

Bank of Baroda PO Exam

TEST - I: REASONING

Directions (Q. No. 1 – 4) Read the following information and answer the questions given below.

- I. Kundanmal is available at home between 12 noon and 4 pm on Tuesday, Thursday and Sunday.
II. His younger brother Nainamal is available at home on Monday, Thursday, Friday, Sunday between 10 am and 2 pm.
III. The eldest brother Jethamal is available between 9 am and 12 noon on Monday, Wednesday and Thursday and 2 pm and 4 pm on Friday, Saturday and Sunday.

- On how many days is only one brother available a particular time in a week?
(1) Four (2) Three (3) Two (4) One (5) None of these
- On which day of a week are all three brothers available at home at a time?
(1) Sunday (2) Thursday (3) None (4) Can't be determined (5) None of these
- One which day of a week the youngest and the eldest brothers are available at home at the same time?
(1) Only Monday (2) Only Thursday (3) Only Friday (4) Both Monday and Thursday
(5) Both Sunday and Friday
- On which day the younger two of the three brothers are never available at home?
(1) Thursday (2) Friday (3) Sunday (4) Never (5) None of these

Directions (Q. Nos. 5 – 8) Read the following information carefully to answer the questions given below.

In a 100 m sprint race there are three heats before the final. Three athletes are selected from each heat. Prakash, Dilip and Deepak are selected from 1st, 2nd and 3rd heats respectively. Prakash runs faster than Rajesh. Saket is the faster runner and is selected in 2nd heat. Ravi and Rajesh are from the same heat. Rajesh runs faster than Ravi and Jeetu runs faster than Deepak. Arun is selected in the 3rd heat and is the faster runner after Saket. Mohit is the slowest runner.

- Which of the following triplets consists of the winners of the three respective heats?
(1) Prakash, Dilip, Arun (2) Saket, Arun and Jeetu (3) Rajesh, Saket, Arun
(4) Can't be determined (5) None of these
- Who among the following is selected at 3rd number in 3rd heat?
(1) Rajesh (2) Mohit (3) Deepak (4) Either Mohit or Deepak (5) None of these
- Jeetu is selected in which of the following heats?
(1) I (2) II (3) III (4) Either I or II (5) Either II or III
- Which of the following triplets consists of winner of the first heat, first runner-up of the second heat and second runner-up of the third heat respectively?
(1) Prakash, Dilip, Deepak (2) Prakash, Jeetu, Mohit
(3) Prakash, Dilip, Mohit (4) Can't be determined (5) None of these

Directions (Q. Nos. 9 – 13) Study the following information carefully to answer the questions given below.

A word arrangement machine when given an input line of words, rearranges them following a particular rule in each step. The following is an illustration of the input and the steps of rearrangement.

Input: going but for crept te light sir

Step I: crept going but for te light sir

Step II: crept going light but for te sir

Step III: crept going light but for sir te

(Step III is the last step for this input)

As per the rules followed in the above steps, find out in the given questions the appropriate step for the given input.

- Input:** the in car as he may me
Which of the following will be the third step for this input?
(1) car the in as he may me (2) car may the as in he me
(3) car as may he the in me (4) car may the in as he me
(5) None of these
- If the Step II of an input 'clever remand window sales batch tiger never' which of the following will be its Step VI?
(1) Clever remand window batch sales tiger never (2) Window remand clever sales batch tiger never
(3) Batch never sales tiger clever remand window (4) Clever remand window tiger batch sales never
(5) It can't have Step VI
- If the input is 'true se veto be nuke my like', which of the following will be the Step IV?
(1) like nuke true veto be se my (2) be my like se true veto nuke
(3) be my se like true veto nuke (4) veto true nuke like se be my

- (5) Can't be determined
12. **Input:** 'more fight cats cough sought acts idea'.
Which of the following steps would be the last step for this input?
(1) III (2) IV (3) V (4) VI (5) VII
13. If the Step V of an input is 'more pure soft can not so sir at', what will be the Step II ?
(1) at so more pure cat not soft sir (2) more pure soft so sir cat at not
(3) more pure soft cat so sir at not (4) more so sir soft pure cat at not
(5) Can't be determined

Directions (Q. Nos. 14 – 18) Below is given a passage followed by several possible inferences which can be drawn from the facts stated in the passage. You have to examine each inference separately in the context of the passage and decide upon its degree of truth or falsity. Giver answer

- (1) If the inference is 'definitely true', i.e., it properly follows from the statement of facts given
(2) If the inference is 'probably true' though not 'definitely true' in the light of the facts given
(3) If the 'data are inadequate' i.e., from the facts given you cannot say whether the inference is likely to be true or false.
(4) If the inference is 'probably false' though not 'definitely false' in the light of the facts given.
(5) If the inference is 'definitely false', i.e., it cannot possibly be drawn from the facts given for it contradicts the given facts

There is a new definition of wealth today. Wealth is no more measured in terms of fixed assets such as buildings, land, bank account, etc. But adding value through knowledge gives nations a competitive advantage. Experts say that India is a developing country but it is one of the most developed countries as far as its intellectual wealth is concerned. People describe India in many ways. Many say India is a rich country where poor people live., The Indian challenge is simply that rather than being described as a rich country where poor people live, someday someone will have to describe us as a rich country where rich people live. This can happen only when we realize the wealthy creation potential of knowledge through science. Science can make economics sense only when we wake up the scientist in an entrepreneur and also the entrepreneur in a scientist. But our fundamental problem in this regard is-our research institutions and the business units in industry have different cultures. The institutions work on the basis of scientific novelties and perceived needs, whereas the business units work on the basis of attractiveness in the market and potential for profits. There is a need for both R & D institutions as well as industry to change their mindset.

14. Wealth is measured in terms of those knowledge-based systems which add value.
15. There is a difference in the basic orientation between the institutions and the industry.
16. The richness of India is due to its intellectual prowess and its rich tradition.
17. Science-business link in India is strong.
18. The wealth creation potential of knowledge is something that Asians have not fully understood.

Directions (Q. Nos. 19 – 23) in each question below, there are three statements followed by four conclusions answered I, II, III and IV. You have to take the given statements to be true even if they seem to be at variance with commonly known facts and then decide which of the given conclusions logically follow(s) from the given statements.

19. **Statements:** All brooks are needles. Some needles are hooks. No hooks are switches.
Conclusions:
I. Some needles are not hooks. II. Some brooks are hooks.
III. Some needles are not switches. IV. Some brooks are not switches.
(1) All follow (2) III and IV follow (3) I and III follow (4) Only III follows
(5) None of these
20. **Statements:** All drums are trains. All trams are drums. Some drums are jars.
Conclusions:
I. All trams are trains. II. All trains are trams
III. Some trains are not trams. IV. Some trams are not jars.
(1) None follows (2) Only I follows (3) I and either II or III follow (4) Only either II or III follows
(5) None of the above
21. **Statements:** All mortars are shells. All stones are mortars. No bricks are mortars.
Conclusions:
I. Some stones are shells. II. No stones are shells.
III. Some shells are stones IV. No shells are bricks.
(1) I and either II or III follow (2) I and III follow (3) Only III follows (4) Only I follows
(5) None of these
22. **Statements:** All players are cricketers. No cricketer is a winner. Some cricketers are footballers.
Conclusions:
I. All players are winners. II. Some players are winners
III. Some players are not winners IV. Some footballers are players.
(1) None follows (2) II and IV follow (3) Only either I or II follows (4) II and III follow
(5) None of these

23. **Statements:** No stick is a book. All books are globes. All sticks are bricks
Conclusions:
 I. No bricks are globes II. Some globes are bricks
 III. Some sticks are not bricks IV. Some bricks are not sticks
 (1) None follows (2) Only I follows (3) Only II follows (4) All follow (5) None of these

Directions (Q. Nos. 24 – 27) Each of the questions below consists of a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements. Giver answer

- (1) If the data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question
 (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
 (3) If the data either in statement I alone or in statement II alone are sufficient to answer the question
 (4) If the data in both statements I and II even together are not sufficient to answer the question
 (5) If the data in both statements I and II together are necessary to answer the question.
24. Is X the father of Y?
 I. Y is the only son of X. II. Z is the mother of Y.
25. Among Japanese Yen, Australian Dollar, Hong Kong Dollar and Singapore Dollar, which currency has the lowest value in terms of Indian rupees?
 I. One rupee is equal to 2.56 Japanese Yen, 0.338 Australian Dollar and 0.465 Hong Kong Dollar.
 II. Value of Australian Dollar is equal to Singapore Dollar.
26. Amit, Sumit, Punit and Udit are four friends. They sit around a table square in size. One person sits facing each side of the square. Which direction is Amit facing?
 I. Amit is opposite Punit, who is on the immediate left of Udit, who is facing west.
 II. Sumit is opposite Udit, who is on the immediate right of Punit, who is facing North.
27. How many boys and girls are there in the school X?
 I. In the 'school' X there are 158 students. There are more girls than boys.
 II. Only 1 / 11 of the girls wear glasses, while 1/7 of the boys wear glasses.

Directions (Q. Nos. 28 – 32) In each question below is given a statement followed by two assumptions numbered I and II. An assumption is something supposed or taken for granted. You have to consider the statement and the following assumptions and decide which of the assumptions is implicit in the statement. Giver answer

- (1) If only assumption I is implicit (2) If only assumption II is implicit
 (3) If either I or II is implicit (4) If neither I nor II is implicit
 (5) If both I and II are implicit
28. **Statement:** "Policies and programmes and seminars cannot change the women's status. There is a greater need for attitudinal change in the society towards working women." - View of Mr. X
Assumptions:
 I. It is possible to make change in the attitude of the society towards working women.
 II. Status of the working women is not satisfactory.
29. **Statement:** "Government of State X's step, according to which it has been decided to provide cooked meal to the students of all primary schools of the states, is not a proper and judicious step." Criticism by a person.
Assumptions:
 I. Students may hesitate to eat the cooked meal provided by the Government
 II. The cooked meal served to the students may be hazardous for the health of students.
30. **Statement:** "Although no war was witnessed during the tenure of prime ministership of Mr. X, a large number of top bravery medals were conferred upon many conferred upon many cops in the name of curbing terrorism and eliminating terrorists of different organizations belonging to our own states". ---- View of a citizen
Assumptions:
 I. It is disgraceful of cops to name the act of killing of terrorists of our own country as an act of bravery.
 II. A war is less harmful for a country than menace of terrorism.
31. **Statement:** "Completely eliminating the say of executive is not acceptable; merit, ability, competence, integrity and suitability of the candidate alone are not enough for appointment of High Court Judges, " --- A journalist.
Assumptions:
 I. A person's social outlook, concern for public interest and promotion of equality and his / her political outlook are also equally important.
 II. Executive consultation will ensure greater transparency of the appointment.
32. **Statement:** "The potential of knowledge as a creator of wealth is gaining currency all around the world." ___ View of an economist
Assumptions:
 I. Only usable knowledge that is protectable may have the potential of wealth creation.
 II. Only usable knowledge that is protected may have the potential of wealth creation.

Directions (Q. Nos. 33 – 35) Read the following information carefully and answer the questions given below.

In a party there are eight friends in which four are boys and remaining are girls, in which girls are Ela, Ishita, Chitra and Diya and boys are Badal, Hitesh, Faruq and Ganesh. In between these eight friends one girl and one boy are the host. They are sitting around a rectangular table. Three are on the longer side of the rectangular table and hosts are on the remaining side. Some additional information is given below.

- A. All four girls are sitting adjacent to each other and Diya is 3rd right of Ganesh
B. Ganesh is the host sitting 2nd left of Chitra. Hitesh and Chitra are sitting opposite to each other.
C. Ishita is 3rd left of Ganesh. Faruq is third left of Ela.

33. Who is the 2nd host in this arrangement?
(1) Hitesh (2) Badal (3) Ela (4) Chitra (5) None of these
34. What is the Chitra's position?
(1) Immediate left of Ganesh (2) Immediate right to Ganesh
(3) Faruq's 2nd right (4) Faruq's immediate right
(5) Immediate left of Ela
35. Who is immediate left of Diya?
(1) Ishita (2) Badal (3) Faruq (4) Ganesh
(5) None of these

Directions (Q. Nos. 36 – 40) Study the following information carefully and answer the questions given below.

In a family of eight persons - P, Q, R, S, T U, V and W --- there are four males and four females. There are three married couples and two persons are unmarried. Each of them reads a different magazine, viz India Today (E), India Today (H), Outlook (E), Outlook (H), Frontline, The week, Businessworld and Sportsstar. No couple reads both the versions of the same magazine.

In the family of two generations, each male member except W has two brothers and one sister. V is the mother-in-law of R and reads India Today (H), Q, who reads Outlook(E), is the daughter-in-law of W. T, who reads Frontline, is the unmarried brother of U, who does not read Businessworld. No female reads Outlook (H) or The Week. S is the brother-in-law of R but he does not read Businessworld, Sportsstar or The Week. P does not read the Week. W has no son-in-law. U is Q's sister-in-law.

36. Who among the following reads Outlook (H)?
(1) Can't say (2) S (3) P (4) R (5)None of these
37. R reads which of the following magazines ?
(1) Cant' say (2) India Today (E) (3) Businessworld (4) Sportsstar (5) None of the above
38. Which of the following pairs of persons does not represent the couples?
I. W and V II. P and R III. S and Q
(1) Can't say (2) Only I (3) Only II (4) Only III
(5) All of the above pair of persons represent the couples
39. How many sons does W have ?
(1) Two (2) Three (3) One (4) Can't say (5) None of these
40. How is P related with U?
(1) Father (2) Brother (3) Husband (4) Can't say (5) None of these

Directions (Q. 41 – 45): Read the following passage and answer the given questions according to the passage:

Even as the reverberations of the violence inflicted on a group of Dalit men by "cow protection" vigilantes near the small Gujarat town of Una are felt in Parliament, the protests continue to spread across the State. Large parts of Saurashtra, the region rocked most by agitations led by Dalit groups, were practically shut down on Wednesday after a bandh call, and different modes of protest have been adopted. It is a protest that appears to have grown organically in response to the violence the men bore on July 11, a video of which had been posted online by one of the assailants. They were stripped, flogged, bound and paraded on accusations that they had killed a cow for skinning. It is a videographic record of both random and systemic cruelty. The various modes of protest must be seen as a cry for redressal and systemic social change all around. Some have protested by attempting suicide, and one died after consuming a poisonous substance. Certain protesters have taken to dumping animal carcasses near a district official's office. There has been mobilization on the streets across Gujarat, with one policeman succumbing to injuries after stonepelting by protesters. There are plans for more Statewide protests. This is a rage that needs a comprehensive and holistic response rather than a confrontationist approach relying heavily on firefighting.

41. What should be the *courses of action* taken by the administration for the victims regarding the case mentioned in the above passage?
(i) The victims of the Una assault must be reassured by the authorities that their assailants are punished.
(ii) The administration must insure their safety, so that reprisals are not visited upon them.

(iii) As per the provisions of Atrocities Act, district administration should have to declare a compensation amount to the victims.

(iv) The culprits should be charged with attempted murder and should be jailed at least ten years.

(1) All of the above (2) All except (iii) (3) All except (iv) (4) All except (i) (5) All except (ii)

42. Which of the following *cannot be postulated* in contrast with the given passage?

(i) The Dalit uprising has become a rational issue now and if it is not tackled properly, it could cause a severe damage to the Gujarat governance body.

(ii) Some of the alleged attackers on the Dalits were arrested.

(iii) Dalit family was allegedly beaten up by all the people of Gau Rakshas of Una town.

43. (1) None of the above (2) All except (i) (3) All except (ii) (4) All except (iii) (5) All of the above
Should Dalits should be beaten for skinning dead cows?

Which of the following arguments holds strong in contrast with the given passage?

(i) Yes, violence and intimidation in the name of the cow (or beef) will not be tolerated.

(ii) No, there are some authorities and departments to whom such powers are given.

(1) Only (i) (2) Only (ii) (3) Either (i) or (ii) (4) Neither (i) nor (ii)

(5) Both (i) and (ii)

44. Which of the following is/are *not in line* in contrast with the given passage?

(i) These things are very common in a country of huge diversity and least discipline.

(ii) This whole incident has been stagemanaged to discredit the government in power and the forthcoming UP elections.

(iii) The vandalism in the name of Gou Raksha in Gujarat is an utmost distressful and painful event.

(1) All of the above (2) Only (iii) (3) Only (ii) (4) Both (b) and (c) (5)

Only (i) and (ii)

45. What may be the *possible fallouts* of this dangerous vigilantism in contrast with the given passage?

(i) The various modes of protests will cause a great loss to social and economic conditions in the state.

(ii) The center will pass a bill in the current session that those who indulge in atrocities against the Dalits will be suffer life imprisonment.

(1) Only (i) (2) Only (ii) (3) Either (i) or (ii) (4) Neither (i) nor (ii)

(5) Both (i) and (ii)

Directions (Q. 46 – 50): In the following questions, the symbols \$, %, @, © and * are used with the following meaning as illustrated below.

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

'P\$Q' means 'P is neither smaller than nor equal to Q'

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

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

'P©Q' means 'P is not smaller than Q'

Now in each of the following questions assuming the given statements to be true, find which of the three conclusions I, II and III given below them is/are definitely true and given your answer accordingly.

Statements:

V©K, K@B, B\$M

Conclusions:

I. V©B

II. M©K

III. M©V

46. (1) None is true (2) Only I is true (3) Only II is true (4) Only III is true (5) Only II and III are true

Statements:

D*R, R%F, F\$T

Conclusions:

I. F%D

II. F\$D

III. T©R

47. (1) Only I is true (2) Only II is true (3) Only III is true (4) Only either I or II is true
(5) Only either I or II and III are true

Statements:
 N@D, D*K, K\$A
Conclusions:
 I. K@N
 II. A@D
 III. N\$A

48. (1) None is true (2) Only I is true (3) I and II are true (4) I and III are true (5) All are true

Statements :
 K@T, T\$N, N@R
Conclusions:
 I. R\$K
 II. N*K
 III. K\$N

49. (1) None of true (2) Only I is true (3) Only II is true (4) Only III is true (5) All are true.

Statements:
 W%K, K@F, D\$F
Conclusions:
 I. D\$K
 II. D\$W
 III. F@W

50. (1) Only I and III are true (2) Only I and II are true (3) Only II and III are true (4) All, I, II and III are true
 (5) None of above

TEST - II: QUANTITATIVE

Directions (51-55): Study the following information carefully and answer the questions that follow:

The ratio of girls to boys in a class is 7:8, respectively. All the students study 3 different languages, Hindi, English and Marathi. 30% of the boys study only English. 400 girls study only English and Hindi i.e. $\frac{2}{7}$ th of the total number of girls. One-eighth of the boys study only English and Marathi. Number of girls studying only English is 85% of the boys studying the same. Two-fifth of the boys study only Hindi and Marathi. The number of boys studying only English and Hindi is 10% of the girls studying the same. The remaining boys study only Hindi. 40% of the girls study only Hindi. The remaining girls study only Hindi and Marathi.

51. The number of girls studying only Hindi and Marathi is what percent of number of boys studying only Hindi?
 (1) 13 $\frac{1}{3}$ % (2) 13 $\frac{2}{3}$ % (3) 16 $\frac{2}{3}$ % (4) 17 (5) None of these
52. The number of boys studying only Marathi and English is what times of the number girls studying only Hindi.
 (1) 0.26 (2) 0.31 (3) 0.36 (4) 0.41 (5) 0.45
53. What is the respective ratio of girls studying only English to boys studying only English and Hindi?
 (1) 5:43 (2) 45:7 (3) 51:7 (4) 54:11 (5) None of these
54. Find the difference between girls studying English in all and the boys studying English in all.
 (1) 68 (2) 88 (3) 95 (4) 98 (5) None of these
55. The number of boys studying only Marathi is what percent of the number of girls studying only English?
 (1) 15 % (2) 25 % (3) 35 % (4) 45 % (5) None of these

Directions (Q. Nos. 56 – 60) What approximate value should come in place of question mark (?) in the following questions? Note : You are not expected to calculate the exact value.

56. (1) 132507 (2) 149428 (3) 120426 (4) 106438 (5) 112642
57. 63.5% of 8924.2 + ?% of 5324.4 = 6827.5862
 (1) 36 (2) 22 (3) 17 (4) 31 (5) 9
58. (1) 21 (2) 8 (3) 25 (4) 13 (5) 30
59. (1) 84 (2) 79 (3) 99 (4) 87 (5) 93
60. (1) 2149 (2) 1986 (3) 2083 (4) 2247 (5) 1805

Directions (Q. Nos. 61 – 65) In the following number of series only one number is wrong. Find out the wrong number.

61. 7, 56, 442, 3089, 18532, 92647, 370586
(1) 442 (2) 92647 (3) 18532 (4) 3089 (5) None of these
62. 8000, 3200, 1280, 512, 204.8, 84.92, 32.768
(1) 512 (2) 84.92 (3) 204.8 (4) 1280 (5) None of these
63. 898, 906, 933, 996, 1122, 1338, 1681
(1) 906 (2) 933 (3) 1122 (4) 1338 (5) None of these
64. 4, 55, 576, 4209, 21280, 64083, 64204
(1) 4209 (2) 576 (3) 21280 (4) 64204 (5) None of these
65. 3, 6, 16, 47.5, 154.5, 558.5, 2257
(1) 22.57 (2) 47.5 (3) 154.5 (4) 558.5 (5) None of these
66. Prakash, Sunil and Anil started a business jointly investing Rs. 11 lakh, Rs. 16.5 lakh and Rs. 8.25 lakh respectively. The profit earned by them in the business at the end of three years was Rs. 19.5 lakh. What will be the 50% of Anil's share in the profit?
(1) Rs. 4.5 lakh (2) Rs. 2.25 lakh (3) Rs. 2.5 lakh (4) Rs. 3.75 lakh (5) None of these
67. 8 men and 4 women together can complete a piece of work in 6 days. Work done by a man in one day is double the work done by a woman in one day. If 8 men and 4 women started working and after 2 days, 4 men left and 4 new women joined, in how many more days will the work be completed?
(1) 5 days (2) 8 days (3) 6 days (4) 4 days (5) 9 days
68. Mr. Duggal invested Rs. 20000 with rate of interest at 20% per annum. The interest was compounded half yearly for first year and in the next year it was compounded yearly. What will be the total interest earned at the end of two years?
(1) Rs. 8800 (2) Rs. 9040 (3) Rs. 8040 (4) Rs. 9800 (5) None of these
69. An order was placed for supply of carpet of breadth 3 m, the length of carpet was 1.44 times of breadth. Subsequently the breadth and length were increased by 25% and 40% respectively. At the rate of Rs. 45 per square metre, what would be the increase in the cost of the carpet?
(1) Rs. 1020.6 (2) Rs. 398.8 (3) Rs. 437.4 (4) Rs. 583.2 (5) None of these
70. The average weight of a group of 53 girls was calculated as 58 kg. It was later discovered that the weight of one of the girls was read as 65 kg, whereas her actual weight was 45 kg. what is the actual average weight of the group of 53 girls? (Rounded off to two digits after decimal)
(1) 58.62 kg (2) 58.37 kg (3) 57.37 kg (4) 57.62 kg (5) None of these

Directions (Q. Nos. 71 – 75) Study the following graph carefully and answer the questions that follow.

71. What is the average profit earned (Rs. in crore) in the given years?
(1) (2) 600 (3) (4) 200 (5) None of these
72. What approximately is the per cent profit earned during the year 2005?
(1) 48 (2) 43 (3) 52 (4) 49 (5) None of these
73. Which of the following years has the maximum per cent increase / decrease in income from the previous year?
(1) 2006 (2) 2005 (3) 2003 (4) 2007 (5) 2003 and 2005
74. What is the percentage increase in expenditure from 2003 to 2004 ?
(1) 25 (2) (3) (4) 30 (5) None of these
75. What is the average income (Rs. in crore) for the given years?
(1) (2) 280 (3) 450 (4) (5) None of these
76. In how many different ways can the letters of the word 'INCREASE' be arranged
(1) 40320 (2) 10080 (3) 64 (4) 20160
(5) None of these
77. What would be the compound interest accrued on an amount of Rs. 8400 at the rate of 12.5% per annum at the end of 3 yr? (Rounded off to two digits after decimal)
(1) Rs. 4205.62 (2) Rs. 2584.16 (3) Rs. 3560.16 (4) Rs. 3820.14 (5) None of these
78. What is the area of a circle whose circumference is 1047.2 m ?
(1) 87231.76 sq m (2) 85142.28 sq m (3) 79943.82 sq m (4) 78621.47 sq m (5) 69843.23 sq m
79. The ratio of the ages of a father and son is 17 : 7 respectively. 6 yr ago the ratio of their ages was 3 : 1 respectively. What is the father's present age?
(1) 64 (2) 51 (3) 48 (4) Can't be determined
(5) None of these

80. Karan starts a business by investing Rs. 60000. 6 months later Shirish joins him by investing Rs. 100000. At the end of one year from the commencement of the business, they earn a profit of Rs. 151800. What is Shirish's share of the profit?
 (1) Rs. 55200 (2) Rs. 82800 (3) Rs. 62500 (4) Rs. 96600 (5) None of these
81. On a school's Annual Day sweets were to be equally distributed amongst 112 children. But on that particular day, 32 children were absent. Thus, the remaining children got 6 extra sweets. How many sweets was each child originally supposed to get?
 (1) 24 (2) 18 (3) 15 (4) Can't be determined (5) None of these
82. If x is subtracted from y and difference is multiplied by 355, then what will be the final number?
 (1) 1004 (2) 884 (3) 774 (4) 994 (5) None of these
83. $\frac{1}{3}$ of $\frac{2}{3}$ of a number is 249.6. What is 50% of that number?
 (1) 3794 (2) 3749 (3) 3734 (4) 3739 (5) None of these
84. The length of a rectangular plot is thrice its breadth. If the area of the rectangular plot is 7803 sq m, what is the breadth of the rectangular plot?
 (1) 51 m (2) 153 m (3) 104 m (4) 88 m (5) None of these
85. Ratio of Rani's and Komal's age is 3 : 5 respectively. Ratio of Komal's and Pooja's age is 2 : 3 respectively. If Rani is two-fifth Pooja's age, what is Rani's age?
 (1) 10 yr (2) 15 yr (3) 24 yr (4) Can't be determined (5) None of these
86. In a mixture of milk and water the proportion of water by weight was 75% . If in the 60 g mixture, 15 g water was added, what would be the percentage of water? (Weight in grams)
 (1) 75% (2) 88% (3) 90% (4) 100% (5) None of these
87. The sum of five numbers is 290. The average of the first two numbers is 48.5 and the average of last two numbers is 53.5. what is the third number ?
 (1) 72 (2) 84 (3) 96 (4) 108 (5) None of these
88. In how many different ways can the letters of the word 'SMART' be arranged?
 (1) 25 (2) 60 (3) 180 (4) 200 (5) None of these
89. A sum of Rs. 2236 is divided among A, B and C such that A receives 25% more than C and C receives 25% less than B. What is A's share in the amount?
 (1) Rs. 460 (2) Rs. 890 (3) Rs. 780 (4) Rs . 1280 (5) None of these
90. If the numerator of a fraction is increased by 200% . and the denominator of the fraction is increased by 150%, the resultant fraction is $\frac{1}{2}$. What is the original fraction?
 (1) $\frac{1}{3}$ (2) $\frac{1}{4}$ (3) $\frac{1}{5}$ (4) $\frac{1}{6}$ (5) None of these

Directions (Q. Nos. 91 – 95) Study the table carefully and answer the questions given below.

The number of articles manufactured (M) and defected(D) in various units (thousands)

| Year | Unit | | | | | | | | | |
|------|------|----|----|----|-----|----|----|----|----|----|
| | I | | II | | III | | IV | | V | |
| | M | D | M | D | M | D | M | D | M | D |
| 1996 | 53 | 21 | 45 | 12 | 76 | 38 | 56 | 21 | 46 | 18 |
| 1997 | 49 | 18 | 32 | 10 | 45 | 24 | 63 | 24 | 36 | 14 |
| 1998 | 50 | 18 | 48 | 18 | 55 | 16 | 68 | 30 | 34 | 15 |
| 1999 | 65 | 20 | 68 | 15 | 57 | 20 | 54 | 19 | 48 | 12 |
| 2000 | 70 | 31 | 72 | 13 | 82 | 22 | 48 | 27 | 58 | 10 |
| 2001 | 44 | 15 | 56 | 22 | 38 | 32 | 40 | 15 | 60 | 11 |

91. What is the ratio between total number of articles manufactured by Unit III to that by Unit V for all the years together?
 (1) 353 : 282 (2) 282 : 353 (3) 457 : 215 (4) 215 : 457 (5) None of these
92. What is the average number of defective items from Unit II for the given years ?
 (1) 21500 (2) 17000 (3) 12500 (4) 15000 (5) None of these
93. During which year the largest percentage of articles were defective out of the articles manufactured by Unit IV?
 (1) 1996 (2) 1997 (3) 1998 (4) 1999 (5) 2000
94. What was the percentage (rounded off to nearest integer) of defective articles over the number of articles manufactured by all units together in the year 2001?

95. (1) 42 (2) 40 (3) 37 (4) 33 (5) None of these
 During which year was the percentage increase / decrease in manufacture from the previous year in the highest for Unit I ?
 (1) 1998 (2) 2001 (3) 1999 (4) 1997 (5) None of these

Directions (Q. Nos. 96 – 100) Study the following graph carefully and answer the questions given below

96. From 1999 to 2004, the total number of people who preferred to travel by rail, was approximately how many million?
 (1) 1300 (2) 1500 (3) 1600 (4) 1800 (5) 2000
97. The number of people preferring to travel by rail in 2004, was how many million fewer than the number of people preferring to travel by rail in 1999?
 (1) 70 (2) 45 (3) 75 (4) 50 (5) None of the above
98. In 2001, the people preferring to travel by bus represented approximately what per cent of the people preferring to travel by buses, rail and airlines together in that year?
 (1) 65 (2) 35 (3) 55 (4) 75 (5) 45
99. What is the respective ratio of the number of people preferring to travel by bus to the number of people preferring to travel by rail in the year 2002?
 (1) 15 : 11 (2) 9 : 7 (3) 7 : 9 (4) 11 : 15 (5) None of the above
100. In the year 2003, if all the airlines reduced their rates by 50% and 50% of the people who preferred to travel by rail, now preferred airlines, approximately how many millions of people prefer to travel by air?
 (1) 290 (2) 313 (3) 330 (4) 300 (5) 325

TEST – III : GENERAL AWARENESS

101. Kishori Amonkar passed away recently. She was a legendary
 (1) classical dancer (2) children book writer (3) poet (4) Hindustani classical singer
 (5) None of these
102. A bank without any branch network that offers its services remotely through online banking, telephone/mobile banking and interbank ATM network alliances is known as
 (1) Universal Banking (2) Indirect Bank (3) Door Step Bank (4) A Direct Bank (5) UM Banking
103. The Indian-origin finance minister Pravin Gordhan was sacked in a cabinet reshuffle recently in which of the following countries?
 (1) Malaysia (2) Indonesia (3) South Africa (4) Australia (5) Mauritius
104. _____ won the first edition of the Kolkata Marathon.
 (1) Paritosh Roy (2) Biswanath Pal (3) Abul Hossain (4) Uttam Bhujel (5) Shubhankar Ghosh
105. Consider the following statements with reference to India's external debt:
 1. The maturity pattern of India's external debt shows the predominance of long-term borrowings.
 2. Its single largest component is Non-Resident Indian deposits.
 3. Its single largest component is Money borrowed from World Bank.
 Which of the statements given above is/are correct?
 (1) 1 only (2) 2 Only (3) 3 only (4) Both 1 and 2 (5) Neither 1 nor 2
106. Which of the following government entities is associated with building Supercomputers?
 (1) SAMEER (2) C-DAC (3) CCA (4) NIC (5) None of the above
107. The Insurance Regulatory and Development authority of India (IRDAI) has imposed a penalty of Rs 20 lakh on ICICI Prudential Life Insurance Company on various charges. The IRDAI is headquartered at
 (1) Mumbai (2) Chennai (3) Hyderabad (4) Bengaluru (5) New Delhi
108. The CCI has imposed a reduced penalty of Rs 591 crore on Coal India Ltd for fuel supply pacts. Here, what is the full form of the term CCI?
 (1) Competition Court of India (2) Competition Coverage of India
 (3) Competition Commission of India (4) Clearance Commission India
 (5) None of these
109. "That which bends up" is the meaning for the common name of a disease. Which disease is being referred to here?
 (1) Dengue (2) Chikungunya (3) Hansen's Disease (4) Leprosy (5) None of the above
110. Consider the following pairs:
 River – States involved in dispute over water-sharing
 Mahadayi – Karnataka and Goa
 Kaveri – Karnataka and Tamil Nadu
 Mahanadi – Odisha and Chattisgarh

Which of the pairs above is/are NOT correctly matched?

- (1) 1 only (2) 2 and 3 only (3) 3 only (4) None of the

above

(5) All of the above

111. The "Kunde festival" is a traditional festival of the tribal people in Coorg. The speciality of this festival is
(1) The use of swear words against the gods. (2) A long day of fast by devotees followed by piercing of their bodies.
(3) The fire walking ceremony. (4) The trading of donkeys which are decorated in various colours.
(5) None of the above
112. BHEL has commissioned a 250-MW eco-friendly unit using low-grade coal (lignite) as a primary fuel in Bhavnagar district of
(1) Gujarat (2) Rajasthan (3) Kerala (4) Telangana (5) Tamil Nadu
113. Ajit Kumar Srivastava and Shabri Bhattasali were recently appointed members of Central Board of Direct Taxes (CBDT). The present Chairman of CBDT is
(1) Hasmukh Adhia (2) Kaushal Srivastava (3) Najib Shah (4) Sushil Chandra (5) None of these
114. The Tax Department has given banks three more months till _____ to obtain permanent account number (PAN) or Form—60 from all account holders.
(1) May 31 (2) Jun 30 (3) Jul 31 (4) Aug 31 (5) Sep 30
115. _____ has become the first tiger reserve in India to officially introduce a mascot —Bhoorsingh the Barasingha — to present the hard ground swamp deer as the spirit of the reserve.
(1) Corbett (2) Bandipur (3) Panna (4) Pench (5) Kanha
116. Which of the following state govts recently announced a crop loan waiver worth over Rs 36,000 cr?
(1) Maharashtra (2) Madhya Pradesh (3) Tamil Nadu (4) West Bengal (5) Uttar Pradesh
117. Who among the following is the present Union Minister of State for Petroleum and Natural Gas? He launched MoP&NG e-Seva recently, a dedicated grievances redressal platform on Social Media for all queries and grievances relating to Oil and Gas Sector.
(1) Arun Jaitley (2) Dharmendra Pradhan (3) Venkaiah Naidu (4) Nitin Jairam Gadkari
(5) Kalraj Mishra
118. The list of states with highest seeded Aadhaar numbers was topped by which state with 87.73 per cent of its Jan-Dhan accounts linked with Aadhaar numbers?
(1) Andhra Pradesh (2) Tripura (3) Telangana (4) Gujarat (5) Bihar
119. What are the features of new constituted GST Council by Union Finance Ministry?
i. Tax rate decision
ii. Exempted goods
iii. Threshold under the new taxation regime
(1) i only (2) i and ii only (3) iii only (4) All of the above (5) None of the above
120. Justin Trudeau is the present Prime Minister of which of the following countries?
(1) Spain (2) Canada (3) England (4) Finland (5) Denmark
121. The Income Tax department recently clarified that the ban on cash transaction in excess of Rs 2 lakh will not be applicable to withdrawals from
(1) banks savings accounts (2) post office savings accounts
(3) NBFCs (4) All the above (5) Only 1) and 2)
122. The SBI started functioning as unified entity from 1 Apr post merger of its five associate banks, besides Bharatiya Mahila Bank. Which of the following is NOT correct about SBI post merger?
(1) The total customer base of the bank reaches 37 cr.
(2) It has a branch network of around 24,000 and nearly 59,000 ATMs across the country.
(3) The merged entity now has a deposit base of more than Rs 26 lakh-cr and advances level of Rs 18.50 lakh cr.
(4) Online SBI, the bank's web banking platform is the fifth-most visited financial site, globally.
(5) None of these
123. Which state has become the first Indian state to have implemented Public Fund Management System (PFMS)?
(1) Uttar Pradesh (2) Jharkhand (3) Rajasthan (4) Jammu & Kashmir
(5) None of the above
124. The book "The Assassination of Rajiv Gandhi: An Inside Job?" has been authored by whom?
(1) Jayanthi Madhukar (2) Neena Gopal (3) Ahmed Faraz (4) G.K. Moopnar (5) None of the above
125. _____ made history when she floated outside the International Space Station (ISS) recently, breaking the record for the most spacewalks by a woman made Sunita Williams.
(1) Yi So-yeon (2) Pamela Melroy (3) Kathleen Rubins (4) Peggy Whitson
(5) None of these

126. The fiscal deficit for Apr-Feb 2017 has been Rs 6.05 lakh cr reflecting 113.4 per cent of the full year target. For the fiscal 2016-17, the Centre had pegged the fiscal deficit target at
 (1) Rs 4.81 lakh cr (2) Rs 4.44 lakh cr (3) Rs 5.35 lakh cr (4) Rs 5.34 lakh cr (5) Rs 5.63 lakh cr
127. In a first, women now head some major and oldest high courts in the country. Which of the following pairs of HCs and their Chief Justices is NOT matched correctly?
 (1) Madras High Court – Indira Banerjee (2) Bombay High Court – Manjula Chellur
 (3) Delhi High Court – VM Tahilramani (4) Calcutta High Court – Nishita Nirmal Mhatre
 (5) None of these
128. What is the theme of the 2017 Pravasi Bharatiya Divas?
 (1) Engaging Diaspora – The Indian Growth Story
 (2) Redefined Engagement With Indian Diaspora
 (3) Apna Bharat Apna Gaurav: Connecting Across Generations
 (4) Connecting for a Shared Future: The Indian Diaspora, India and the Pacific
 (5) None of the above
129. North India is all set to get its first DNA bank for wildlife at the Indian Veterinary Research Institute (IVRI) in Bareilly. At present, the Laboratory for the Conservation of Endangered Species (LaCONES) is the only such facility in the country situated in
 (1) Chennai (2) Mumbai (3) Hyderabad (4) Bengaluru (5) Pune
130. The World Mosquito Day is observed on which day?
 (1) August 21 (2) August 22 (3) August 20 (4) August 23 (5) None of the above
131. Who among the following has been appointed as the new Police Commissioner of Delhi?
 (1) Alok Verma (2) Amulya Patnaik (3) Satish Mathur (4) Javeed Ahmed (5) None of these
132. During 2016-17 India became a net importer of electricity. India exports electricity to
 (1) Nepal (2) Bangladesh (3) Myanmar (4) All the above (5) Only 2 and 3)
133. What is the capital and currency of Lithuania?
 (1) Vilnius, Euro (2) Accra, Cedi (3) Tokyo, Yen (4) Moscow, Ruble (5) None of these
134. Atanu Das is associated with which sports?
 (1) Archery (2) Boxing (3) Cricket (4) Discuss throw (5) None of these
135. The Thol Bird Sanctuary is located in which state of India?
 (1) Karnataka (2) Haryana (3) Gujarat (4) Bihar (5) None of these
136. Nearly four crore members of which of the following organisations will soon be able to settle their claims through the mobile application UMANG?
 (1) IRDAI (2) PFRDA (3) EPFO (4) SBI (5) NABARD
137. The 12th edition of the Joint Military Exercise “Nomadic Elephant” was held recently in Vairengte in Mizoram between India and
 (1) Mongolia (2) Myanmar (3) Mauritius (4) Maldives (5) Vietnam
138. Which state govt has announced to provide one-time grant of Rs 21,000 to all those families whose third girl child was born after Aug 24, 2015, under the Aapki Beti, Hamari Beti scheme?
 (1) Haryana (2) Punjab (3) Karnataka (4) Tamil Nadu (5) Uttar Pradesh
139. Which of the following Asian countries recently officially recognised Bitcoin as currency?
 (1) South Korea (2) India (3) Japan (4) China (5) Malaysia
140. Which of the following vitamins is necessary for blood clotting?
 (1) Vitamin - C (2) Vitamin – A (3) Vitamin – D (4) Vitamin – K (5) None of these
141. The central govt's scheme PMUY is associated with which of the following?
 (1) Houses for BPL households (2) LPG for BPL households
 (3) Electricity for BPL households (4) Child and mother care facilities
 (5) None of these
142. Jhargram was declared as the 22nd district of which of the following states recently?
 (1) Jharkhand (2) Odisha (3) West Bengal (4) Chhattisgarh (5) Bihar
143. Which bank has launched ‘811’ digital banking initiative that offers a zero balance savings account with zero charges for all digital transactions to the customers?
 (1) Axis Bank (2) Federal Bank (3) IndusInd Bank (4) Kotak Mahindra Bank
 (5) ICICI Bank
144. How many Commercial Banks were nationalised till 19th July 1969?
 (1) 20 (2) 17 (3) 12 (4) 28 (5) 14
145. The anniversary of the assassination of Mahatma Gandhi in 1948 is observed as Martyrs' Day in India every year on
 (1) 02 Jan (2) 24 Jan (3) 28 Jan (4) 30 Jan (5) 31 Jan
146. The Airports Authority of India (AAI), the Defense Research and Development Organisation (DRDO) and the state govt of which state recently signed an MoU for the development of the Deoghar Airport in Deoghar district?

- (1) Bihar (2) Uttar Pradesh (3) Uttarakhand (4) Jharkhand (5) Chhattisgarh
147. Park Geun-hye was arrested over a corruption scandal recently. She is the ousted President of
 (1) South Korea (2) Philippines (3) Thailand (4) Vietnam (5) Venezuela
148. Many times we read a term LIBOR in financial Newspapers / magazines. What is the full form of LIBOR?
 (1) Liberal International Best Offered Rates (2) London Inter-Bank Offered Rate
 (3) Liberal International Bank Offered Rate (4) London Inter-Bank Opportunity Rate
 (5) None of the above
149. In India the inflation is calculated on the basis of which of the following indexes?
 (1) Wholesale Price Index (wPI) (2) Consumer Price Index (CPI)
 (3) Cash Reserve Ratio (4) Sensitive Index of Bombay Stock Exchange (Sensex)
 (5) None of the above
150. Term 'Balance of Payment' is used in relation to which of the following?
 (1) Diplomatic Relations (2) Exports & Imports
 (3) Annual production in a factory (4) Deficit in Union Budget
 (5) None of the above

TEST – IV : ENGLISH LANGUAGE

Direction (Q. Nos. 151 – 160) Read the following passage and answer the questions given below it. Certain words / phrases in the passage have been printed in bold to help you locate them while answering some of the questions.

Marc Rodin flicked-off the switch off his transistor radio and rose from the table, leaving the breakfast tray almost untouched. He walked over to the window lit another cigarette and gazed out at the snow-encrusted landscape which the late arriving spring had not yet started to dismantle.

He murmured a word quietly and with great venom, following up with other strong nouns and epithets that expressed his feeling towards the French President, his Government and the Action Service.

Rodin was unlike his predecessor in almost every way. Tall and spare with a cadaverous face hollowed by the hatred within, he usually masked his emotions with an un-Latin frigidty. For him there had been no Ecole polytechnic to open doors to promotion. The son of a cobbler, he had escaped to England by fishing boat in the halcyon days of his late teens when the Germans overran France and had enlisted as a private soldier under the banner of the Cross of Lorraine.

Promotion through sergeant to warrant officer had come the hard way, in bloody battles across the face on North Africa under Koenig and later through the hedgerows of Normandy with Leclerc. A field commission during the fight for Paris had got him the officer's chevrons his education and breeding could never have obtained and in post-war France the choice had been between reverting to civilian life or staying in the Army.

But revert to what ? He had no trade but that of cobbler which his father had taught him, and he found the working class of his native country dominated by Communists, who had also taken over the Resistance and the Free French of the Interior. So, he stayed in the Army, later to experience the bitterness of an officer from the ranks who saw a new young generation of educated boys graduating from the officer schools, earning in theoretical lessons carried out in classrooms the same chevrons he had sweated blood for. AS he wanted them pass him in tank and privilege the bitterness started to set in.

There was only one thing left to do and that was join one of the colonial regiments, the tough crack soldiers who did the fighting while the conscript army paraded round drill squares. He managed a transfer to the colonial para-troops.

Within a year he had been a company commander in Indo-China living among other men who spoke and thought as he did. By the end of the indo-china campaign he was a major and after an unhappy and frustrating year in France he was sent Algeria.

The French withdrawal from Indo-China on the year he spent, in France had turned his latent bitterness into a consuming loathing of politicians and Communists, whom he regarded as one and the same thing. Not until Franco was ruled by a soldier could she ever be weaned away from the grip of the traitors and lickspittles who permeated her public life. Only in the Army were both breeds extinct.

Like most combat officers, who had seen their men die and occasionally buried the hideously mutilated bodies of those unlucky enough to be taken alive. Rodin worshipped soldiers as the true salt of the earth, the men who sacrificed themselves in blood so that "the bourgeoisie could live at home in comfort. To learn from the civilians of native land after eight years of combat in the forests of Indo-China that most of them cared not a fig for the soldiery, to read the denunciations of the military by the left wing intellectuals for more trifles like the tutoring of prisoners to obtain vital information, had set off inside Marc Rodin a reaction which combined with the native bitterness stemming from his own lack of opportunity, had turned into zealotry.

He remained convinced that given enough backing by the civil authorities on the spot and the Government and people back home, the Army could had beaten the Viet-Minh. The cession of Indo-China had been a massive betrayal of the thousands of fine young men who had died there seemingly for nothing. For Rodin there would be, no more betrayals. Algeria would prove it. He left the shore of Marseilles in the spring of 1956 as ner a happy man as he would ever be, convinced that the distant hills of Algeria would see the consummation of what he regarded as his life's work, the apotheosis of the French Army in the eyes of the world.

151. What was the period when Rodin escaped to England?
 (1) First half of the late arriving spring (2) The time when Germany occupied France
 (3) The period when Cross of Lorraine was disbanded (4) When Rodin was a child cobblers work
 (5) None of the above

152. Which of the following best describes the phrasecared not a fig..... as used in the passage?
 A. Ignoring the contribution made by a person or group.
 B. Under estimating the hidden potential
 C. Overlooking the service rendered by an employee.
 (1) Only A (2) A and B (3) Only C (4) Only B (5) B and C
153. Which factors made Rodin stay in the Army?
 A. He did not have any big business in civil life.
 B. The parent country had Communist domination.
 C. He wanted to experience the bitterness of officer rank.
 (1) Only A (2) A and B (3) Only C (4) Only B (5) B and C
154. According to the passage, who resisted the dominance of Communists?
 (1) The native of Viet-Minh (2) The freedom loving citizens of Algeria
 (3) The Marc Rodin (4) The people of France
 (5) None of the above
155. Which of the following best describes the meaning of the phrase officer from the ranks as used in the passage?
 (1) The person who has all essential academic qualifications and experience required to become
 (2) The person who grows in the organization from lowest hierarchical position
 (3) An officer who is given a rank of an officer to perform a specific task
 (4) The person who struggles hard but fails to obtain a rank
 (5) None of the above
156. What favourable situations did Rodin find in Indo-China campaign?
 (1) He could attain his lost seniority
 (2) He could manage his desired posting to Algeria
 (3) The people around him were of the same nature as he was
 (4) He attained the rank of Major in the Army
 (5) None of the above
157. What option did Rodin choose in post war-France situation?
 (1) He joined an officers, school for Army (2) He monitored the army parade in drill squares
 (3) He joined a colonial regiment (4) He preferred a cobbler's bench
 (5) None of the above
158. Why the Army could not overpower Viet-Minh?
 (1) The compating army ignored the local civil authority
 (2) The Government lacked political will to support army operation
 (3) The built-in hate of the commandor did not percolate at the soldier level
 (4) The conviction held by the army chief proved to be false
 (5) None of the above
159. What were the outcome of battles in Indo-China?
 (1) It removed the in-built hatred in Rodin
 (2) It did not achieve the objectives for which it had been fought
 (3) The French Army betrayed Rodin
 (4) Rodin regarded it as his life's achievement
 (5) None of the above
160. Which of the following statements is true in the context of the passage?
 (1) Marc Rodin was a qualified officer from Ecole Polytechnic.
 (2) Unlike his predecessor, the achievement sin the army for Rodin were essay
 (3) Rodin believed that only people who are worth their salt are soldiers.
 (4) Rodin's father did not teach him the trade of a cobbler
 (5) None of the above

Directions (Q. Nos. 161 – 170) Which of the phrases (1), (2), (3), and (4) given bellow should replace the phrase given 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.

161. In guest rooms, the central portion **is generally reserved** for sofa set.
 (1) generally is reserved (2) is reserved generally
 (3) was generally reserved (4) are generally reserved
 (5) No correction required
162. The impact of the composite bow on warfare **was equal to the** crossbow of medieval times.
 (1) was equal to of the (2) is equal to the (3) is equal to that (4) was equal to that
 of the
 (5) No correction required
163. Culture, climate and geography **plays an important part** in the formation of any proverb.
 (1) plays an important role (2) plays a important part (3) play an important role (4) play a important part
 (5) No correction required
164. This book will be **of particular interested** to those fascinated by the recent philosophy.

- (1) of particularly interested (2) of particular interest (3) of interested in particular (4) particularly of interested
- (5) No correction required
165. These days developed countries have started **looking down for** underdeveloped countries as it is advantageous for both the parties.
 (1) looking after (2) looking down upon (3) to look down at (4) looking for at
 (5) No correction required
166. The methods **to adopt for eradication** of poverty should depend upon the magnitude and nature of resources available.
 (1) to adopt for eradicating (2) to be adopted for eradication
 (3) to be adopting to eradicate (4) for adoption of eradication
 (5) No correction required
167. In the production of desert trees. Nature **seems sometimes to have been experimenting** with the truly strange.
 (1) seem to have been sometimes experimenting (2) seems sometimes to have been experimented
 (3) sometimes seem to be experimented (4) sometimes seem to have experimented
 (5) No correction required
168. In the first round, the participants played in the presence of an accomplice who **was committed deliberate** errors.
 (1) committed deliberate (2) was to be committed deliberate
 (3) had committed deliberately (4) committed deliberately
 (5) No correction required
169. **What did prevent from winning** the battle is not known.
 (1) what prevented them to win (2) what prevent them from winning
 (3) what prevented them from winning (4) What prevented their winning
 (5) No correction required
170. The scenario was identical to the one that **was to be observed** in the previous tournament
 (1) was observing (2) had been observing (3) was observed (4) was to observe
 (5) No correction required

Directions (Q. Nos. 171 - 180) In the following passage, there are blanks each of which have been numbered. Against each number, there are five words one of which fills the blank appropriately. Find the appropriate word in each case.

In any organized group of mammals, no matter how co-operative, there is always a (171) for social dominance. As he pursues this, each adult individual (172) a particular social rank, giving him his position, or status, in the group hierarchy. The situation never remains (173) for very long, largely because all the status strugglers are (174) older. When the overlords, or 'top-dogs', become senile, their seniority is challenged and they are (175) by their immediate subordinates. There is then renewed dominance squabbling as (176) moves a little farther up the social ladder. At the other end of the scale, the younger members of the group are maturing rapidly, keeping up the pressure from (177). In addition certain members of the group may suddenly be (178) down by disease or accidental death, leaving gaps in the hierarchy that have to be quickly filled. The general result is a constant condition of status tension. Under natural (179) this tension remains tolerable because of the limited size of the social groupings. If, however, in the artificial environment of captivity, the group size becomes too big, or the space available too small, then the status 'rat race' soon gets out of hand, dominance battles rage uncontrollably, and the leaders of the packs, prides, colonies or tribes come under (180) strain.

171. (1) feel (2) struggle (3) war (4) envy (5) stress
 172. (1) allots (2) inherits (3) approves (4) acquires (5) desires
 173. (1) stable (2) equitable (3) equal (4) claim (5) unstable
 174. (1) aheading (2) looking (3) feeling (4) moving (5) growing
 175. (1) throned (2) thrown (3) overthrown (4) insulted (5) picked
 176. (1) they (2) junior (3) elder (4) everyone (5) each one
 177. (1) above (2) sides (3) top (4) behind (5) below
 178. (1) go (2) feel (3) struck (4) run (5) come
 179. (1) forces (2) conditions (3) pressures (4) preconditions (5) upbringing
 180. (1) severe (2) unwanted (3) stress (4) productive (5) desirable

Directions (Q. Nos. 181 – 190) 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)

181. He was grateful (1)/ to me for the help (2)/ that I had extended for him (3)/ in the hour of his need. (4)/ No error (5)
 182. While undergoing a (1)/ strenuous workout, (2)/ he suffered a massive heart attack (3)/ but luckily survival. (4)/ No error (5)
 183. Taking care of yourself (1)/ can not be (2)/ and should not be considered (3)/ as a selfish thing. (4)/ No error (5)
 184. Despite taking steps to (1)/ encourage foreign investment (2)/ there has been any (3)/ substantial improvement in our economy. (4) No error (5)

185. What really agonize them (1)/ is the presence of (2)/ an unwanted and unscrupulous (3)/ member on the panel. (4)/ No error (5)
186. People express their expectations(1)/ that their leaders should not(2)/ resorting to (3)/ corrupt practices and nepotism. (4)/ No error (5)
187. Asian culture will, (1)/ sooner or later (2)/ become international norm (3)/ for entertainment industry. (4)/ No error (5)
188. The business lobby wanted (1)/ he to take over (2)/ as the new Chairman (3)/ of their coveted Board. (4) No error (5)
189. We had made every effort (1)/ to ensure that a (2)/ compromise is reached and (3)/ that the deal was signed. (4)/ No error (5)
190. We as the editors of (1)/ a popular magazine would like to (2)/ know what are other topics most (3)/ on people's minds. (4)/ No error (5)

Directions (Q. Nos. 191 – 195) Read the following passage carefully and answer the questions given below it. Certain words / phrases have been printed in bold to help you locate them while answering some of the questions.

In India, innovation is emerging as one of the most important rubrics in the discourage on how to bring about greater and more consistent economic and social development. One observes steadily growing investments in R & D across the country, the setting up of national and state innovation bodies, as well as the introduction of government sponsored innovation funds. There have also been several conferences and debates on innovation and how to best promote and accomplish it in India and a number of articles on the subject, written for newspapers and magazines, as well as more informal platforms like online forums and blogs.

Academic engagement and Indian authorship on the subject have also exploded in the last five years. Despite widespread agreement on the importance of innovation in India, there are wide gulfs between different conceptions of innovation and the path India should take towards securing benefits through investments in innovation.

Many Indian conversations around innovation begin by talking about jugaad, that uniquely Indian approach to a temporary fix when something complex, like an automobile or a steam engine stops working. However, many observers have pointed out that while jugaad is certainly innovative, it is a response to the lack of an innovation culture-more a survival or coping mechanism at a time of need than a systematic methodology to effectively address a wide-ranging, complex set of problems.

Another specifically Indian approach to innovation that has entered into wide **currency** of late is so-called 'frugal innovation', deemed by many to be the most appropriate for the Indian context. In its midterm assessment of the 11th five-year plan, the Planning Commission stressed the need for innovation in India, in order to 'accelerate its growth and to make growth more inclusive as well as environmentally sustainable.' The document went on to say that 'India needs more frugal innovation that produces more frugal cost products and services that are affordable by people at low levels of incomes without **compromising** the safety, efficiency and utility of the products. The country also needs processes of innovation that are frugal in the resources required to produce the innovations. The products and processes must also have **frugal impact on the earth's resources**.

Two people formulated a similar theory called the More-from-Less-for-More (MLM theory of Innovation) theory of Innovation, which advocates a focus on innovations that allow for more production using fewer resources but benefit more people. Under this rubric come products that are more affordable versions of existing technologies. While both frugal innovation and the MLM theory are certainly valuable in terms of bringing affordable products and services to a greater number of people and may even be considered a necessary first step-on India's innovation path, they barely graze the surface of what innovation can accomplish. That is, innovation is capable of bringing about complete paradigm-shifts and redefining the way we perceive and interact with the world.

Take a cell phone, for example : it revolutionized communication in a previously Inconceivable way, provided consumers with a product of unprecedented value and created an entirely new market. The cell phone was a result of years of directed, intentional innovation efforts and large investments and would not have ever been created if the people responsible simply set out to make the existing telephone cheaper and more accessible to all.

While jugaad and frugal innovation may be **indicative** of the Indian potential for innovativeness, this potential is not utilized or given opportunity to flourish due to the lack of an enabling culture.

India's many diverse and complex needs can be met only through systematic innovation and major shifts have to first take place in our educational institutions, government policies and commercial firms in order for such an innovation-enabling culture to come about.

The one thing that India's innovation theorists have not said is that the absence of a culture of innovation is **intrinsically** linked to many of the most intractable problems facing India as a nation. These include poor delivery of government services, inadequate systems of personal identification and the absence of widely available financial services for rural poor, health and sanitation failures. This list, can go on. Cumulatively, the inability of India as a nation, society and economy to adequately provide for its own population no longer reflects a failure of implementation, but rather of a failure of innovation, for there are not immediately-available off-the-shelf solutions that would make it possible for these grand challenges facing India to be **redressed**. Rather, we need to look at these intractable problems from the more sophisticated and empowering lens of innovation, for them to begin to be solved.

191. What tone is the author employing in the entire passage to get this message across?
 (1) Pessimistic (2) Sarcastic (3) Urgent (4) Informative (5) Dubious
192. Why, according to the author, is India unable to adequately provide for its people?
 (1) Failure to implement schemes and initiatives meant for the Indian populace
 (2) Absence of regulatory authorities to oversee the implementation process
 (3) Failure to innovate in order to find solutions

- (4) Lack of governmental schemes and initiatives to redress the challenges faced by India
 (5) Hesitance of the Indian people in trying out different schemes provided by the Government for upliftment

193. Why according to some people, is Jugaad not the answer to India's problems?
 (1) Many a times this methodology backfires leading to further complications
 (2) 'Jugaad provides only cheap solutions to all problems
 (3) It is reactive and not a proactive and organized method of finding solutions to problems
 (4) It can provide solutions to only simple problems and not complex ones
 (5) None of the above
194. Which of the following is / are true about the cell phone?
 A. The innovation of the cell phone required investment of huge capital
 B. The cell phone, when invented was meant to be affordable to all
 C. The cell phone was made available to the public in a very short time from its ideation.
 (1) Only A (2) A and B (3) B and C (4) Only B (5) All of these
195. What does the author mean by '**frugal impact on the earth's resources**' as given in the passage?
 (1) The damage to the environment should be assessable
 (2) More consumption of natural resources as compared to manmade ones
 (3) Minimum impact on the environment in terms of pollution
 (4) The impact on the environment should be such that it is reversible
 (5) Minimum usage of earth's natural resources

Directions (Q. Nos. 196 – 200) 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.

196. **Redressed**
 (1) Addressed (2) Equalised (3) Restored (4) Redon (5) Rearranged
197. **Currency**
 (1) Notes (2) Usage (3) Money (4) Cash (5) Value
198. **Intrinsically**
 (1) Internally (2) Whole-heartedly (3) Fundamentally (4) Virtually (5) Unavoidably
199. **Indicative**
 (1) Causative (2) Forthcoming (3) verbal (4) Abstract (5) Suggestive
200. **Compromising**
 (1) Cooperating with (2) Reducing the quality (3) Hampering the progress (4) Conciliating in order to
 (5) Adjusting for the better

BOB PO TEST - KEY

| | | | | | | | | | |
|------------|------------|------------|------------|------------|------------|------------|------------|------------|---------|
| 1 (5) | 2 (3) | 3 (4) | 4 (5) | 5 (5) | 6 (4) | 7 (5) | 8 (4) | 9 (2) | 10 (5) |
| 11 (1) | 12 (4) | 13 (5) | 14 (2) | 15 (1) | 16 (2) | 17 (4) | 18 (3) | 19 (4) | 20 (3) |
| 21 (2) | 22 (5) | 23 (5) | 24 (5) | 25(5) | 26 (3) | 27 (5) | 28 (5) | 29 (4) | 30 (4) |
| 31 (2) | 32 (4) | 33 (3) | 34 (4) | 35 (5) | 36 (3) | 37 (3) | 38 (5) | 39 (2) | 40 (2) |
| 41 (3) | 42 (2) | 43 (2) | 44 (5) | 45 (1) | 46 (3) | 47 (5) | 48 (1) | 49 (4) | 50 (2) |
| 51 (1) | 52 (3) | 53 (5) | 54 (2) | 55 (5) | 56 (1) | 57 (2) | 58(4) | 59 (5) | 60 (3) |
| 61 (3) | 62 (2) | 63 (5) | 64 (1) | 65 (4) | 66 (2) | 67 (1) | 68 (2) | 69 (3) | 70 (4) |
| 71 (1) | 72 (2) | 73 (4) | 74 (2) | 75 (3) | 76 (4) | 77 (3) | 78 (1) | 79 (2) | 80 (5) |
| 81 (3) | 82 (4) | 83 (5) | 84 (1) | 85(4) | 86 (5) | 87 (5) | 88 (5) | 89 (3) | 90 (2) |
| 91 (1) | 92 (4) | 93 (5) | 94 (2) | 95 (2) | 96 (4) | 97 (3) | 98 (5) | 99 (1) | 100 (5) |
| 101 (4) | 102 (4) | 103 (3) | 104 (3) | 105 (1) | 106 (2) | 107 (3) | 108 (3) | 109 (2) | 110 (4) |
| 111 (1) | 112 (1) | 113 (4) | 114 (2) | 115 (5) | 116 (5) | 117 (2) | 118 (1) | 119 (4) | 120 (2) |
| 121 (5) | 122 (5) | 123 (2) | 124 (3) | 125 (4) | 126 (4) | 127 (5) | 128 (2) | 129 (3) | 130 (3) |
| 131 (2) | 132 (4) | 133 (1) | 134 (1) | 135 (3) | 136 (3) | 137 (1) | 138 (1) | 139 (3) | 140 (4) |
| 141 (2) | 142 (3) | 143 (4) | 144 (4) | 145 (1) | 146 (4) | 147 (1) | 148 (2) | 149 (2) | 150 (2) |
| 151 (2) | 152 (4) | 153 (3) | 154 (3) | 155 (1) | 156 (3) | 157 (3) | 158 (2) | 159 (3) | 160 (3) |
| 161 (5) | 162 (4) | 163 (3) | 164 (2) | 165 (1) | 166 (2) | 167 (5) | 168 (1) | 169 (2) | 170 (3) |
| 171 (2) | 172 (4) | 173 (1) | 174 (5) | 175 (3) | 176 (4) | 177 (5) | 178 (3) | 179 (2) | 180 (1) |
| 181 (3) | 182 (4) | 183 (2) | 184 (3) | 185 (4) | 186 (3) | 187 (4) | 188(2) | 189 (3) | 190 (3) |
| 191 (2) | 192 (3) | 193 (3) | 194 (2) | 195 (5) | 196 (1) | 197 (2) | 198(3) | 199 (5) | 200 (2) |

www.eenadupratibha.net

Bank of Baroda PO Exam HINTS & SOLUTIONS

- 1 – 4. Quicker Method such questions are best tackled by making a table as shown here

| | 9am to 10 am | 10 am to 12 noon | 12 noon to 2 pm | 2 pm to 4 pm |
|-----------|--------------|------------------|-----------------|--------------|
| Monday | J | N, J | N | --- |
| Tuesday | -- | --- | K | K |
| Wednesday | J | J | ---- | --- |
| Thursday | J | N, J | K, N | K |
| Friday | --- | N | N | J |
| Saturday | --- | --- | ---- | J |
| Sunday | --- | N | K, N | K, J |

Now, we can easily answer the questions.

- Obviously, on all days there is a particular time when only one brother is available.
- N, J and K are never together at any particular time. See table.
- The youngest brother is N (Nainamal) as he is younger than Kundanmal who is turn is younger than Jethamal.
Now, between 10 am and 12 noon, N and J are available on Monday as well as Thursday.
- On Wednesday and Saturday, neither N nor K is available at home.

5 – 8 .

| Position Heats | 1 | 2 | 3 |
|----------------|------------|--------|------|
| 1 | Prakash | Rajesh | Ravi |
| 2 | h | | |
| 3 | Saket Arun | | |

If Jeetu is from 3rd heat, then we have arrangement

- Prakash Rajesh Ravi
- Saket Dilip Ravi
- Arun Jeetu Deepak

If Jeetu is from 2nd heat, then we have arrangement

- Praksh Rajesh Ravi
- Saket Dilip / Jeetu Jeetu / Dilip
- Arun Deepak Mohit

- Either Mohit or Deepak is selected at 3rd number in 3rd heat. Hence, the option (4) is correct.

- Jeetu is selected in either II and III heats.

Sol . (Q. Nos. 9 – 13) The words are arranged according to the number of letters they have, one at a time. The word with the maximum number of letters is put first. If two words have the same number of letter, we go for alphabetical arrangement.

- Input the in car as he may me
Step I car the in as he may me
Step II car may the in as he me
Step III car may the as in he me

- Step II clever remand window sales batch tiger never

Step III clever remand window batch sales tiger never
Step IV clever remand window batch never sales tiger
Now, Step IV would be the last step.

- Input true se veto be nuke my like

Step I like true se veto be nuke my
Step II like nuke true se veto be my
Step III like nuke true veto se be my
Step IV like nuke true veto be se my

- Input more fight cats cough sough acts idea

Step I cough more fight cats sough acts idea
Step II cough fight more cats sough acts

idea

Step III cough fight sough more cats acts idea
Step IV cough fight sought acts more cats

idea

Step V cough fight sough acts cats more

idea

Step VI cough fight sough acts cats idea

more

- We can't move backward

- The first and the second sentence makes the inference probably true.

- So, the following part of the passage. But our potential for profits

- The passage says that some people say that India is a rich country where poor people live. It is also mentioned in the passage that India is the most developed country as far as its intellectual wealth is concerned. These two informations together make the inference probably true.

- The passage focuses on the need to strengthen science-business link. This makes the inference.

- Can't say whether the inference is likely to be true or false. Hence, the option (3) is correct.

- I does not follow from Statement 9b). Statement (a) + Statement (b) gives no conclusion [A + I = no conclusion]. Hence, II does not follow. Conclusion III follows from Statements (b) and (c) [I + E = O]. Since, Statement (a) + Statement 9b) gives no conclusion, therefore conclusion IV does not follow.

- Statement (b) + Statement (a) gives conclusion I. Statement (b) + Statement (c) gives no conclusion [A + I = no conclusion]. Hence, conclusion IV does not follow. Conclusions II and III make a complementary pair. Hence, either must follow.

- Statement (b) + Statement (a) gives conclusion "All stones are shells" "Some stones are shells" (conclusion I). But conclusion II is false. Conversion of conclusion I gives conclusion III. Hence, conclusion III follows. Statement (c) + Statement (a) gives the conclusion "Some shells are not bricks" [E + A = O*]

- Only III follows.

Statement (a) + Statement (b) gives the conclusion "No players are winners" [A + E = E]. Hence

- conclusion I and conclusion II do not follow but conclusion III follows. Statement (a) + Statement (c) gives no conclusion [A + I = no conclusion]. Hence, conclusion IV does not follow.
23. Statement (a) + Statement (b) gives the conclusion "Some globes are not sticks" [Say Statement (d)]. Now Statement (d) + Statement (c) gives no conclusion [O + A = No conclusion]. Hence, neither conclusion I nor conclusion II follows.
24. From I X is either father or mother of Y.
From II Z is the mother of Y
From I and II X is the father of Y.
25. From I Values of Rupee, Japanese Yen, Australian Dollar and Hong Kong Dollar when compared give the following equation.
Australian Dollar > Hong Kong Dollar > Rupees > Rupees > Japanese Yen.
From II Value of Australian Dollar = Value of Singapore Dollar
From I and II Japanese currency has the lowest value.
27. From I and II There are only two ways of expressing the number 158 as the sum of a multiple of 7 and a multiple of 11.
A. $147 + 11 = 158$
B. $70 + 88 = 158$
Since there are more girls than boys, the number of boys must be 70 while the number of girls 88.
28. I is implicit because it make no sense to talk of something without the existence of its possibility. II is implicit; that is why the speaker suggests tools to make change in the women's status.
29. We can't say what ground the critic assumes on the basis of which be terms it "not a proper and judicious step".
30. I is not valid because we don't know whether the contrast expressed in the view is critical or merely a statement of fact. II, if at all an assumption, can only be false.
31. I is not implicit, because it goes into unnecessary details. II is implicit, that is why the speaker stresses on the role of executive in the appointment of High Court Judges.
32. Both the assumptions I and II are implicit.
- 33 – 35. According to the given data in the question, we can arrange data in following way.
E = Ela, I = Ishita, C = Chitra, D = Diya, B = Badal, H = Hitesh, F = Faruq, G = Ganesh
33. Ela is the 2nd host in this arrangement. Hence, the option (3) is correct.
34. Chitra's position is immediate right of Faruq. Hence, the option (4) is correct.
35. Chitra is immediate left of Diya. Hence, the option (5) is correct.
- 36 – 40. According to the given data in the question.
36. P reads Outlook (H). Hence, the option (3) is correct.
37. R reads Businessworld magazine
38. All of the above pairs of persons represent the couples. Hence, the option (5) is correct.
39. W have three sons. Hence, the option (2) is correct.
40. P related with U as a Brother.
50. One line segment is converted into curve and the pre-existing curve (s) is / are inverted.
51. $? = 73\% \text{ of } 8523 + 32\% \text{ of } 6245$
- $? =$
 $= 6221.79 + 1998.40 = 8220.19$
52. $= = 93$
- 53.
- $? = 5.9$
54. $= 109.68$
- 55.
- $? = 3$
56. $? = 132506.87 = 132507$ (approx..)
- 957.
- $= = 22$ (approx..)
- 58.
- $= = 13$ (approx..)
59. (approx..)
60. $= 2083$ (approx..)
- 64.
- 65.
- 5583.25
66. Ratio of the equivalent capitals of Prakash, Sunil and Anil for 3 years
 $= 4 : 6 : 3$
Anil's share in the profit
 $=$
 $= \text{Rs. } 4.5 \text{ lakh}$
 $50\% \text{ of Rs. } 4.5 \text{ lakh} = \text{Rs. } 2.25 \text{ lakh}$
67. According to the question,
1 man = 2 women
8 men + 4 women
 $= (16 + 4) \text{ women} = 20 \text{ women}$
4 men + 8 women = 16 women
20 women's 2 days' work =
Remaining work =
20 women complete 1 work in 6 days
16 women will do work in
68. Amount = Principal
 $=$
(Rate of interest for the first year = 10%
Time = 2 half years)
69. $CI = \text{Rs. } (29040 - 20000) = \text{Rs. } 9040$
Initial area of the carpet
 $= 12.96 \text{ sq m}$

- After corresponding changes in dimensions,
Area of the carpet
= 22.68 sq m
Increase in area
(22.68 – 12.96) sq m = 9.72 sq m
Increase in the cost
= Rs.
70. Actual weight of 53 girls
=
=
= 3054
Required actual average weight
=
or Decrease in weight = 65 – 45 = 20 kg
Required actual average weight =
= 57.62 kg
71. Profit earned
In 2002 = 350 – 250 = Rs. 100 crore
In 2003 = 450 – 300 = Rs. 150 crore
In 2004 = 450 – 400 = Rs. 50 crore
In 2005 = 500 – 350 = Rs. 150 crore
In 2006 = 400 – 450 = Rs. – 50 crore
In 2007 = 550 – 450 = Rs. 100 crore
Required average
=
= Rs.
72. Percentage profit in 2005
=
=
73. In 2003, percentage increase in come
=
=
In 2005, percentage increase in income
=
=
In 2006, percentage decrease in income
=
In 2007, percentage increase =
= 37.5%
- Percentage increase in 2001 was maximum.
74. Percentage increase in expenditure from
2003 to 2004 =
75. Average income
=
= Rs. 450 crore
76. There are eight letters in he word INCREASE,
where as E comes two times
Required number
= = 20160
77. CI =
=
78. Circumference = 2

r = 166.6 m
Area =
= 87231.76 sq m
79. Suppose the present age of father and son is 17x
yr and 7x yr.

17x – 6 = 3(7x – 6)
17x – 6 = 21x – 18
4x = 12 x = 3

Present age of father =
80. Ratio of the capital
- = 720000 : 600000 = 6 : 5
Share of Shirish = Rs. 69000
Suppose each child got x sweets.
81. 112x = 80x + 480
112x – 80x = 480
32X = 480
X = 15
82. = =
83. Let the number be x.

50% of x =
= 3744
84. Suppose the breadth of the plot is x m and length
is 3x m.
Area of the rectangular plot =
3x² = 7803
x =
X = 51 m
85. Cannot be determined.
86. Weight of water in the mixture of 60 g water
=
Weight of water in the mixture of 45 g water
= 45 + 15 = 60 g
Percentage of water =
87. Average of first two numbers = 48.5
Average of last two numbers = 53.5
Sum of five numbers = 290
Third number = x

97 + x + 107 = 290
X = 290 – 204
X = 86
88. There are 5 letters in the word SMART.
So, the required number of ways to arrange
=
89. Suppose B got Rs. x.
Amount to C
=
So, the amount to A =
A : B : C = = 15x : 16x : 12x
Sum of the ratio = 15x + 16x + 12x = 43x
Share of A =
90. Let the original fraction be
Then,

91. Number of articles manufactured by
Unit III (76 + 45 + 55 + 57 + 82 + 38) thousands
= 353 thousands
Unit IV (46 + 36 + 34 + 48 + 58 + 60) thousands
= 282 thousands
Required ratio = 353 : 282
92. Required average
=
= thousands
93. It was in the year 2000.
94. Number of articles manufactured in 2001
= (44 + 56 + 38 + 40 + 60) thousands
= 238 thousands
Number of defective items
= (15 + 22 + 32 + 15 + 11) thousands
= 95 thousands
Required percentage =

95. Percentage increase in = 39.9 40%
 Percentage decrease in 2001 =
 Hence, percentage decrease was highest in 2001.
96. Total number of people travelling by rail
 = (350 + 300 + 300 + 275 + 300 + 275) million
 = 1800 million
97. Required difference = 350 – 275 = 75 million
98. Total number of people travelling by buses, rail and
 airlines in 2001 = 375 + 300 + 175 = 850 millions

- Number of people travelling by buses = 375
 millions
- Required percentage =
99. Required ratio = 375 : 275 = 15 : 11
100. In the year 2003.
 Number of people travelling by rail = 300 million
 Number of people travelling by air = 175 million
 Now, 50% of people travelling by rail shift to air
 Required number of people
 = 175 + 150 = 325 million.

Prepared by

Dr. G.S.Giridhar

RACE Institute, Hyderabad