- (A) is the most effective way of staying
(B) can be the most effective way to stay
(C) has the effective way to stay
(1) Only (A) is correct
(2) Only (B) is correct
(3) Both (A) and (C) are correct
(4) All are correct
(5) No correction required

18. Quite a few research institutes are **growing in free India bearing the names of** scientists winning recognition of Western countries mainly Europe.

(A) has grown in free India which bears the names of

(B) have grown up in free India that bears the names of

(C) grew up in free India bearing the names of

- (1) Only (A) is correct
- (2) Only (B) is correct
- (3) Only (C) is correct
- (4) Both (B) and (C) are correct
- (5) No correction required

19. Southeast Asian countries today are far more integrated than they have ever been in the modern history of the region, **but ASEAN has some way to go** before it can call itself real community

(A) though ASEAN has something to do

(B) as ASEAN has some places to go

(C) while ASEAN has to go some other way

- (1) Only (A) is correct
- (2) Both (A) and (B) are correct
- (3) Both (B) and (C) are correct
- (4) All are correct
- (5) No correction required

20. The success of Mithali's squad has generated fresh interest in the women's game in India and **as various goodies have been dangled** many are calling for a female equivalent of the IPL

(A) besides various goodies being dangled

(B) various goodies are being dangled

(C) apart from various goodies being dangled

- (1) Only (A) is correct
- (2) Both (A) and (B) are correct
- (3) Both (A) and (C) are correct
- (4) All are correct
- (5) No correction required

Directions (Q.21-30): Below in each question some parts of the sentence are given. Find the part of the sentence which is not really contributing to the main theme of the passage or find the odd sentence out and rearrange the remaining parts of the sentence to make a coherent paragraph. If all the given parts of the sentence are in correct order then choose option (5). If the sequence is the one which is not given then choose option 4) ie 'None of these' as your choice.

21. A) Keep their inner life / B) Tightly under control / C) Educational institutions seldom serve as precise mirrors / D) Of historical change because pedagogic and administrative rituals E) That has

nicely preserved an empty shell of a special inherited identity

- (1) CEDB
- (2) CDEB
- (3) CDAB
- (4) None of these
- (5) Parts of the sentence are in correct order

22. A) Most importantly the labour market / B) We can expect to see continued spillovers / C) Into other areas of the economy, / D) Combined with a broader unravelling of credit markets, / E) Parliament should act quickly to keep the economy from stalling.

- 1) DECA
- 2) DEAC
- 3) ECBD
- 4) None of these
- 5) Parts of the sentence are in correct order

23. A) And act judicious to bring the economy back on track / B) The start-up ecosystem cannot progress in a disturbed business cycle / C) The economy appears to be in a shambles / D) Leaders in the government are failing to recognise the permission / E) And despite the gloomy forecasts for the future.

- (1) DAEB
- (2) BEDA
- (3) CEDA
- (4) None of these
- 5) Parts of the sentence are in correct order

24. A) Even at the risk of reducing an appraisal / B) It strove to make this evident, / C) Of a great writer such as Ishiguro to a trite high school essay / D) While announcing the name / E) that came its way last year.

- (1) DBAC
- (2) ACBE
- (3) DCBE
- (4) None of these
- (5) Parts of the sentence are in correct order

25. A) But laws do have the utility value / B) To heed the line between religious traditions and superstitious practices / C) of curbing the prevalence of inhuman rituals and practices / D) To eradicate superstition from society, / E) Mere legislation is not enough.

- 1) EBAC
- 2) DERA
- 3) EDAC
- 4) None of these
- 5) Parts of the sentence are in correct order

26. A) As the LTTE displaced the other Tamil militias and became dominant, / B) To its ambition of a separate state / C) The abuses perpetrated by the warring actors / D) They boldly challenged its political choices, / E) Which, they felt, subordinated the well-being of the Tamil people.

- 1) CEDB
- 2) DARE
- 3) ADEB
- 4) None of these
- 5) Parts of the sentences are in correct order.

27. A) Are expected to bring their regional expertise /B) Are in the exclusive domain of the Union government, /C) The successful outcome of a request made by the Kerala Chief Minister/D) Has been widely applauded / E) Although traditionalists may argue that foreign affairs.

- (1) EBCD (2) CDEA
(3) EACD (4) None of these
(5) Parts of the sentence are in correct order

28. A) It is this crucial human health angle / B) That has spawned a mushrooming body of science centred / C) On understanding the linkages between sleep and normal metabolic activity, / D) And the potentially deleterious effect of sleep deprivation / E) That helped complete the jigsaw puzzle.

- (1) CABD (2) ABCE
(3) AEBC (4) None of these
(5) Parts of the sentence are in correct order

29. A) Has to give way to / B) Avert accidents/ C) At the cost of maintenance and safety/ D) The present system of running trains on a congested network / E) Safety consciousness in operations.

- (1) DCAE (2) EABC
(3) DCAB (4) None of these
(5) Parts of the sentence are in correct order

30. A) It is increasingly manifested in their converging interests / B) To invest in greater coordination security cooperation / C) To ensure Eurasian connectivity plans /D) That are truly multilateral, / E) And also financially and environmentally sustainable.

- (1) ACDE (2) ADCE
(3) BACE (4) None of these
(5) Parts of the sentence are in correct order

II – REASONING ABILITY

Directions (Q.31-35): Read the following information and answer the given question.

L, M, N, O, P, Q and R are seven employees who are working in the same company. They attend meeting of different departments, viz Administration, Security, Finance and HR department on different days from Monday to Sunday but not necessarily in the same order. One employee attends only one meeting and only one meeting is held on each day. There are two employees who attend meeting of Administration, Security, HR department and only one employee attends meeting of Finance department.

L attends meeting on Thursday. There are two persons who attend meeting between L and the one who attends meeting of HR department. There are three persons who attend meeting between the person who attends meeting of Administration department and the one who attends meeting of Finance department. The one who attends the meeting of Administration department attends before the one who attends of Finance department. The one who attends meeting of Finance department does not attend on Saturday. The number of persons who attend meeting between L and the one who attends the meeting of Finance department is the same as the number of persons who attend meeting between O and the one who attends the meeting of Security department. The one who attends the meeting of the Security department attends before O. O does not attend meeting of HR

department. Q attends the meeting on the day immediately before the day on which L attends the meeting. O does not attend the meeting on the day just after the day on which L attends meeting. The number of persons who attend meeting between L and P is the same as the number of persons who attend meeting between L and R. P attends the meeting on one of the days before the day on which R attends the meeting. N attends the meeting in Administration department. R does not attend meeting of the Security department.

31. Who among the following attends the meeting on Friday?

- (1) O (2) M (3) P
(4) N (5) R

32. Which of the following combinations of “Person -Day” is true with respect to the given arrangement?

- 1) R-Friday 2) M-Saturday 3) Q-Thursday
4) P-Friday 5) P-Tuesday

33. L attends the meeting in which of the following departments?

- (1) Security (2) HR
(3) Administration (4) Finance
(5) Either 1) or 2)

34. In this arrangement, Q is related to Monday, and L is related to Security. Then N is related to

- (1) Thursday (2) Wednesday (3) HR
(4) None of those given as options (5) Sunday

35. How many persons attend the meeting between P and O?

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

Directions (Q. 36-40): In these questions, a relationship between different elements is shown in the statements. The statements are followed by two conclusions. Give answer

- I) if only conclusion I is true.
2) if only conclusion II is true.
3) if either conclusion I or II is true.
4) if neither conclusion I nor II is true.
5) if both conclusion I and II are true.

36. **Statements:** $L > I = N > P; I \geq R > K;$

$$N \leq E < Z$$

Conclusions: I. $E > P$ II. $R < L$

37. **Statements:** $S > A = N \geq D; A \geq L > E;$

$$M \leq L \leq D$$

Conclusions: I. $S > E$ II. $L < S$

38. **Statements:** $L > I = N > P; I \geq R > K; N \leq E < Z$

Conclusions: I. $K > N$ II. $I < Z$

39 **Statements:** $P \geq V > R \leq E < Y; G \geq E > N$

Conclusions: I. $P > N$ II. $G \geq Y$

Statements: $S > A = N \geq D; A \geq L > E; M \leq L \leq D$

Conclusions: I. $A > M$ II. $A = M$

Directions (Q.41-45): Study the following information and answer the given questions.

A, B, C, D, F, E, G and H are eight friends and sitting around a circular table but not necessarily in the same order some of them are facing the centre and the remaining are facing outward. A sits third to the right of H. Two people sit between H and B. C sits second to the left of B. There are three people between B and E. D sits second to the left of F, who is not immediate neighbour of A. The immediate Neighbours of H face the same direction as H. F sits third to the left of A, who faces the centre, the immediate neighbours of A face opposite direction of A.

41. Who is sitting third to the right of F?

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

42 Who are facing the centre?

- (1) AD 2) AGH 3) AB
(4) ADC 5) None of those given as options

43. Who sits opposite H?

- 1) A 2) D 3) F
4) E 5) G

44. How many persons are sitting between C and B, when counted from left of C?

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

45) Who among the following are sitting exactly between D and C when counted from the right of D?

- 1) HE 2) CE 3) FH
4) BF 5) DF

Directions (Q.46-50): Study the following information carefully and answer the given questions.

Ten persons are sitting in two parallel rows containing five persons in each row. In the 1st row, M, N, O, P and Q are sitting facing south. In the 2nd row, U, V, X, Y and Z are sitting facing north. Therefore in the given seating arrangement, each member seated in a row faces another member of other row. They like different colours - Red, Orange, Blue, Brown, Black, White, Yellow, Pink, Peach and Grey (not necessarily in same order). M doesn't like Brown and P likes Black. Y sits third to the left of U, who likes Yellow. M faces the immediate neighbour of Y, who likes Orange. The one who likes Peach sits at the extreme end. O sits second to the right of M. The one who likes Red faces the one who likes Pink but M doesn't like Pink. Only one person sits between N and P. V and Z are immediate neighbours. Z does not face M or N, who doesn't like Grey. The one who faces U likes White. The one who faces an immediate neighbour of Y likes Brown.

46. How many persons are sitting between N and the one who likes White?

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

47. Who among the following faces P?

- 1) U 2) The one who likes Pink
4) X 4) N
5) The one who likes Grey

48. Which of the following is true regarding M?

- 1) N and X are immediate neighbours of M.
2) M sits at one of the extreme ends of the row.
3) M likes Black.
4) P sits to the immediate left of M.
5) None of these

49. Which of the following pairs sit exactly in the middle of the rows?

- 1) M, Z 2) P, Y 3) U, N
4) M, V 5) Other than those given as options

50. V likes which of the following colours?

- 1) Brown 2) Pink 3) Black
4) White 5) Other than those given as options

Directions (Q.51-55): Study the following information and answer the given questions.

In a certain code, 'detail event year this' is written as 'bi gv oc st', 'event revised of awaited' is written as 'tm oc da pu', 'of detail results first' is written as 'nh mk tm gv', and 'awaited great year of' written as 'da st rx tm'. (All codes are two letter codes only.)

51. In the given code language, what does the code 'mk' stand for?

- 1) either detail' or 'year' 2) this
3) of 4) Either 'first' or 'results' 5) great

52. What is the code for 'awaited' in the given code language?

- 1) tm 2) rx 3) st
4) da 5) Other than those given as options

53. What is, the code for 'event' in the given code language?

- 1) nh 2) oc 3) gv
4) pu 5) rs

54. What is the code for 'awaited revised' in the given code language?

- 1) ve be 2) da nh 3) nh ve
5) pu da 5) bi da

55. If 'of year home' is written as 'aj tm st' in the given code language, then what is the code for 'home revised this'?

- 1) aj gv nh 2) pu aj bi 3) nh bi Pu
4) bi da aj 5) aj oc pu

56. How many such pairs of letters are there in the word "TRANSFER", each of which has as many letters between them in the word as they have between them in the English alphabetical series?

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

57. What should come in place of question mark (?) in the following series based on the above arrangement? **BED EIG HMJ KQM ?**

- 1) PUN 2) OUQ 3) NUQ
4) NUP 5) NUR

Directions (Q.58-59): Read the following information and answer the given questions.

R is sister of Q. M is father of R. V is son of Q. C is maternal grandfather of V. M does not have married daughter.

58. How is R related to V?

- 1) Uncle 2) Aunt 3) Mother
4) Cannot be determined 5) Nephew

59. If B is married to Q, then how is B related to M?

- 1) Grandson 2) Son-in-law 3) Son
4) Daughter-in-law 5) Cannot be determined

Directions (Q. 60-62): Read the following information and answer the given questions.

A certain number of persons are seated in a row and all are facing north. Ranjan sits fourth from the left end of the row. There sit Two persons between Ranjan and Seema. Puja sits on the immediate right of Seema. There sit as many persons between Puja and Seema as between Dinesh and Pooja. Dinesh does not sit on the left of Ranjan.

64. How many persons sit between Ranjan and Dinesh?

- 1) Three 2) Five 3) None 4) Four 5) One

65. What is the position of Puja with respect to Ranjan?

- 1) Immediate right 2) Third to the left
5) Other than those given as options
4) Second to the left 5) Fourth to the right

62. How many persons are sitting in the row?

- 1) 4 2) 6 3) 10 4) 11 5) 9

Directions (Q. 63-65): Read the following information and answer the given questions.

There are six persons S, T, U, V, W and X, who got different marks in the examination. S got more marks than only U and X. T got less marks than W, who did not get the highest marks in the examination. The second highest person got 92 marks.

63. How many persons got more marks than U?

- 1) Four 2) Two 3) Five 4) Can't 5) One

64. If S got 69 marks and U got 68 marks, then which of the following statements is/are true?

- 1) X got the lowest marks.
2) U got the fifth highest marks.
3) Five persons got more marks than X.
4) All are true 5) X got 66 marks is a possibility.

65. V got which of the following possible scores?

- 1) 85 2) 66 3) 92 4) 89 5) 94

III - QUANTITATIVE APTITUDE

Directions (Q. 66-71): Study the table and answer the given questions.

Total number of students in 4 different classes and, the percentage of students participating in Dance and Play

Clas s	Total Students	% of participating students	
		Dance	Play
VI	500	15	8
VII	400	10	6
VIII	360	25	10
IX	250	10	12

Note: The students who participate in Dance do participate in Play and vice versa.

66) What is the ratio of the no. of students participating in Dance from Class VII and IX together to the no. of students participating in Play from Class VI and VIII together?

- 1) 43: 53 2) 65: 76 3) 44: 57
4) 63: 71 5) 62: 77

67) What is the average no. of students who participate in Play from all the classes?

- 1) $32\frac{1}{2}$ 2) $34\frac{1}{2}$ 3) $27\frac{1}{2}$
4) $35\frac{1}{2}$ 5) $30\frac{1}{2}$

68. The no. students who participate in Dance from Class VII is what per cent more or less than that who participate in Play from Class IX?

- 1) $12\frac{2}{7}$ 2) $14\frac{2}{7}$ 3) $33\frac{1}{3}$
4) $16\frac{2}{3}$ 5) $66\frac{2}{3}$

69. What is the total number of students who do not participate in Dance and Play from Class VI and IX together?

- 1)720 2) 480 3)620 4)580
5) Other than those given as options

70. If 20% of students who participate in Dance from Class VI also participate in Play, then find the ratio of the number of students from Class VI who participate only in Dance to that who participate only in Play.

- 1) 25: 16 2) 16: 25 3) 19: 20
4) 20: 19 5) 12: 5

71. The no. of students participating in Dance from Class VII is what per cent of the no. of students participating in Play from Class IX?

- 1) $33\frac{1}{3}\%$ 2) $120\frac{2}{7}\%$ 3) $114\frac{2}{7}$
4) $133\frac{1}{3}\%$ 5) $116\frac{2}{3}\%$

Directions (Q. 72-76): In the following questions two equations numbered I and II are given. Solve both the equations and give answer

- 1) if $x \geq y$ 2) If $x < y$ 3) if $x \leq y$
4) if $x = y$ or relationship can't be established
5) if $x > y$

72. I. $x^2 - 5x + 6 = 0$ II. $3y^2 + 3y - 18 = 0$

73. I. $x^2 - 11x + 30 = 0$ II. $y^2 - y - 20 = 0$

74. I. $2x^2 + 2x - 4 = 0$ II. $y^2 - 5y + 4 = 0$

75. I. $x^2 + 6x - 16 = 0$ II. $y^2 - 6y + 5 = 0$

76. I. $x^2 - 4 = 0$ II. $y^2 - 9y + 20 = 0$

Directions (Q. 77-82): What approximate value will come in place of question mark (?) in the given questions? (You are not expected to calculate the exact value.)

77. $(\sqrt{80.997} - \sqrt{25.001}) \times \sqrt{120.90} + \sqrt{16.02} = ?$

- 1)50 2)60 3)75
4)70 5)55

78. $55.01 - 345.02 \div 22.99 = 2 \times ?$

- 1) 20 2) 25 3) 22
4) 15 5) 18

79. $\sqrt{3099.85} \div 62.001 + 14.001 = ?$

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

80. $(111.99 \times 5) \div 14.02 = 11.002 + ?$

- 1) 34 2) 19 3) 39
4) 28 5) 29

81. 24.97% of $84.01 \div 6.995 = ?$

- 1) 3 2) 4 3) 5
4) 7 5) 6

82. $(184.002 - \frac{29}{5}) \times 29.99 = ?$

- 1) 4950 2) 4820 3) 5520
4) 5340 5) 5260

83, The sum of the present ages of A, B, C and D is 76 years. After 7 years the ratio of their ages becomes 7: 6 : 5: 8. What is C's present age?

- 1) 14 2) 12 3) 13
4) 8 5) 10

84. The sum of the length of two trains A and B is 660 m. The ratio of the speed of A to that of B is 5: 8. The ratio of time to cross an electric pole by train A to that by B is 4: 3. Find the difference between the length of the two trains.

- 1) 50 2) 60 3) 80
4) 75 5) 90

85. A mixture of milk and water in a jar contains 28 L milk and 8 L water. X L milk and X L water are added to form a new mixture. If 40% of the new mixture is 20 L, then find the value of X? (in litres)

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

86. A alone can do a piece of work in 24 days. The time taken by A in completing $\frac{1}{3}$ of the work is equal to the time taken by B in completing $\frac{1}{2}$ of the work. In what time will A and B together complete the work?

- 1) 9 days 2) 10 days 3) 12 days
4) $\frac{48}{5}$ days 5) 8 days

87. The marked price of A is 1600 more than its cost price. When a discount of 500 is allowed a profit of 25% is earned. At what price should A be sold to earn a 30% profit?

- 1) 4800 2) 5600 3) 5400
4) 5200 5) 5720

88. The ratio of the diameter to the height of a right circular cylinder is 4: 3. If the diameter of the cylinder gets reduced by 25% then its total surface area is reduced to 318.5 square metre. What is the circumference of the base of the original cylinder? (m cm)

- 1) 28π 2) 14π
3) $7\sqrt{\pi}$ 4) 7π
5) Other than those given as options

89. The tens digit of a three-digit number is 3. If the digits at units and hundreds places are interchanged then the number thus formed is 396 more than the previous one. Also the sum of the units digit and hundreds digit is 14. Then what is the number?

- 1) 480 2) 539
3) 593 4) 935
5) Other than those given as options

90. S1 is a series of 4 consecutive even numbers. If the sum of the reciprocal of the first two numbers of S1 $\frac{11}{60}$ then what is the reciprocal of the third highest number of S1?

- 1) $\frac{2}{13}$ 2) $\frac{1}{14}$ 3) $\frac{2}{17}$ 5) $\frac{1}{13}$
5) Other than those given as options

91. A, B and C invested in a business in the ratio of 6: 8: 9. B invested for a period whose numerical value is 112.5% of the term of ratio B's investment but A and C invested for one year. If the profit of B at the end of the year is 16750 then what is the share of the profit of C?

- 1) 20225 2) 22125 3) 25225
4) 25125 5) 23125

92. A boat covers 18 km downstream in 3 hours, If the speed of the current is $\frac{1}{30}$ of its downstream speed. In what time will it cover a distance of 100 km upstream?

- 1) 50 hours 2) 40 hours 3) 30 hours
4) 60 hours 5) 25 hours

93. The ratio of the cost price to the selling price of an article is 5: 6. If 20% discount is offered on the marked price of the article then the marked price is what percent more than the cost price?

- 1) $\frac{100}{3}\%$ 2) 50% 4) 40%
4) $\frac{200}{3}$ 5) 60%

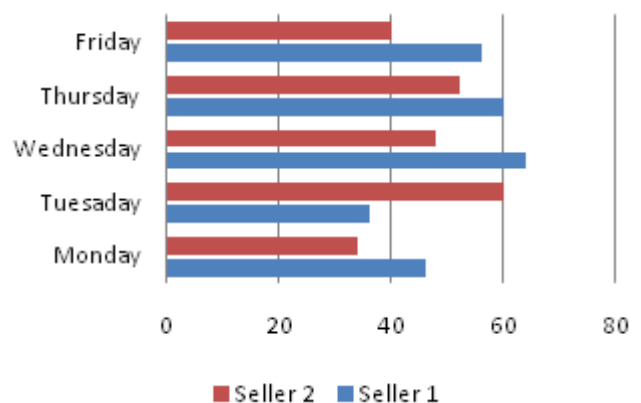
94. Ramesh has 20% savings with him from his monthly salary. If the expenditure on clothing is 25% of overall expenditure and his total expenditure except clothing is 3600, then find his savings (in Rs)

- 1) 1000 2) 1500 3) 1600
4) 1200 5) 900

Directions (Q. 95-100): Study the bar graph and answer the given questions.

Two types of hats Sold by Seller A and Seller B on Five days:

Chart Title



	Mon	Tues	Wed	Thur	Fri
Seller1	46	36	64	60	56
Seller2	34	60	48	52	40

95) The total number of hats sold by A and B together on Wednesday is hat percentage more than the number of hats sold by A and B together on Tuesday?

- 1) $15\frac{2}{3}\%$ 2) $8\frac{1}{3}\%$ 3) $16\frac{2}{5}\%$
 4) $16\frac{2}{3}\%$ 3) $21\frac{3}{7}\%$

96. If the number of hats sold on Friday by A is increased by 25% then What will be the average no. of hats sold on Monday Wednesday and Friday by A?

- 1) 85 2) 58 3) 56
 4) 82 5) 60

97. Find the number of hats sold on Saturday by A and B together, if the number of hats sold on Saturday is 7% more than the no. of hats sold on Thursday by A and B together.

- 1) 110 2) 114 3) 116
 4) 18 5) 120

98) What is the difference between the number of hats sold on Monday and Wednesday by B to the number of hats sold on Friday by both A and B together?

- 1) 9 2) 12 3) 14
 4) 21 5) 24

99) A sold 80% defective hats on Thursday and B sold 75% defective hats on same day. Find the number of hats sold by A and B on Thursday that are not defective.

- 1) 25 2) 20 3) 18
 4) 32 5) 40

100) Find the ratio of the number of hats sold by A on Tuesday and Friday together to the number of hats sold by B on the same days.

- 1) 25: 23 2) 23: 25 3) 21:25
 2) 25: 21 5) 18: 17

ALL THE BEST

RBI Rates & Ratios Policy	
Repo Rate	6.00%
Reverse Repo Rate	5.75%
Marginal Standing Facility Rate	6.25%
Bank Rate	6.25%
CRR	4%
SLR	19.5%

ANS:

1.2	2.2	3.2	4.3	5.5	6.3
7.4	8.1	9.3	10.4	11.5	12.3
13.5	14.1	15.1	16.3	17.5	18.4
19.4	20.4	21.4	22.3	23.5	24.2
25.4	26.5	27.4	28.3	29.3	30.1
31.2	32.3	33.4	34.1	35.2	36.2
37.1	38.4	39.3	40.5	41.4	42.2
43.3	44.4	45.5	46.3	47.5	48.5
49.3	50.4	51.3	52.3	53.1	54.3
55.3	56.2	57.4	58.3	59.1	60.2
61.4	62.4	63.2	64.4	65.3	66.3
67.2	68.5	69.4	70.5	71.2	72.4
73.4	74.1	75.3	76.2	77.4	78.5
79.4	80.2	81.5	82.3	83.1	84.5
85.5	86.3	87.2	88.4	89.4	90.1
91.4	92.5	93.5	94.5	95.3	96.3
97.2	98.4	99.5	100.5		