

Held on: 29-05-2011

# Corporation Bank PO Exam

(Based on Memory)

## Test-I: Reasoning Ability and Computer Competency

**Directions (Q. 1-7): Study the following information and answer the questions given below:**

Eight friends—A, B, C, D, E, F, G and H—are sitting around a circular table not necessarily in the same order. Three of them are facing outward while five are facing towards the centre. There are equal number of males and females in the group.

C is facing the centre. E is sitting third to the right of C. F is sitting third to the left of E. Three persons are sitting between F and B. The immediate neighbours of B are females. G is sitting third to the right of F. D is sitting third to the right of A. A is not an immediate neighbour of E. The immediate neighbours of E are males and are facing the centre. The immediate neighbours of D are females and face outside. The one sitting third to the left of B is a male. No female is an immediate neighbour of G.

- Who is sitting second to the right of E?  
1) C                      2) B                      3) G  
4) H                      5) None of these
- How many persons are sitting between H and C when counted from the left side of H?  
1) One                      2) Two                      3) Three  
4) Four                      5) More than four
- Which of the following statements is true regarding H?  
1) The one who is second to the right of H is a female.  
2) H is facing the centre.  
3) H is a male.  
4) The immediate neighbours of H are facing outside.  
5) None is true
- What is D's position with respect to G?  
1) Third to the left                      2) Third to the right  
3) Second to the left                      4) Second to the right  
5) None of these

**Directions (Q. 5-6): Four of the following five are alike in a certain way based on their seating positions in the above arrangement and hence form a group. Which of the following does not belong to the group?**

- 1) BE                      2) CG                      3) GA  
4) DH                      5) AF
- 1) B                      2) F                      3) G  
4) A                      5) D

- If all the friends are asked to sit in an alphabetical order starting from A in an anti clockwise direction, the positions of how many will remain unchanged (excluding A)?

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

**Directions (Q. 8-14): Study the following information and answer the given questions:**

In a certain code language —

'school is far from here' is written as 'to ga di ba ni'.

'here is the school bus' is written as 'ru to ni di zi'.

'come from school' is written as 'ga ni mo'.

'is the bus late' is written as 'ru zi fa to'.

- What does the code 'ga' stand for in the given code language?  
1) from                      2) here                      3) far  
4) is                      5) None of these
- What is the code for 'late' in the given code language?  
1) to                      2) fa                      3) zi  
4) ru                      5) None of these
- What will the code 'fa mo ba' stand for in the given code language?  
1) come far late    2) bus far late    3) come far school  
4) come late from    5) None of these
- What may the code 'ru mo di' stand for in the given code language?  
1) the bus here    2) come from here    3) come the late  
4) come the here    5) late is come
- What is the code for 'school' in the given code language?  
1) ba                      2) di                      3) ni  
4) ga                      5) None of these
- What may be the code for 'come this far' in the given code language?  
1) ba mo ru                      2) mo ba zi                      3) jo mo di  
4) jo ba mo                      5) jo ba ni
- What may be the code for 'from school bus' in the given code language?  
1) ni ga ba                      2) zi ru ga                      3) ga ni di  
4) zi ni di                      5) zi ni ga

**Directions (Q. 15-23): Study the following information and answer the questions given:**

When a word arrangement machine is given an input line of words, it arranges them following a particular rule. The following is an illustration of input and rearrangement:

**Input:** deep snow built offer zinc note find answer can

**Step I:** answer deep snow built offer zinc note find can

**Step II:** answer built deep snow offer zinc note find can

**Step III:** answer built can deep snow offer zinc note find

**Step IV:** answer built can deep find snow offer zinc note

**Step V:** answer built can deep find note snow offer zinc

**Step VI:** answer built can deep find note offer snow zinc

Step VI is the last step of the above arrangement as the intended arrangement is obtained.

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

**Directions (Q. 15-19):**

**Input:** held nature yeast rich win alter infer lost so done

15. Which of the following is second to the right of the one that is seventh from the right end of step IV?
  - 1) infer                      2) lost                      3) yeast
  - 4) nature                    5) None of these
16. Which of the following will be step VI for the given input?
  - 1) alter done held infer lost nature rich so win yeast
  - 2) alter done held infer nature lost rich so win yeast
  - 3) alter done held infer lost nature rich so yeast win
  - 4) alter done held infer lost nature so rich yeast win
  - 5) None of these
17. What will be the position of 'infer' in step III?
  - 1) Fifth from the left end
  - 2) Eighth from the right end
  - 3) Fourth from the right end
  - 4) Eighth from the left end
  - 5) None of these
18. How many steps will be required to complete the arrangement?
  - 1) VII                      2) VIII                      3) IX
  - 4) VI                      5) None of these
19. Which of the following is the third word from the right of step IV?
  - 1) win                      2) rich                      3) yeast
  - 4) lost                      5) None of these

**Directions (Q. 20-23): Following are steps of an input.**

**Rearrange them and answer the questions :**

- (A) ancient cones dish vault rope yell hint
- (B) ancient cones vault dish rope yell hint
- (C) ancient cones dish hint rope vault yell
- (D) ancient vault dish rope cones yell hint
- (E) ancient cones dish hint vault rope yell

20. Which of the following is step V?
  - 1) D                      2) A                      3) E
  - 4) B                      5) C
21. Which of the following is step III?
  - 1) E                      2) B                      3) D
  - 4) C                      5) A
22. Which of the following is step IV?
  - 1) A                      2) B                      3) C
  - 4) D                      5) E

23. Which of the following is step II?

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

**Directions (Q. 24-28): 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 given in the statements are sufficient to answer the question. Read both the statements and give 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 statement II alone are sufficient to answer the question
  - 4) if the data given in both statements I and II together are not sufficient to answer the questions
  - 5) if the data in both statements I and II even together are necessary to answer the questions
24. How is J related to K?
    - I. J's father P is the brother of N. N is K's wife.
    - II. J is the son of P. P is the brother of N. N is K's wife.
  25. On which floor of the building does G stay? (The building has five floors 1, 2, 3, 4, 5.)
    - I. Only the even-numbered floors are occupied and G does not stay on the second floor.
    - II. G does not stay on an odd-numbered floor.
  26. How many days did Raju take to complete his assignment?
    - I. Mohit correctly remembers that Raju took more than 3 days but less than 9 days to complete his assignment.
    - II. Mina correctly remembers that Raju took more than 7 days but less than 11 days to complete his; assignment.
  27. How is the word 'GATES' coded in the code language?
    - I. 'BRICK' is coded as 'LDJSC' and 'PIN' is coded as 'OJQ'.
    - II. 'WATER' is coded as 'SFUBX' and 'DISH' is coded as 'ITJE'.
  28. Among A, B, C and D, which school has the highest number of students?
    - I. School A has fewer students than school D.
    - II. School C has fewer students than school D.
- Directions (Q. 29-30): Study the following information and answer the questions given:**
- Sam walked 5m towards north from point A and reached point B. He took a right turn from point B and walked 7m and reached point C. He took a right turn from point C and walked 10m to reach point D. He took another right turn from point D and walked 6m to reach point E. Sam took a right turn from point E and walked 5m to reach point F.

29. How far and in which direction is point F from point A?  
 1) 1m towards east  
 2) 1m towards south  
 3) 1m towards north  
 4) 1m towards west  
 5) Point A coincides with point F
30. What was the total distance that Sam walked?  
 1) 35m                      2) 38m                      3) 32m  
 4) 31m                      5) None of these

**Directions (Q. 31-35):** In these questions, the relationship between different elements is shown in the statements. The statements are followed by two conclusions.

**Give answer**

- 1) 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 conclusions I and II are true
31. **Statement:**  $T < P \leq U$ ;  $L > U \leq K$ ;  $P \geq R$   
**Conclusions:** I.  $K \geq R$                       II.  $L > R$
32. **Statement:**  $H = I \leq R$ ;  $M \geq R < S$   
**Conclusions:** I.  $M = I$                       II.  $M > I$
33. **Statement:**  $D > H \geq N$ ;  $S > I \leq H$   
**Conclusions:** I.  $N \leq S$                       II.  $I < D$
34. **Statement:**  $P \leq O < I$ ;  $P > Y > W$   
**Conclusions:** I.  $Y \leq I$                       II.  $O > W$
35. **Statement:**  $A \geq B > C \geq F$ ;  $Z < C \leq D < E$   
**Conclusions:** I.  $A > Z$                       II.  $F < E$

**Directions (Q. 36-42):** In each question below are two/three statements followed by two conclusions numbered I and II. You have to take the two/three 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 follows from the given statements disregarding commonly known facts. Give answer

- 1) if only conclusion I follows.  
 2) if only conclusion II follows.  
 3) if either conclusion I or conclusion II follows.  
 4) if neither conclusion I nor conclusion II follows.  
 5) if both conclusion I and conclusion II follow.
- (36-37) **Statements:** Some institutes are banks. All institutes are academies. All academies are schools.
36. **Conclusions:**  
 I. Some institutes are not schools.  
 II. All academies being banks is a possibility.
37. **Conclusions:**  
 I. All banks can never be schools.  
 II. Any bank which is an institute is a school.
- (38-39) **Statements:** All energies are forces. No force is torque. All torques are powers.
38. **Conclusions:**  
 I. All energies being power is a possibility.  
 II. All powers being force is a possibility.

39. **Conclusions :**  
 I. All those powers if they are forces are also energies.  
 II. No energy is torque.
40. **Statements:** All circles are squares. Some squares are rectangles.  
**Conclusions:**  
 I. All rectangles being squares is a possibility.  
 II. All circles being rectangles is a possibility.
41. **Statements:** No gadget is a machine. All machines are computers.  
**Conclusions:**  
 I. No computer is a gadget.  
 II. All computers being gadgets is a possibility.
42. **Statements:** Some paintings are drawings. All sketches are paintings.  
**Conclusions:**  
 I. All sketches are drawings.  
 II. Some sketches being drawings is a possibility.

**Directions (Q. 43-47):** Study the following information to answer the given questions:

Each of the seven plays viz P, Q, R, S, T, V and W are scheduled to be staged on a different day of a week starting from Monday and ending on Sunday of the same week. Play V is scheduled on Thursday. Two plays are scheduled to be held between Play V and Play P. Only one play is scheduled between Play T and Play S. Play T is not scheduled on the days immediately before or immediately after the day when Play V is scheduled. Play R is scheduled the day immediately before the day when Play W is scheduled. Play S is not scheduled after Play Q.

43. How many plays are scheduled to be staged between Play R and Play S?  
 1) None                      2) One                      3) Two  
 4) Three                      5) Four
44. Which of the following plays is scheduled on Saturday?  
 1) Q                      2) W                      3) R  
 4) S                      5) T
45. R is related to S in a certain way. In the same way P is related to V based on the given schedule. Which of the following is W related to following the same pattern?  
 1) P                      2) Q                      3) R  
 4) T                      5) Cannot be determined
46. On which of the following days is Play W scheduled?  
 1) Monday                      2) Tuesday                      3) Wednesday  
 4) Saturday                      5) Cannot be determined
47. Which of the following plays is scheduled on Friday?  
 1) R                      2) T                      3) Q  
 4) W                      5) S
- Directions (Q. 48-49):** Four of the following five are alike in a certain way and hence form a group. Which is the one that does not belong to the group?
48. 1) Drop                      2) Decrease                      3) Dip  
 4) Decline                      5) Change

49. 1) Exchange                      2) Replace  
 3) Discriminate                    4) Substitute  
 5) Swap

**Directions (Q. 50-52): Four of the following five are alike in a certain way (based on the English alphabetical series) and hence form a group. Which is the one that does not belong to that group?**

50. 1) GKI                      2) FJG                      3) PTR  
 4) MQO                      5) UYW  
 51. 1) CXBD                    2) FUEG                    3) DWCE  
 4) EVGH                      5) HSGI  
 52. 1) HIFE                      2) VWTS                    3) KLHI  
 4) DEBA                      5) NOLK

**Directions (Q. 53-56): Read the following information and five statements given below it carefully and answer the questions which follow:**

Since 2008, migration to urban areas in search of employment has increased several times, surpassing marriage as the biggest reason for migration in India.

- (A) The wages and employment opportunities in rural parts of India have been at par with those in urban areas for last five years.  
 (B) Government and foreign MNCs have concentrated on development of job opportunities only in urban parts of the country.  
 (C) Marriage was once the biggest reason for migration in India.  
 (D) More skilled professionals than manual labourers migrate to urban areas in search of employment.  
 (E) The urban areas attracting migrants are already facing and will further face a severe challenge accommodating increased population while the resources needed to do so remain the same.
53. Which of the statements numbered (A), (B), (C), (D) and (E) mentioned above can be a **reason/cause** for increased migration to urban areas?  
 1) A                      2) B                      3) C  
 4) D                      5) E

54. Which of the following represents a **result/ repercussion** of the increased migration to urban areas?  
 1) A                      2) B                      3) C  
 4) D                      5) E
55. Which of the statements numbered (A), (B), (C), (D) and (E) directly follow/s from the given statement?  
 1) Only A                    2) Only E                    3) Only C  
 4) Only D                    5) Both A and B
56. Which of the statements numbered (A), (B), (C), (D) and (E) mentioned above would **weaken/contradict** the facts presented in the given statement?  
 1) Only A                    2) Only B                    3) Only C  
 4) Only E                    5) Only C and D
57. What will come in place of the question mark based on the English alphabetical order?  
 CEDF GIHK LNMQ ?  
 1) RTSU                    2) RWVX                    3) RTSX  
 4) PRSX                    5) RTUW

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

Each of the five friends A, B, C, D and E travel different distances to their workplaces. A travels more than B but less than E. D travels more than only C. The one who travels the most, travels 30 km. B travels 15 km to his workplace.

58. Who amongst the following possibly travels 5 km to the workplace?  
 1) A                      2) C                      3) D  
 4) E                      5) Either C or D
59. Who amongst the following possibly travels 20 km to his workplace?  
 1) A                      2) C                      3) D  
 4) E                      5) Either A or D
60. How many such pairs of letters are there in the word MODERN, each of which has as many letters between them in the word (in both forward and backward directions) as they have between them in the English alphabetical series?  
 1) None                    2) One                    3) Two  
 4) Three                    5) More than three

**Directions (Q. 61-80): In each of the questions given below, which one of the five Answer Figures on the right should come after the Problem Figures on the left, if the sequence were continued?**

**Problem figures**

61. 

△	○	*	★	3	3	□	₹	□	↑	↑	=				
3	↑	x	=	△	○	□	x	*	↑	=	△	₹	□	*	x
□		₹	₹	↑	=	=		○	x	○	3	3			₹

**Answer figures**

1. 

₹	x	↑	=	3	3	□	₹	□	↑	↑	=			
○	=	△	○	↑	△	△	↑	○	3	△	=	↑	○	3
*		□	₹	*	₹	*	₹	*	□	↑	₹	*	x	

2. 

3	S	A	S	3	S	□	V	3	S
A	+	3	+	A	+	O	*	A	+
△	V	△	*	△	*	A	L	L	*

3. 

3	S	A	S	3	S	□	V	3	S
A	+	3	+	A	+	O	*	A	+
△	V	△	*	△	*	A	L	L	*

4. 

3	S	A	S	3	S	□	V	3	S
A	+	3	+	A	+	O	*	A	+
△	V	△	*	△	*	A	L	L	*

5. 

L	□	O	*	L	□	O	V	L	□	O	V	3	+	S	△	△	O	□	V
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

62. 

A	P	S	O	+	L	□	O	A	*										
q	V	+	□	S	x	P	△	3	V										
S	*	A	L	V	O	A	L	□	S										
O	□	L	x	P	V	*	x	*	A	P	□	*	V	S	+	O	△	L	+

1. 

3	S	A	S	3	S	□	V	3	S
A	+	3	+	A	+	O	*	A	+
△	V	△	*	△	*	A	L	L	*

2. 

3	S	A	S	3	S	□	V	3	S
A	+	3	+	A	+	O	*	A	+
△	V	△	*	△	*	A	L	L	*

3. 

L	□	O	*	L	□	O	V	L	□	O	V	3	+	S	△	△	O	□	V
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

4. 

3	S	A	S	3	S	□	V	3	S
A	+	3	+	A	+	O	*	A	+
△	V	△	*	△	*	A	L	L	*

5. 

L	□	O	*	L	□	O	V	L	□	O	V	3	+	S	△	△	O	□	V
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

63. 

Z	X	F	□	3	0	B	=	U	Z	T	F	0	=	□
B	U	3	X	B	U	□	0	T	U	B	=	T	U	B
0	T	□	F	Z	T	X	F	Z	□	X	0	F	Z	X

=	□	B	X	B	Z	U	=	B	X	=	Z	U	S	B
0	S	X	□	0	=	0	□	X	□	0	B	0	□	X
T	F	Z	T	F	U	T	F	Z	T	F	U	T	F	Z

1            2            3            4            5

64. 

●	+	△	□	+	●	₹	+	=	★
★	□	+	●	★	△	●	₹		
□	□	+	★	★	□	△	★	+	●

●	₹	★	₹	3	=	+	₹	●	=
=	=	★	=	★					
★	+	●	+	₹	+	●	★	₹	+

1            2            3            4            5

65. 

S	A	O	V	C	Z	L	S	V	Z	S	T	C	V	S	O	T	L	P	C
L	D	Z	O	P	A	P	L	A	P	L	A	P	L	A	S	X	V		
C	T	T	V	O	C	T	A	A	O										

O	T	A	O	L	A	O	T	A	O	L	A	O	V	C	A
L	P	L	P	C	L	S	L	S	L	X	S	V	P	C	
C	S	X	V	S	X	V	T	C	P	X	V	P	X	L	T

1            2            3            4            5

66. 

△	₹	S	P	△	0	↑	□	S	↑	0
P	N	□	₹	□	↑	□	△	N	S	₹
0	↑	N	0	□	S	P	₹	△	N	P

P	₹	△	P	0	P	₹	□	S	↑	₹
0	△	N	□	0	□	△	0	₹	P	0
□	↑	S	₹	N	↑	N	△	N	P	

1            2            3            4            5

67. 

	↓	○		↘	○	○	↗	=	←	○	
								=			

	↘	○	=	↘	○		↙	=	↙	○		↘	○

1            2            3            4            5

68. 

C	O	★	P	S	A	□	△	V	★	P	L	q	A	C	↑	□	P	L	O
q	V	L	↑	↑	C	P	q	△	□	O	S	S	V	L	△	↑	A	★	q
S	A	□	△	V	★	O	L	q	C	A	↑	□	P	★	O	△	V	C	S

△	V	C	S	△	C	V	S	A	C	V	S	△	C	V	S	△	C	V	★
q	□	O	↑	↑	□	O	q	q	△	O	↑	q	□	↑	q	□	S	↑	
A	P	L	★	A	L	P	★	□	L	P	★	A	L	P	★	A	L	P	O

1            2            3            4            5

69. 

□	S	=	□	O	□	=	□	P	□	A	□	□	=	□	V	□	V	□	□
A	□		□	S	□		□	S	□	L	□	□		□	L	□	□	□	S
V	L		L	V	V		V	V		P	P		S						

□	O	=	□	□	□	=	□	V	□	V	□	□	=	□	V	□	□	□	□
L	A		L	P	L		L	A	L	P	L		L	P	L	A	L	P	A
P	S		S	=	P	S	S		S	S		S	=	S					P

1            2            3            4            5

70. 

△	↑	F	□	X	T	△	7	9	△	7	9	△	7	9
=	x	T	↑		△	7	3							
x	Z	△	=	△	A	7	↑	S						

△	7	9	△	9	△	S	△	7	S	△	7	9		
↑			7	↑	7	3								
3	3						3	3						

1            2            3            4            5

71. 

W	₹	6	W	₹	=	T	X	₹	3	W	₹	3	W	₹	3	W	₹	3	W	₹
★	A	7	S	★	7	A	★	7	A	★	7	A	★	7	A	★	7	A	★	7
=	3	□	6	↑	3	O	6	W	8	3	P	W	8	3	P	W	8	3	P	W

₹	3	↑	₹	3	↑	₹	3	↑	₹	3	↑	₹	3	↑	₹	3	↑	₹	3	↑
□	B	x	□	B	x	□	B	x	□	B	x	□	B	x	□	B	x	□	B	x
V	C	D	P	V	C	D	P	V	C	D	P	V	C	D	P	V	C	D	P	V

1            2            3            4            5

72. 

X	V	L	□	S	P	O	S	P	★					
O	P	L	V	x	O	O	L	V	□	A	P	S	O	□
S	□	★	★	P	S	□	x	★	x	★	V	V	A	x

X	A	X	A	V	X	V	X	★	X					
S	P	□	□	P	S	□	P	S	S	P	□	□	P	S
★	O	V	★	O	V	★	O	A	★	O	A	O	V	A

1            2            3            4            5

73. 

P	I	R	A	T	E	R	T	P	E	I	A	A	I	E	P	S	D	E	S	A	D	I	P	P	I	D	A	Z	U
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

D	Z	P	U	I	A	P	Z	D	U	I	A	D	I	P	U	Z	A	D	I	P	A	Z	U	D	P	Z	U	I	A
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

1            2            3            4            5

74.

L	O	C	K	A	P	M	S	O	W	T	C	C	O	T	W	E	A	S	M
W	A	S	T	E	L	K	R	A	K	L	S	R	E	M	P	K	C	W	L
P	E	R	M	O	W	T	C	E	M	P	R	A	K	L	S	O	R	P	T

O	P	R	T	O	R	P	T	O	P	R	T	O	R	P	T	O	R	P	T
E	W	C	M	E	W	C	M	E	C	W	M	E	C	W	L	E	W	C	M
K	S	A	L	K	S	A	L	K	S	A	L	K	S	A	M	K	A	S	L

1 2 3 4 5

75.

x	=	7	=	7	□	₹	*	T	□	▽	7	▽	7	T
O	S	□	x	O	S	=	3	B	S	x	T	□	S	x
T	*	▽	▽	B	3	x	S	O	3	=	B	B	O	₹
B	3	₹	₹	T	*	▽	□	7	*	₹	O	=	3	*

3	=	*	=	*	3	□	*	3	=	*	3	□	*	3
O	B	T	▽	₹	O	B	₹	O	▽	S	O	B	₹	x
S	□	x	□	x	S	=	x	S	□	x	₹	=	O	S
7	▽	₹	B	T	7	▽	T	7	B	T	7	▽	T	7

1 2 3 4 5

76.

B	V	→	3	C	ω	<	↓	Λ	∩	ε	-	□	Λ	∩	ε	ω	∩	>	∩
q	T	Γ	C	-	7	Δ	B	↓	b	∩	∩	-	↓	∩	∩	←	q	∩	□

V	B	3	←	>	∩	∩	←	V	B	3	←	V	B	ε	←	V	B	3	←
∩	-	∩	∩	∩	∩	∩	∩	∩	-	∩	∩	∩	-	∩	∩	∩	-	∩	∩

1 2 3 4 5

77.

Δ	L	O	S	3	↑	□	A	A	3	↑	□	□	↑	3	A	A	□	↑	3
A	□	↑	3					O	L	Δ	S	S	O	L	Δ				

L	Δ	S	O	L	O	S	Δ	L	O	S	Δ	S	Δ	L	O	3	A	□	↑
3	A	□	↑	3	A	□	↑	↑	3	□	A	3	↑	□	A	L	O	S	Δ

1 2 3 4 5

78.

M	I	G	H	T	Y	Y	T	M	G	I	H	T	M	Y	H	A	G	G	A	T	Y	M	H	A	T	G	H	S	Y
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Y	S	A	G	T	H	Y	S	A	T	G	H	Y	A	T	G	H	S	Y	T	A	G	S	H	Y	S	G	A	T	H
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

1 2 3 4 5

79.

Δ	∩	∩		Δ	Δ		T			
*	x	Z	Δ	Λ	V	x	Z	O	Δ	x
	V	*	-	*	Λ	∩	O	V		

∩	Δ	∩	Δ	T	Δ	∩	Δ	∩	Δ
Z	Λ	x	Λ	Z	Λ	Z	V	Z	Λ
*		O	O	*		O		O	

1 2 3 4 5

80.

T	₹	P	S	S	x	P	B	Z	P	B	□	=	Z	□	↑	↑	V	□	F
F	□	=	Z	₹	F	↑	=	₹	F	↑	T	P	B	S	Z	T	x	B	
x	V	B	↑	□	T	V	Z	T	V	x	S	V	₹	F	x	P	=	₹	S

S	□	F	P	↑	□	F	P	S	₹	V	□	Z	↑	F	B	Z	↑	x	□
B	Z	T	x	T	x	B	Z	T	x	P	V	□	S	P	V	₹	F		
=	₹	V	↑	=	₹	V	S	F	P	=	↑	=	T	x	₹	=	T	S	B

1 2 3 4 5

81. What is a benefit of networking your computer with other computers?
- 1) Increase in the computer's speed
  - 2) Sharing of cables to cut down on expenses and clutter
  - 3) You have another computer if yours has a breakdown
  - 4) Increase in the speed of the network
  - 5) Sharing of resources to cut down on the amount of equipment needed
82. ROM tells the computer to
- 1) disconnect the computer
  - 2) start up the operating system
  - 3) connect to the hardware
  - 4) turn on
  - 5) pass on data to the RAM
83. Why is technology an important job skill ?
- 1) Technology plays an essential role in most workplaces today.
  - 2) Employers are only looking for people with technology experience.

- 3) Without technology skills you cannot use a job-search Web site.
  - 4) Employers are looking for people to use Microsoft Office.
  - 5) It is in vogue.
84. How do businesses protect their databases?
- 1) Security guards are hired to watch the databases at all times.
  - 2) Databases are protected by file swapping.
  - 3) Databases are naturally protected.
  - 4) Databases are kept physically and electronically secure.
  - 5) The computer room is kept locked after office hours.
85. A(n) \_\_\_\_\_ contains text as well as information about the text.
- 1) annotated language
  - 2) browser language
  - 3) markup language
  - 4) protocol language
  - 5) machine language

86. Microsoft’s operating system Windows
- 1) is designed for multiple concurrent users.
  - 2) has a graphical user interface.
  - 3) can perform multitasking.
  - 4) All of these
  - 5) Both 2) and 3) above.
87. An operating system that can do multitasking means that
- 1) the operating system can divide up work between several CPUs.
  - 2) multiple people can use the computer concurrently.
  - 3) several programs can be operated concurrently.
  - 4) All of these
  - 5) None of these
88. The term “user interface” refers to
- 1) what the user sees on the screen and how they can interact with it.
  - 2) how the operating system responds to user commands.
  - 3) the means by which the user interacts with the peripheral devices on the computer.
  - 4) All of these
  - 5) None of these
89. The path of creation of an executable is
- 1) coding, linking, compiling, parsing.
  - 2) coding, parsing, compiling, linking.
  - 3) coding, compiling, parsing, linking.
  - 4) coding, compiling, linking, parsing.
  - 5) coding, parsing, linking, compiling
90. Computers excel at
- 1) performing the same action(s) over and over the same way.
  - 2) keeping track of large numbers of small details.
  - 3) providing creative solutions to problems.
  - 4) working in fractions of seconds.
  - 5) All of these
91. The \_\_\_\_ icon represents an e-mail message that has not been read.
- 1) Closed envelope
  - 2) Red envelope
  - 3) Highlighted envelope
  - 4) Flashing letter
  - 5) Question Mark
92. A good Web site
- 1) is relevant, reliable, recent and verifiable
  - 2) always stays the same
  - 3) is well-designed but not necessarily accurate
  - 4) contains Terms of Use information
  - 5) is attractive in appearance
93. To start Internet Explorer, \_\_\_\_ on the Windows taskbar, point to All Programs, and then point to Internet Explorer.
- 1) double click the Internet Explorer button
  - 2) click the Start button
  - 3) right click My Computer
  - 4) all of the above
  - 5) reboot the computer
94. A CPU chip developed by Intel for wireless laptops is called the
- 1) Celeron
  - 2) Pentium-M
  - 3) Xeon
  - 4) Itanium
  - 5) None of these
95. A(n) \_\_\_\_ Web site offers a variety of Internet services from a single, convenient location.
- 1) protocol
  - 2) informational
  - 3) portal
  - 4) news
  - 5) chat
96. Which of the following has the most capacity?
- 1) CD-R
  - 2) CD-RW
  - 3) DVD
  - 4) VCD
  - 5) Floppy Disk
97. \_\_\_\_ increase the accuracy of a search by fine-tuning the keywords in the search.
- 1) Indexes
  - 2) Italics
  - 3) Compounds
  - 4) Links
  - 5) Operators
98. The fastest component for accessing stored data/information is/are
- 1) cache
  - 2) DVDs
  - 3) hard disks
  - 4) main memory
  - 5) tape
99. A standard CD player accesses data/information using which method?
- 1) Sequential access
  - 2) Random access
  - 3) Multi-variate access
  - 4) All of these
  - 5) None of these
100. The main purpose(s) of a database management program is to
- 1) allow users to retrieve and analyze stored records.
  - 2) provide a way to store information about specified entities.
  - 3) make it possible for users to store information as interrelated records.
  - 4) translate hard-to-read data into more legible formats.
  - 5) 1), 2) and 3) above

---



---

## Test-II: Quantitative Aptitude

---



---

**Directions (Q. 101-105): What will come in place of question mark (?) in the following questions?**

101.  $5907 - 1296 \div 144 = ? \times 8$
- 1) 726.75
  - 2) 767.25
  - 3) 737.25
  - 4) 676.75
  - 5) None of these
102.  $5\frac{3}{4} - 1\frac{1}{2} - 1\frac{1}{6} = (?)^2 + \frac{1}{12}$
- 1)  $\frac{1}{3}$
  - 2)  $\sqrt{3}$
  - 3) 3
  - 4) 9
  - 5) -3
103.  $(0.216)^2 \div (0.36)^2 \times (0.6)^5 = (0.6)^{? - 2}$
- 1) 11
  - 2) 5
  - 3) 7
  - 4) 9
  - 5) None of these
104.  $56.5\% \text{ of } 1220 - 26.2\% \text{ of } 1100 = (?)^2 + 301.1$
- 1)  $\sqrt{20}$
  - 2) 200
  - 3)  $\sqrt{10}$
  - 4) 100
  - 5) -10

105.  $\sqrt{4^2 \times 8 + (9)^2 - 40} = ?$

- 1) 169                      2) 13                      3) 14  
4) 196                      5) None of these

**Directions (Q. 106-110):** What approximate value will come in place of question mark (?) in the following questions? (You are not expected to calculate the exact value.)

106.  $3237 \div 31 \times 15 = ? \times 17$

- 1) 90                      2) 100                      3) 110  
4) 120                      5) 80

107.  $\frac{458}{32} \div \frac{19}{789} \times \frac{232}{78} = ?$

- 1) 1760                      2) 1880                      3) 1950  
4) 1720                      5) 1650

108.  $(34.34)^2 + (5.96)^2 - (23.09)^2 = ?$

- 1) 510                      2) 540                      3) 620  
4) 680                      5) 650

109.  $\sqrt{7378} \times \sqrt{1330} \div \sqrt{660} = ?$

- 1) 200                      2) 180                      3) 120  
4) 140                      5) 160

110.  $61\% \text{ of } 981 - 150.17 = ? - 65\% \text{ of } 676$

- 1) 760                      2) 780                      3) 830  
4) 860                      5) 890

**Directions (Q. 111-115):** What will come in place of question mark (?) in the following number series?

111. 8 11 20 47 128 (?)

- 1) 483                      2) 488                      3) 397  
4) 371                      5) None of these

112. 71 78 99 134 183 (?)

- 1) 253                      2) 239                      3) 246  
4) 253                      5) None of these

113. 342 337.5 328.5 315 297 (?)

- 1) 265.5                      2) 274.5                      3) 270  
4) 260                      5) None of these

114. 161 164 179 242 497 (?)

- 1) 1540                      2) 1480                      3) 1520  
4) 1440                      5) None of these

115. 239 254 284 344 464 (?)

- 1) 726                      2) 716                      3) 724  
4) 714                      5) None of these

**Directions (Q. 116-120):** In the following questions two equations numbered I and II are given. You have to solve both the equations and

**Give answer If**

- 1)  $x > y$   
2)  $x \geq y$   
3)  $x < y$   
4)  $x \leq y$   
5)  $x = y$  or the relationship cannot be established

116. I.  $x^2 - 10x + 21 = 0$

II.  $y^2 - 16y + 63 = 0$

117. I.  $x^2 - (16)^2 = (23)^2 - 56$

II.  $y^{1/3} - 55 + 376 = (18)^2$

118. I.  $\frac{12}{\sqrt{x}} + \frac{8}{\sqrt{x}} = \sqrt{x}$

II.  $y - \frac{(18)^2}{\sqrt{y}} = 0$

119. I.  $\sqrt{36}x + \sqrt{64} = 0$

II.  $\sqrt{81}y + (4)^2 = 0$

120. I.  $\frac{25}{\sqrt{x}} + \frac{9}{\sqrt{x}} = 17\sqrt{x}$

II.  $\frac{\sqrt{y}}{3} + \frac{5\sqrt{y}}{6} = \frac{3}{\sqrt{y}}$

121. The side of a square is half the diameter of a circle. The area of the square is 1225 sq cm. What is the area of the circle?

- 1) 962.5 sq cm      2) 3850 sq cm      3) 15400 sq cm  
4) 15600 sq cm      5) None of these

122. In a cricket match, Sachin and Viru scored a century each (more than 100 runs) and Yuvi and Gauti scored a half century each. Gauti scored 76 runs and Yuvi scored 12 runs less than Gauti. Viru scored 102 runs. The sum of the scores of all the four players is 442. How many runs did Sachin score?

- 1) 200                      2) 210                      3) 180  
4) 160                      5) None of these

123. Train A crosses a pole in 20 seconds and Train B crosses the same pole in one minute. The length of Train A is half the length of Train B. What is the ratio of the speed of Train A to that of Train B?

- 1) 3:2                      2) 3:4                      3) 4:3  
4) Cannot be determined      5) None of these

124. The cost of 8 kg of almonds is equal to the cost of 50 kg of apples. The cost of 19 kg of mangoes is ₹456. The cost of 1 kg of apples is twice the cost of 2 kg of mangoes. What is the total cost of 3 kg of almonds and 4 kg of apples together?

- 1) ₹2,168                      2) ₹2,248                      3) ₹2,184  
4) ₹2,264                      5) None of these

125. Ravi scored 225 marks in a test and failed by 15 marks. If the passing percentage of the test is 25 per cent, what is the maximum marks of the test?

- 1) 860                      2) 840                      3) 920  
4) 960                      5) None of these

126. The adjacent angles of a parallelogram are in the ratio of 5 : 7. The larger angle of the parallelogram is equal to the largest angle of a triangle. The smallest angle of the triangle is 40° less than the smaller angle of the parallelogram. What is the measure of the second largest angle of the triangle?

- 1) 30°                      2) 40°                      3) 55°  
4) 35°                      5) None of these

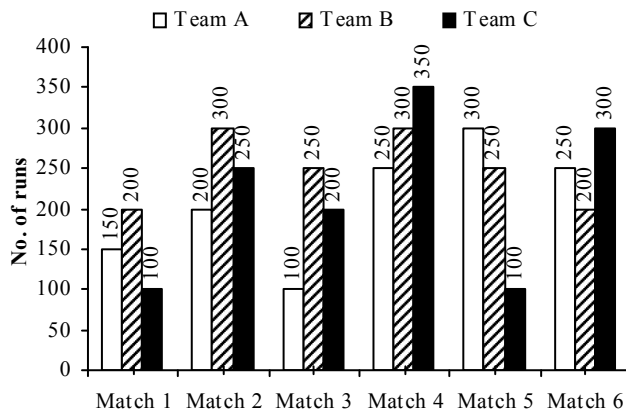
127. Meena purchases 1500 ml of milk every day. If the cost of one liter of milk is ₹44, how much amount will she pay in 20 days?

- 1) ₹1,340                      2) ₹1,320                      3) ₹1,280  
4) ₹1,260                      5) None of these

128. The sum of seven consecutive even numbers of Set A is 378. What is the sum of a different set of four consecutive numbers whose lowest number is 23 less than the mean of Set A?  
 1) 132                      2) 146                      3) 156  
 4) 124                      5) None of these
129. In a school, there are 800 students out of whom 12 per cent are girls. Each boy's monthly fee is ₹220 and each girl's monthly fee is 25 per cent less than that of a boy. What is the total monthly fee of all the girls and boys together?  
 1) ₹1,72,020              2) ₹1,80,780              3) ₹1,70,720  
 4) ₹1,80,600              5) None of these
130. Seven girls can do a piece of work in 13 days, six boys can do the same piece of work in 12 days, nine men can do the same piece of work in nine days and six women can do the same piece of work in 14 days. Who are the most efficient?  
 1) Boys                      2) Girls                      3) Women  
 4) Men                      5) Both men and women

**Directions (Q. 131-135): Study the following graph carefully to answer the questions that follow:**

**Number of runs scored by three different teams in six different cricket matches**



131. What is the percentage increase in the number of runs scored by Team B in Match 4 as compared to that in the previous match (Match 3)?  
 1) 40                      2) 30                      3) 20  
 4) 25                      5) None of these
132. What is the ratio of the number of runs scored by Team A in Match 2 to the number of runs scored by Team C in Match 6?  
 1) 5 : 4                      2) 2 : 5                      3) 2 : 3  
 4) 3 : 4                      5) None of these
133. What is the average number of runs scored by Team B in all the matches together?  
 1) 250                      2) 275                      3) 200  
 4) 300                      5) 225

134. The number of runs scored by all the teams together in Match 3 is **approximately** what percentage of the total runs scored by Team C in all the matches together?  
 1) 37                      2) 57                      3) 52  
 4) 47                      5) 42
135. In which match is the total runs scored by all the teams together the second highest?  
 1) Match 2 only  
 2) Match 6 only  
 3) Match 4 only  
 4) Both Match 2 and Match 6  
 5) Both Match 2 and Match 4

**Directions (Q. 136-140): Study the table carefully to answer the questions that follow:**

**Number of girls and boys (in hundreds) in six different years in five different schools**

School → Years ↓	A		B		C		D		E	
	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls
2005	3.3	3.6	5.2	3.1	5.5	4.5	2.4	1.4	6.5	6.6
2006	6.6	4.2	4.9	2.2	6.9	3.3	4.4	2.3	5.5	3.6
2007	9.3	6.9	4.7	4.2	5.8	4.9	6.4	3.3	2.7	2.4
2008	5.4	9.6	6.3	5.4	6.6	5.2	5.3	5.4	5.4	5.7
2009	8.4	12.9	7.5	5.9	8.7	6.6	12.1	5.2	6.8	6.5
2010	12.3	14.4	9.8	4.4	11.7	4.2	12.2	9.4	10.8	12.7

136. What is the **approximate** percentage decrease in the number of boys in School D in the year 2008 as compared to that in the previous year?  
 1) 17                      2) 12                      3) 9  
 4) 5                      5) 23
137. The number of girls in School B in the year 2009 is **approximately** what per cent of the total number of students (both boys and girls) in School E in the year 2006?  
 1) 46                      2) 52                      3) 70  
 4) 58                      5) 65
138. What is the average number of girls in School A in all the years taken together?  
 1) 760                      2) 800                      3) 860  
 4) 600                      5) None of these
139. What is the ratio of the number of boys in School C in the year 2009 to the number of girls in School A in the year 2009?  
 1) 29 : 41                      2) 36 : 11                      3) 29 : 43  
 4) 36 : 13                      5) None of these
140. In which year is the total number of students (both girls and boys together) the third highest in School E?

- 1) 2006                      2) 2007                      3) 2008
- 4) 2005                      5) 2010

**Directions (Q. 141-145): Study the information carefully to answer the questions that follow:**

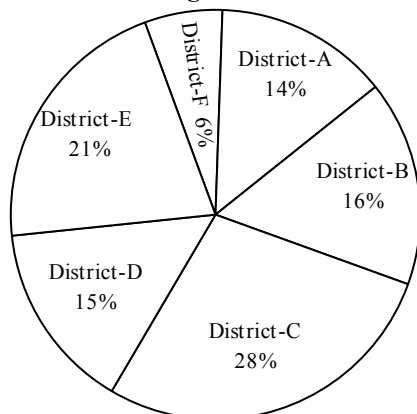
A company produces five different products, viz Television, Refrigerator, Mobile Phone, Oven and Water Heater. The total number of all the five products manufactured is 1200. 15 per cent of the total number of products are Televisions. Three-tenths of the total number of products are Refrigerators. The number of Mobile Phones manufactured is 40 more than the number of Televisions. 22 per cent of the total number of products is Oven and the remaining number of products is Water Heaters.

141. What is the total number of Refrigerators and Water Heaters?  
 1) 436                      2) 476                      3) 576  
 4) 536                      5) None of these
142. The number of Mobile Phones is approximately what per cent of the number of Televisions?  
 1) 115                      2) 140                      3) 135  
 4) 130                      5) 120
143. If the cost of one Oven is ₹8,200, what is the cost of all the Ovens manufactured by the company?  
 1) ₹2,16,480              2) ₹21,68,400              3) ₹2,16,48,000  
 4) ₹2,16,840              5) None of these
144. What is the difference between the number of Refrigerators and the number of Mobile Phones manufactured?  
 1) 160                      2) 140                      3) 120  
 4) 130                      5) None of these
145. If 25 per cent of the number of Ovens are defective, what is the number of non-defective Ovens?  
 1) 176                      2) 188                      3) 198  
 4) 186                      5) None of these

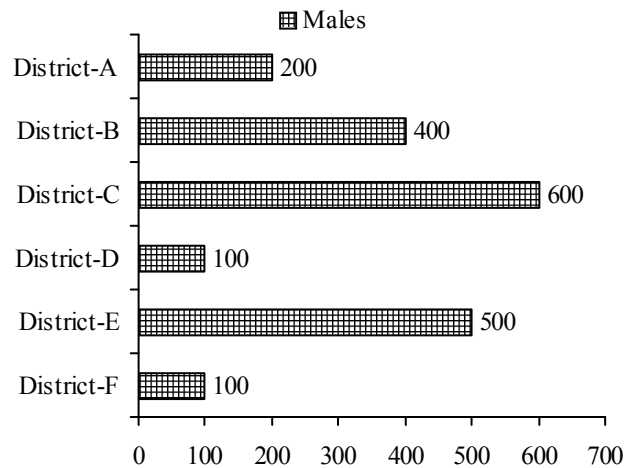
**Directions (Q. 146-150): Study the following pie-chart and bar-graph and answer the following questions.**

**Percentage-wise distribution of teachers in six different districts**

**Total number of Teachers = 4500**  
**Percentage of Teachers**



**Number of males out of the 4500 teachers in each district separately**



146. What is the total number of male teachers in District F, female teachers in District C and female teachers in District B together?  
 1) 1080                      2) 1120                      3) 1180  
 4) 1020                      5) None of these
147. The number of female teachers in District D is **approximately** what per cent of the total number of teachers (both male and female) in District A?  
 1) 70                      2) 75                      3) 80  
 4) 95                      5) 90
148. In which district is the number of male teachers more than the number of female teachers?  
 1) B only                      2) D only                      3) Both B and E  
 4) Both E and F              5) None
149. What is the difference between the number of female teachers in District F and the total number of teachers (both male and female) in District E?  
 1) 625                      2) 775                      3) 675  
 4) 725                      5) None of these
150. What is the ratio of the number of male teachers in District C to the number of female teachers in District B?  
 1) 11:15                      2) 15:11                      3) 15:8  
 4) 30:13                      5) None of these

### Test-III: General Awareness on Socio-Economic Developments

151. Micro credit or micro finance is a novel approach to banking with the poor. In this approach, bank credit is extended to the poor through  
 1) Self Help Groups                      2) Anganwadi  
 3) Cooperative Credit Societies              4) RBI  
 5) None of these

152. TRAI regulates the functioning of which of the following services?  
 1) Port                      2) Trade                      3) Telecom  
 4) Transport                5) None of these
153. Many times we read about 'Hawala' transactions in newspapers. Hawala, in India, is prohibited under the provision of which of the following Acts?  
 1) Fiscal Responsibility and Budget Management Act  
 2) Banking Regulation Act  
 3) Financial Action Task Force Act  
 4) Foreign Exchange Management Act  
 5) None of these
154. Which of the following is the popular name of the norms by which a bank satisfies itself about the customer's identity and activities?  
 1) Basel norms    2) KYC norms    3) Service norms  
 4) Lending norms 5) None of these
155. Mutual funds are regulated by  
 1) Association of Mutual Funds of India (AMFI)  
 2) Securities and Exchange Board of India (SEBI)  
 3) Reserve Bank of India  
 4) IRDA  
 5) None of these
156. Bancassurance is  
 1) an insurance scheme to insure bank deposits  
 2) an insurance scheme exclusively for the employees of banks  
 3) a composite financial service offering both banking and insurance products  
 4) a bank deposit scheme exclusively for employees of insurance companies  
 5) None of these
157. Sarva Shiksha Abhiyan is aimed at which of the following?  
 1) Education of children between 6-14 years  
 2) Education of girls up to graduation level  
 3) College education  
 4) Adult education  
 5) Engineering and technical education
158. Jnanpith Award is given for excellence in the field of  
 1) Social Service                      2) Sports  
 3) Classical Dance                      4) Music  
 5) Literature
159. Which of the following bills presented in the Parliament will bring some changes in the existing tax regime?  
 1) Direct Taxes Code (DTC) Bill  
 2) Foreign Exchange Management Regulatory Bill  
 3) Companies Act Bill  
 4) Salaries and Perks for MPs Bill  
 5) Finance Bill 2010-11
160. The full form of PIN in the parlance of an ATM card is  
 1) Permanent Information Number  
 2) Personal Identification Number  
 3) Professional Identification Number  
 4) Permanent Identification Number  
 5) Personal Index Number
161. Which of the following is not a function of the RBI ?  
 1) Maintaining Forex  
 2) Deciding Bank Rate, CRR and SLR from time to time  
 3) Opening Savings Accounts for general public  
 4) Prescribing the Capital Adequacy Ratio  
 5) Currency Management
162. Obligation of a banker to maintain secrecy is applicable to  
 1) only in case of existing deposit accounts  
 2) only in case of existing loan accounts  
 3) only in case of closed accounts  
 4) in all types of deposit/loan accounts (existing/closed)  
 5) None of these
163. Banks, today, in addition to normal banking services, offer which of the following services?  
 1) Internet Banking  
 2) Depository Services  
 3) Financial Counselling Services  
 4) Only 1) and 2) above  
 5) All 1), 2) and 3) above
164. Dr Muhammad Yunus is a resident of  
 1) India                                      2) Pakistan  
 3) Bangladesh                              4) USA  
 5) UK
165. Which of the following cannot be called an anti-inflationary measure?  
 1) Raising the Bank Rates  
 2) Raising the Reserve Ratio Requirements  
 3) Purchasing securities in the Open Markets  
 4) Rationing of the Credit  
 5) None of these
166. Which of the following is the major marine food export item of India?  
 1) Frozen Fish                              2) Frozen Shrimp  
 3) Frozen Crab                              4) Cephalopod  
 5) None of these
167. In context of business and banking, what is CRAR?  
 1) Capital to Risk Asset Ratio  
 2) Credit to Risk Asset Ratio  
 3) Credit to Risk Assessment Ratio  
 4) Capital to Risk Assessment Rate  
 5) Credit Rate Assessment Ratio
168. The monetary authority in India, viz Reserve Bank of India, is bound to maintain a reserve against the notes issued, whatever may be the amount. This system is called as  
 1) Minimum Reserve System  
 2) Proportional Reserve System  
 3) Maximum Fiduciary Issue System  
 4) Simple Deposit System  
 5) None of these

169. Consider the following:  
 (A) Bank Rate Policy  
 (B) Open Market Operations  
 (C) Devaluation of Rupee  
 Which of the above are called fiscal measures?  
 1) Only (A)                      2) Both (A) and (B)  
 3) Both (A) and (C)          4) Only (C)  
 5) None of these
170. Which of the following is the most abundant human resource in India?  
 1) High-skilled labour in organised sector  
 2) High-skilled labour in unorganised sector  
 3) Low-skilled labour in organised sector  
 4) Low-skilled labour in unorganised sector  
 5) None of these
171. What is the maximum amount per withdrawal in a day that can be withdrawn by a customer by using ATM of another bank?  
 1) ₹1,000                      2) ₹3,000                      3) ₹5,000  
 4) ₹10,000                    5) No such limit exists
172. Interest rates on which of the following deposit schemes is fixed by the Reserve Bank of India?  
 1) Fixed deposits above five years' maturity  
 2) Recurring deposits  
 3) Savings bank  
 4) Flexi Deposit scheme  
 5) None of these
173. Which of the following policies is known as Annual Policy Statement?  
 1) Annual budget of Central Govt  
 2) Credit and monetary policy of RBI  
 3) Foreign trade policy of DGFT  
 4) Regulations issued by SEBI  
 5) None of these
174. Appropriate banking facilities will be provided to habitations having population above 2000 people by  
 1) 2011                      2) 2012                      3) 2013  
 4) 2014                      5) 2015
175. Govt shareholding in public sector banks cannot be below  
 1) 33%                      2) 51%                      3) 74%  
 4) 76%                      5) 100%
176. The Union Budget for 2011-12 proposed lowering of qualifying age for tax relief for senior citizens from 65 years to  
 1) 55 years                    2) 58 years                    3) 63 years  
 4) 62 years                    5) 60 years
177. Government of India in March 2011 conferred the Miniratna status on which of the following PSUs?  
 1) National Small Industries Corporation (NSIC)  
 2) Air India Charters Ltd  
 3) Cement Corporation of India  
 4) HMT Machine Tools Ltd  
 5) Bharat Heavy Electricals Ltd
178. Noted Social worker Anna Hazare started his hunger strike at Jantar Mantar in New Delhi to protest against the reported delay in bringing of which of the following bills to effectively deal with corruption?  
 1) Central Vigilance Commission Bill  
 2) The Competition (Amendment) Bill  
 3) The Airports Economic Regulatory Authority of India Bill  
 4) The Appropriation (No. 3) Bill  
 5) The Lokpal Bill
179. As we all know, Govt of India collects tax revenue on various activities in the country. Which of the following is a part of the tax revenue of the Govt?  
 (A) Tax on Income  
 (B) Tax on Expenditure  
 (C) Tax on Property or Capital Asset  
 (D) Tax on Goods and Services  
 1) Both (A) and (C) only    2) Both (B) and (D) only  
 3) All (A), (B), (C) and (D)    4) Only (B), (C) and (D)  
 5) None of these
180. Sardar Sarovar dam is on which of the following rivers?  
 1) Ganga                      2) Yamuna                      3) Beas  
 4) Narmada                    5) Ravi
181. As per the target for the 11th Five Year Plan, educated unemployment is to be reduced to which of the following levels?  
 1) 9%                      2) 6%                      3) 7%  
 4) 8%                      5) 5%
182. Which of the following Acts was framed specially to deal more effectively with the problem of Non-Performing Assets in banking system?  
 1) Companies Act  
 2) Banking Regulation Act  
 3) Foreign Exchange Management Act  
 4) Industrial Dispute Act  
 5) SARFAESI Act
183. Very often we read in newspapers/magazines about 'Sovereign Wealth Funds'. Which of the following is/are the correct description of the same?  
 (A) These are the funds or the reserves of a government or central bank of a country which are invested further to earn profitable returns.  
 (B) These are the funds which were accumulated by some people over the years but were not put in active circulation as they retain them as black money for several years.  
 (C) The funds which are created to be used as relief funds or bailout packages.  
 1) Both (B) and (C) only    2) Only (B)  
 3) Only (C)                      4) Only (A)  
 5) None of these
184. Credit Rating  
 1) is used to rate the borrowers while giving advances.

- 2) is used to work out performance of the employees.  
 3) is used to calculate the number of excellent audited-branches.  
 4) is not used in any bank.  
 5) is necessary before giving promotion to employees.
185. The names of which of the following rates/ratios cannot be seen in financial newspapers?  
 1) Bank Rate  
 2) Repo Rate  
 3) Statutory Liquidity Ratio  
 4) Cash Reserve Ratio  
 5) Pulse Rate
186. Invisible Export means export of  
 1) Perishable goods  
 2) Prohibited goods  
 3) Unrecorded goods  
 4) Goods through smuggling  
 5) Services
187. Ten-rupee notes contain the signature of  
 1) Finance Secretary, GOI  
 2) Chairman, State Bank of India  
 3) Governor, Reserve Bank of India  
 4) Finance Minister, GOI  
 5) Prime Minister
188. In Banking terminology, NPA means  
 1) No-Promise Account    2) Non-Personal Account  
 3) Non-Performing Asset    4) Net Performing Asset  
 5) New Promising Ambience
189. Who is the present RBI Governor ?  
 1) Dr Y V Reddy    2) Dr Ravi Mohan  
 3) Dr Smt Usha Thorat    4) Shri M V Nair  
 5) Dr D Subbarao
190. The wheat-based nutrition programme is being implemented by which of the following ministries/ departments of the Govt of India?  
 1) Ministry of Labour Welfare  
 2) Department of Women and Child Development  
 3) Department of Consumer Affairs  
 4) Ministry of Agriculture  
 5) Ministry of Planning
191. Which of the following is **true** about Rajiv Gandhi Grameen Vidyutikaran Yojana of the Govt of India ?  
 (A) Its objective is electrification of all unelectrified villages.  
 (B) It was launched to provide free electricity to the farmers during the harvesting season.  
 (C) Each family covered under this scheme is eligible to get one free electricity connection for a period of five years.  
 1) Only (A)    2) Only (B)  
 3) Only (C)    4) Both (A) and (C)  
 5) All (A), (B) and (C)
192. “Manila Samakhya Scheme” has been launched by the ministry of  
 1) Human Resource Development  
 2) Social Welfare  
 3) Rural Development  
 4) Agriculture  
 5) Youth Affairs and Sports
193. National Rural Health Mission was launched in the year  
 1) 1995    2) 2000    3) 2007  
 4) 2010    5) 2005
194. Which of the following schemes has been launched for providing health services in rural areas?  
 1) Operation Flood    2) Look East  
 3) SJSRY    4) JNNURM  
 5) ASHA
195. Which of the following schemes has been launched for the school-going children?  
 1) Lok Jumbish  
 2) Mid Day Meal  
 3) Sarva Shiksha Abhiyan  
 4) AYUSH  
 5) None of these
196. The eligible age for pension under Indira Gandhi National Old Age Pension Scheme for Below Poverty Line beneficiaries has now been reduced to  
 1) 65 years    2) 60 years    3) 58 years  
 4) 62 years    5) 55 years
197. Which of the following schemes has been launched by the Govt of India to provide/develop infrastructure in rural areas?  
 1) Mahatma Gandhi National Rural Employment Guarantee Act  
 2) Financial Action Task Force  
 3) Pradhan Mantri Shahari Rozgar Yojana  
 4) Bharat Nirman  
 5) None of these
198. Govt of India has launched special Green Revolution project for which of the following states/group of states?  
 1) North-East states    2) Bihar and Jharkhand  
 3) West Bengal    4) Tamil Nadu and Kerala  
 5) None of these
199. ‘Sugam’ is a scheme launched for  
 1) Small tax payers  
 2) Pensioners getting old age pension  
 3) Big corporate houses  
 4) Getting all sorts of permission/clearances for small exporters  
 5) None of these
200. Govt of India has created a special fund called India Micro Finance Equity Fund of ₹100 crores. The fund is maintained by  
 1) IDBI Bank    2) RBI    3) ECGC  
 4) SIDBI    5) NABARD

## Test-IV: General English

**Directions (Q. 201-215):** In the following passage, there are blanks, each of which has been numbered. These numbers are printed below the passage and against each, five words are suggested, one of which fits the blank appropriately. Find out the appropriate word in each case.

*Prima facie*, there is much cause (201) cheer. Provisional data gleaned from the latest Census (202) that India's literacy level has soared: India's effective literacy rate jumped by 9.2% to (203) 74.04%.

Significantly, literacy rate improved sharply among females compared (204) males. Thus, while effective literacy rate for males rose from 75.26% to 82.14% — a rise of 6.9% — literacy rates for females climbed from 53.67% to 65.48%, an 11.8% increase.

That is (205) news indeed. But this data masks a few worrying concerns. First, the data relates to effective literacy, and (206) literacy. Measuring effective literacy in India means (207) anyone who can read and write his or her own name. (208), if Ram knows how to read and write the three letters of his name, and Sita knows how to (209) and write the four letters of her name, they get included in the (210) of effective literates. This is not the way developed countries (211) literacy.

Second, literacy becomes relevant if it (212) to employability. Both the Confederation of India Industry and the Boston Consulting Group have estimated that India would face a "talent gap" of more than five million by 2012, as (213) educational institutions do not impart employable skills. Just 20% of the engineering graduates are employable. A McKinsey report finds only 25% engineers, 15% finance graduates and less than 10% of the other graduates to be employable.

It is even (214) alarming when one takes into account that graduates comprise only 3.5% of India's population. This includes graduates in all streams such as Arts, Commerce, Science, Engineering and Medicine. If 90% of the graduates are unemployable, it means that barely 0.5% of India's population (215) employable graduates.

201. 1) of                      2) at                      3) upon  
4) for                      5) off
202. 1) show                2) speak                3) site  
4) seek                    5) strive
203. 1) cross                2) decline                3) reach  
4) increase              5) double
204. 1) to                      2) against                3) for  
4) of                        5) at
205. 1) worrying            2) expected              3) new  
4) old                      5) heartening
206. 1) also                    2) nor                      3) not  
4) ineffective            5) masked

207. 1) excluding            2) rejecting              3) encouraging  
4) including              5) subjecting
208. 1) Since                2) Thus                    3) There  
4) Provided                5) Even
209. 1) speak                2) say                      3) tell  
4) read                      5) point
210. 1) process                2) dynamic                3) style  
4) development            5) category
211. 1) reduce                2) increase                3) enhance  
4) entertain                5) define
212. 1) succumbs            2) leads                    3) reduces  
4) manages                5) makes
213. 1) future                2) existing                3) overseas  
4) bad                        5) best
214. 1) less                    2) above                    3) more  
4) significant              5) major
215. 1) comprises            2) provides                3) educates  
4) postulates              5) predicts

**Directions (Q. 216-220):** Rearrange the following five sentences (A), (B), (C), (D) and (E) in the proper sequence to form a meaningful paragraph; then answer the questions given below.

- (A) This calls for a deeper understanding of the perceived as well as real risks of nuclear power for the countries where production and consumption levels of electricity are high.
- (B) However, in per capita terms, it ranks around 150.
- (C) The accident at Japan's Fukushima nuclear power plant as a result of a tsunami seems to have made a heavier impact on the minds of public all over the world than the tsunami itself.
- (D) China is at the 80th rank, Russia at 26th, Japan at 19th and the US at 11th and in these as well as in India nuclear power is the only energy source which can meet the challenge.
- (E) Among these countries, India is the fifth largest producer of electricity in the world after China, the US, Japan and Russia.
216. Which of the following would be the **SECOND** sentence?  
1) A                      2) B                      3) C  
4) D                      5) E
217. Which of the following would be the **FIFTH** sentence?  
1) C                      2) D                      3) E  
4) A                      5) B
218. Which of the following would be the **FOURTH** sentence?  
1) B                      2) C                      3) D  
4) E                      5) A
219. Which of the following would be the **THIRD** sentence?  
1) D                      2) E                      3) A  
4) B                      5) C
220. Which of the following would be the **FIRST** sentence?  
1) E                      2) A                      3) B  
4) C                      5) D

**Directions (Q. 221-231):** Read each sentence to find out whether there is any grammatical error in it or a wrong word has been used. The error, if any, will be in one part of the sentence which has been numbered 1), 2), 3) or 4). The number of that part is the answer. If there is no error, the answer is 5), ie 'No error'. (Ignore the errors of punctuation, if any.)

221. The letter of offer / is being dispatched to / the share-  
1) holders of the company / whom were allotted shares.  
2) / No error  
3) 4)  
5)

222. The government policy does not / necessary have / to  
1) be / dictated by global policy changes. / No error  
2) 3)  
4) 5)

223. Nothing is perfect / and we might realise / that even  
1) when / we went wrong, the consequences was not as  
2) bad. / No error  
3) 4)  
5)

224. When the astronomers first begin / studying the motion  
1) of galaxies, / they had no idea they had / embarked upon  
2) a great discovery. / No error  
3) 4)  
5)

225. The child / was to / small to / reach the switch.  
1) 2) 3) 4)  
/ No error  
5)

226. The rate of metabolism of / a body is comparatively  
1) lowest when / it is at rest and is / thus optimum for  
2) examination. / No error  
3) 4)  
5)

227. The opposition leader tried / to bolster his position /  
1) with the voters by pressing / corruption charges  
2) against rivals. / No error  
3) 4)  
5)

228. The recently imposed dress code / in the university has  
1) enraged / the students who will be going / on strike  
2) since tomorrow. / No error  
3) 4)  
5)

229. Ever since he took over / as the chief minister of the  
1) state, / rate for unemployment / has drastically increased.  
2) 3) 4)  
/ No error  
5)

230. Although a brilliant writer, / an lying / pessimism  
1) prevails in / all her novels. / No error  
2) 3) 4) 5)

231. Changed social setting / demands the schools to teach /  
1) moral and social values / among with the academic skills.  
2) 3) 4)  
/ No error  
5)

**Directions (Q. 232-236):** Which of the phrases 1), 2), 3) and 4) given below each statement should replace the phrase printed in bold in the sentence to make it grammatically correct? If the sentence is correct as it is given and no correction is required, mark 5) as the answer.

232. The grim job market has taken its toll on students, **many of those** had hoped for a much better future.  
1) much of whom 2) many of whom  
3) several of those 4) many of which  
5) No correction required

233. The relationship we have with **our clients are** the cornerstone of our future.  
1) our client are 2) each clients is  
3) our clients is 4) all clients are  
5) No correction required

234. Many developed countries **have been attempting** to buy agricultural land in other countries to meet their own demand.  
1) has been attempting 2) have being attempting  
3) are being attempting 4) have been attempted  
5) No correction required

235. A nuclear testing fills the air with radioactive dust **and left the** area uninhabitable.  
1) and leaves the 2) also leaves the  
3) and leaving the 4) and making the  
5) No correction required

236. Modern ideas of governance **started back to** the time when people began to question kings.  
1) started when 2) set back to 3) start back to  
4) date back to 5) No correction required

**Directions (Q. 237-241):** Read the following passage and answer the questions given below it. Certain words in the passage are given in bold to help you locate them easily while answering some of the questions.

Comfort is now one of the causes of its own spread. It has now become a physical habit, a fashion, an ideal to be pursued for its own sake. The more comfort is brought into

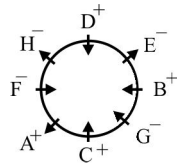


- 1) praise, manipulation    2) grow, mismanagement  
 3) criticise, farming    4) avoid, experience  
 5) condemn, abuse
249. Given that only seven per cent of the country's labour force is in the organised sector, training options \_\_\_\_\_ for the unorganised sectors should also be \_\_\_\_\_.
- 1) available, enhanced    2) absent, improved  
 3) lacking, sustained    4) existing, restricted  
 5) offered, limited

250. Government initiatives and participation of many industrial houses in \_\_\_\_\_ loans to the villagers have led to the \_\_\_\_\_ of the farmers.
- 1) providing, plight  
 2) disbursing, betterment  
 3) denying, revitalisation  
 4) subsidising, suffering  
 5) taking, advancement

**Answers and explanations**

(1-7):



+ represents a male  
 - represents a female

1. 1  
 2. 2; F and A  
 3. 1  
 4. 2  
 5. 3; Other pairs consist of immediate neighbours.  
 6. 4; Other are facing towards the centre.  
 7. 4

- (8-14): school — ni  
 is — to  
 far — ba  
 from — ga  
 here — di  
 come — mo  
 late — fa  
 the bus — ru zi

8. 1    9. 2    10. 1    11. 4    12. 3  
 13. 4    14. 5

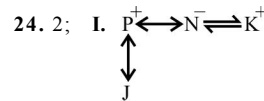
(15-23): In the given word arrangement machine, words are shifted to the left in alphabetical order one by one.

- (15-19): **Input:** held nature yeast rich win alter infer lost so done  
**Step I:** alter held nature yeast rich win infer lost so done  
**Step II:** alter done held nature yeast rich win infer lost so  
**Step III:** alter done held infer nature yeast rich win lost so  
**Step IV:** alter done held infer lost nature yeast rich win so  
**Step V:** alter done held infer lost nature rich yeast win so  
**Step VI:** alter done held infer lost nature rich so yeast win  
**Step VII:** alter done held infer lost nature rich so win yeast

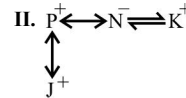
15. 4  
 16. 3  
 17. 5; fourth from the left end or seventh from the right end.  
 18. 1    19. 2

- (20-23): **Step I:** D  
**Step II:** B  
**Step III:** A  
**Step IV:** E  
**Step V:** C

20. 5    21. 5    22. 5    23. 3



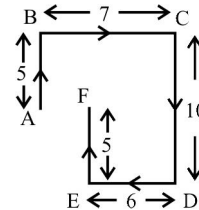
Using I only, we cannot determine if J is the nephew or niece of K.



J is the nephew of K.

25. 1; I. Using I only we can determine that G stays on 4th floor.  
 II. Using II alone, we cannot determine if G stays on 2nd or 4th floor.
26. 5; I. Raju can take 4 to 8 days to complete the work.  
 II. Raju can take 8 to 10 days to complete the work.  
 Using both the statements together, we can determine that Raju took 8 days to complete the work.
27. 3  
 28. 4; Even by using both the statements together we cannot determine whether B has higher number of students or D.

(29-30):



29. 1  
 30. 5;  $5 + 7 + 10 + 6 + 5 = 33m$   
 31. 5;  $R \leq P \leq U \leq K$   
 $U < L$   
 I.  $K \geq R$  is true.  
 II.  $L > R$  is true.
32. 3;  $H = I \leq R \leq M$   
 Hence,  $M \geq I$   
 I.  $M = I$   
 II.  $M > I$   
 Either I or II is true.
33. 2;  $D > H \geq N$   
 $H \geq I < S$   
 I.  $N \leq S$  is not true.  
 II.  $I < D$  is true.
34. 2;  $W < Y < P \leq O < I$   
 I.  $Y \leq I$  is false.

- II.  $O > W$  is true.
35. 5;  $A \geq B > C \geq F$   
 $E > D \geq C > Z$   
 I.  $A > Z$  is true.  
 II.  $F < E$  is true.
36. 2; All institutes are academic + All academics are schools = A + A = A = All institute are schools. Hence I does not follow. Some institute are banks (I) → conversion → Some banks are institute (I) + All institutes are academics = I + A = I = Some banks are academics. Hence the possibility of II exists.
37. 2; Some banks are academics = All academics are schools = I + A = I Some banks are schools. This does not lead us to I. II follows because All institutes are school.
38. 1; No force is torque + All torques are powers = E + A = O = Some powers are not forces. Hence the possibility of II is ruled out. All energies are forces + No force is torque = A + E = E = No energy is torque + All torques are powers = E + A = O = Some powers are not energies. This does not rule out the possibility of I.
39. 2; II follows from the solution to the above question. But I does not follow unless we know that All forces are energies.
40. 5; The possibilities exist because we don't have any negative statements.
41. 4; No gadget is a machine + All machines are computer = E + A = O = Some computers are not gadget. This rules out the possibility of II. As for I, it may be true but we can't say so with certainty.
42. 2; There being no negative statements, the possibility (conclusion II) exists but not certainty (conclusion I).

(43-47):

Mon	P
Tue	R
Wed	W
Thu	V
Fri	S
Sat	Q
Sun	T

43. 3      44. 1      45. 2      46. 3      47. 5  
 48. 5      49. 3      50. 2      51. 4      52. 3  
 53. 2      54. 5      55. 3      56. 1      57. 3
- (58-59): According to the distance travelled,  $E(30) > A > B(15) > D > C$
58. 5      59. 1

60. 3; M O D E R N

(61-66, 71, 72, 74-77 and 80): The shifting of elements takes place in such a way that the cycle gets completed in 3 steps ie from figure 1 to 4 ie, the shifting from figure 1 to 2 gets repeated from figure 4 to 5. So the shifting from figure 5 to 6 will be the same as from figure 2 to 3.

61. 2      62. 3      63. 5      64. 4      65. 2  
 66. 3

67. 3; In subsequent steps the arrow rotates by  $45^\circ, 90^\circ, 135^\circ, 180^\circ, 225^\circ$  ACW while the pin gets inverted in each step and shifts  $\frac{1}{2}, 1, 1\frac{1}{2}, \frac{1}{2}, \dots$  side CW in subsequent steps.

68. 4; In alternate steps the elements shift from upper left to second from left in middle row → lower left → upper left. The upper right → second from right in middle row → lower right → upper right. The middle left and the middle right interchange places so do second and third of the

upper row with third and second of the lower row.

69. 5; The shifting takes place in such a way that the cycle gets completed in four steps. So the shifting from figure 1 to 2 will be repeated in figure 5 to 6.
70. 5; In alternate steps the triangle shifts one and half-a-side ACW so option 1, 4 and 5 may be answer. The other corner element shifts one side ACW and is replaced by a new one.
71. 5  
 72. 2  
 73. 1; In alternate steps the first and the third from top interchange positions so do the second and fifth and the third and the sixth from top.

74. 1      75. 2      76. 5      77. 4



78. 1; In alternate steps the elements shift like

79. 5      80. 1      81. 5      82. 2      83. 1  
 84. 4      85. 3      86. 4      87. 3      88. 1  
 89. 4      90. 5      91. 1      92. 1      93. 2  
 94. 3      95. 3      96. 3      97. 1      98. 4  
 99. 4      100. 5

101. 3;  $5907 - 9 = ? \times 8$

$$? = \frac{5898}{8} = 737.25$$

102. 2;  $(?)^2 = \frac{23}{4} - \frac{3}{2} - \frac{7}{6} - \frac{1}{12}$

$$= \frac{69 - 18 - 14 - 1}{12} = \frac{36}{12} = 3$$

$$\therefore ? = \sqrt{3}$$

103. 4;  $\left[\left(\frac{6}{10}\right)^3\right]^2 \div \left[\left(\frac{6}{10}\right)^2\right]^2 \times \left(\frac{6}{10}\right)^5 = \left(\frac{6}{10}\right)^{? - 2}$

$$\text{or } \left(\frac{6}{10}\right)^{6 - 4 + 5} = \left(\frac{6}{10}\right)^{? - 2}$$

$$\therefore ? = 9$$

104. 5;  $\frac{56.5}{100} \times 1220 - \frac{26.2}{100} \times 1100 - 301.1 = (?)^2$

$$690.52 - 288.2 - 301.1 = (?)^2$$

$$? = \sqrt{101.22} = \pm 10.06$$

105. 2;  $\sqrt{16 \times 8 + 81 - 40} = \sqrt{128 + 81 - 40} = \sqrt{169} = 13$

106. 1;  $104.42 \times 15 = ? \times 17$   
 $\therefore ? = 92.13 \approx 90$

107. 1;  $\frac{458}{32} \times \frac{789}{19} \times \frac{232}{78} = 1767.8 \approx 1760$

108. 5;  $(34)^2 + (6)^2 - (23)^2$   
 $= 1156 + 36 - 529 = 663 \approx 650$

109. 3;  $\sqrt{7378} \times \sqrt{1330} \div \sqrt{660} \approx 86 \times 36 \div 26 = 119 \approx 120$

110. 5;  $\frac{61}{100} \times 980 - 150 + \frac{65}{100} \times 676 = ?$

or  $597.80 - 150 + 439.40 = ?$   
 $\therefore ? = 887.2 \approx 890$

111. 4; 
$$\frac{8}{+(3)^1} + \frac{11}{+(3)^2} + \frac{20}{+(3)^3} + \frac{47}{-(3)^4} + \frac{128}{-(3)^5} + \frac{371}{-(3)^6}$$

112. 3; 
$$\frac{71}{+(7 \times 1)} + \frac{78}{+(7 \times 3)} + \frac{99}{+(7 \times 5)} + \frac{134}{+(7 \times 7)} + \frac{183}{+(7 \times 9)} + \frac{246}{+(7 \times 11)}$$

113. 2; 
$$\frac{342}{-(4.5 \times 1)} + \frac{337.5}{-(4.5 \times 2)} + \frac{328.5}{-(4.5 \times 3)} + \frac{315}{-(4.5 \times 4)} + \frac{297}{-(4.5 \times 5)} + \frac{274.5}{-(4.5 \times 6)}$$

114. 3; 
$$\frac{161}{+3} + \frac{164}{+15} + \frac{179}{+63} + \frac{242}{+255} + \frac{497}{+1023} + \frac{1520}{+3087}$$
  
 $(3 \times 4) + 3 \quad (15 \times 4) + 3 \quad (63 \times 4) + 3 \quad (255 \times 4) + 3 \quad (3087 \times 4) + 3$

115. 5; 
$$\frac{239}{+15} + \frac{254}{+30} + \frac{284}{+60} + \frac{344}{+120} + \frac{464}{+240} + \frac{704}{+480}$$

116. 4; I.  $x^2 - 10x + 21 = 0$   
 or  $x^2 - 7x - 3x + 21 = 0$   
 or  $(x - 3)(x - 7) = 0$   
 $\therefore x = 3, 7$

II.  $y^2 - 16y + 63 = 0$   
 or  $y^2 - 7y - 9y + 63 = 0$   
 or  $(y - 9)(y - 7) = 0$   
 $\therefore y = 9, 7$   
 $\therefore x \leq y$

117. 4; I.  $x^2 - (16)^2 = (23)^2 - 56$   
 or  $x^2 - 256 = 529 - 56$   
 $\therefore x = \sqrt{729} = \pm 27$

II.  $y^{1/3} - 55 + 376 = (18)^2$   
 or  $y^{1/3} = 324 + 55 - 376$   
 $\therefore y = (3)^3 = 27$   
 $\therefore y \geq x$

118. 3; I.  $\frac{12}{\sqrt{x}} + \frac{8}{\sqrt{x}} = \sqrt{x}$   
 $20 = x$

II.  $y - \frac{(18)^{9/2}}{\sqrt{y}} = 0$

or  $y^{3/2} - (18)^{9/2} = 0$   
 or  $(y^3)^{1/2} = (18^9)^{1/2}$   
 or  $y^3 = (18^3)^3$   
 $\therefore y = 18^3$   
 $\therefore x < y$

119. 1; I.  $\sqrt{36x} + \sqrt{64} = 0$   
 or  $6x + 8 = 0$

or  $x = -\frac{4}{3}$

II.  $\sqrt{81y} + (4)^2 = 0$   
 or  $9y + 16 = 0$

or  $y = -\frac{16}{9}$

$\therefore x > y$

120. 3; I.  $\frac{25}{\sqrt{x}} + \frac{9}{\sqrt{x}} = 17\sqrt{x}$

or  $34 = 17x$   
 $\therefore x = 2$

II.  $\frac{\sqrt{y}}{3} + \frac{5\sqrt{y}}{6} = \frac{3}{\sqrt{y}}$

or  $\frac{6\sqrt{y} + 15\sqrt{y}}{18} = \frac{3}{\sqrt{y}}$

or  $\frac{21\sqrt{y}}{18} = \frac{3}{\sqrt{y}}$

$\therefore y = \frac{3 \times 18}{21} = \frac{18}{7}$

$\therefore x < y$

121. 2; Side of the square =  $\sqrt{1225} = 35$  cm  
 Radius of the circle = 35 cm

Area of the circle =  $\frac{22}{7} \times 35 \times 35 = 3850$  sq cm

122. 1; Sachin's score =  $442 - 76 - (76 - 12) - 102 = 200$

123. 1; Let the length of Train B be  $2x$  and that of Train A be  $x$ .

Speed of Train A =  $\frac{x}{20}$

Speed of Train B =  $\frac{2x}{60} = \frac{x}{30}$

Ratio =  $\frac{\text{Speed}_A}{\text{Speed}_B} = \frac{x \times 30}{20 \times x} = \frac{3}{2}$

124. 3; Cost of 1 kg of mangoes =  $\frac{456}{19} = ₹24$

Cost of 1 kg of apples =  $2 \times 48 = ₹96$

Cost of 1 kg of almonds =  $\frac{50 \times 96}{8} = ₹600$

Cost of 3 kg of almonds and 4 kg of apples =  $3 \times 600 + 4 \times 96 = ₹2184$

125. 4; Passing marks =  $225 + 15 = 240$

Maximum marks =  $240 \times \frac{100}{25} = 960$

126. 2; Sum of adjacent angles of a parallelogram =  $180^\circ$

Larger angle of the parallelogram =  $\frac{7}{12} \times 180^\circ = 105^\circ$

Smaller angle of the parallelogram =  $180^\circ - 105^\circ = 75^\circ$   
 Second-largest angle of the triangle =  $180^\circ - 105^\circ - (75^\circ - 40^\circ) = 40^\circ$

127. 2; Amount paid in 20 days =  $1.5 \times 20 \times 44 = ₹1320$

128. 5; Mean of Set A =  $\frac{378}{7} = 54$

Lowest number of Set B =  $(54 - 23) = 31$

Sum of the four numbers of Set B =  $31 + 32 + 33 + 34 = 130$

129. 3; Total number of girls =  $\frac{12}{100} \times 800 = 96$

Total number of boys =  $800 - 96 = 704$

$$\text{Each girl's monthly fee} = \frac{75}{100} \times 220 = ₹165$$

$$\begin{aligned} \text{Total monthly fee of girls and boys together} \\ &= 96 \times 165 + 704 \times 220 \\ &= 15840 + 154880 = ₹170720 \end{aligned}$$

130. 1; One girl can complete the work in  $7 \times 13 = 91$  days.  
One boy can complete the work in  $6 \times 12 = 72$  days.  
One man can complete the work in  $9 \times 9 = 81$  days.  
One woman can complete the work in  $6 \times 14 = 84$  days.  
Hence, boys are the most efficient.

131. 3; Runs scored by Team B in Match 4 = 300  
Runs scored by Team B in Match 3 = 250

$$\text{Percentage increase} = \frac{(300-250)}{250} \times 100 = 20\%$$

132. 3;  $\frac{\text{Runs scored by Team A in Match 2}}{\text{Runs scored by Team C in Match 6}} = \frac{200}{300} = \frac{2}{3}$

133. 1; Average runs scored by Team B in all the matches

$$\begin{aligned} &= \frac{200+300+250+300+250+200}{6} \\ &= \frac{1500}{6} = 250 \end{aligned}$$

134. 5; Total runs scored by all the teams in Match 3  
=  $100 + 250 + 200 = 550$   
Total runs scored by Team C in all the matches  
=  $100 + 250 + 200 + 350 + 100 + 300 = 1300$

$$\text{Percentage} = \frac{550}{1300} \times 100 = 42.3\%$$

135. 4; In Match 1, the total runs scored by all the teams together  
=  $150 + 200 + 100 = 450$   
In Match 2, the total runs scored by all the teams together  
=  $200 + 300 + 250 = 750$   
In Match 3, the total runs scored by all the teams together  
=  $100 + 250 + 200 = 550$   
In Match 4, the total runs scored by all the teams together  
=  $250 + 300 + 350 = 900$   
In Match 5, the total runs scored by all the teams together  
=  $300 + 250 + 100 = 650$   
In Match 6, the total runs scored by all the teams together  
=  $250 + 200 + 300 = 750$

136. 1; Percentage decrease =  $\frac{(6.4-5.3)}{6.4} \times 100 = 17.18$

137. 5; Girls in School B in 2009 = 590  
Boys and girls in School E in 2006 =  $550 + 360 = 910$

$$\text{Percentage} = \frac{590}{910} \times 100 = 64.83\% \text{ (approx)}$$

138. 3; Average number of girls in School A over the years

$$\begin{aligned} &= \frac{360+420+690+960+1290+1440}{6} \\ &= \frac{5160}{6} = 860 \end{aligned}$$

139. 3; Required ratio =  $\frac{\text{Boys in School C in 2009}}{\text{Girls in School A in 2009}} = \frac{870}{1290} = \frac{29}{43}$

140. 4;

Year	Total number of students
2005	1310
2006	910
2007	510
2008	1110
2009	1330
2010	2350

- (141-145):

$$\text{Total products} = 1200$$

$$\text{Number of Televisions} = \frac{15}{100} \times 1200 = 180$$

$$\text{Number of Refrigerators} = \frac{3}{10} \times 1200 = 360$$

$$\text{Number of Mobile phones} = 180 + 40 = 220$$

$$\text{Number of Ovens} = \frac{22}{100} \times 1200 = 264$$

$$\begin{aligned} \text{Number of Water Heaters} \\ &= 1200 - 180 - 360 - 220 - 264 = 176 \end{aligned}$$

141. 4;  $360 + 176 = 536$

142. 5;  $\frac{220}{180} \times 100 = 122.2$

143. 5;  $8200 \times 264 = ₹2164800$

144. 2;  $360 - 220 = 140$

145. 3;  $\frac{75}{100} \times 264 = 198$

146. 1; Male teachers in District F = 100

$$\begin{aligned} \text{Female teachers in District C} &= \left( \frac{28}{100} \times 4500 \right) - 600 \\ &= 1260 - 600 = 660 \end{aligned}$$

$$\begin{aligned} \text{Female teachers in District B} &= \left( \frac{16}{100} \times 4500 \right) - 400 \\ &= 720 - 400 = 320 \end{aligned}$$

$$\text{Total} = 100 + 660 + 320 = 1080$$

147. 5; Female teachers in District D

$$= \left( \frac{15}{100} \times 4500 \right) - 100 = 675 - 100 = 575$$

$$\text{Total number of teachers in District A}$$

$$= \frac{14}{100} \times 4500 = 630$$

$$\text{Percentage} = \frac{575}{630} \times 100 = 91.2\%$$

148. 3; In District B, (no. of females - no. of males)

$$= \left( 4500 \times \frac{16}{100} - 400 \right) - 400 = 320 - 400 = -80$$

$$\text{In District D, (no. of females - no. of males)}$$

$$= \left( 4500 \times \frac{15}{100} - 100 \right) - 100 = 575 - 100 = 475$$

In District E, (no. of females – no. of males)

$$= \left(4500 \times \frac{21}{100} - 500\right) - 500 = 445 - 500 = -55$$

In District F, (no. of females – no. of males)

$$= \left(4500 \times \frac{6}{100} - 100\right) - 100 = 170 - 100 = 70$$

149. 2; Female teachers in District F =  $\left(\frac{6}{100} \times 4500\right) - 100$   
 $= 270 - 100 = 170$

Total number of teachers in District E

$$= \frac{21}{100} \times 4500 = 945$$

Difference = 945 – 170 = 775

150. 3;  $\frac{\text{Male teachers in District C}}{\text{Female teachers in District B}} = \frac{600}{320} = \frac{15}{8}$

151. 3	152. 3	153. 4	154. 2	155. 2
156. 5	157. 1	158. 5	159. 1	160. 2
161. 3	162. 4	163. 5	164. 3	165. 3
166. 1	167. 1	168. 2	169. 4	170. 4
171. 5	172. 3	173. 2	174. 2	175. 2
176. 5	177. 1	178. 5	179. 3	180. 4

181. 5	182. 5	183. 4	184. 1	185. 5
186. 5	187. 3	188. 3	189. 5	190. 2
191. 1	192. 1	193. 5	194. 5	195. 2
196. 2	197. 4	198. 1	199. 1	200. 4
201. 4	202. 1	203. 3	204. 1	205. 5
206. 3	207. 4	208. 2	209. 4	210. 5
211. 5	212. 2	213. 2	214. 3	215. 1

(216-220): CAEBD

216. 1	217. 2	218. 1	219. 2	220. 4
221. 4;	It should be 'who'.			
222. 2;	Replace 'necessary' by 'necessarily'.			
223. 4;	Replace 'was' by 'were'.			
224. 1;	Replace 'begin' by 'began'.			
225. 2;	Replace 'to' by 'too'.			
226. 2;	Replace 'lowest' by 'lower'.			
227. 3;	Replace 'with' by 'among'.			
228. 4;	Replace 'since' by 'from'.			
229. 3;	Replace 'rate for' by 'the rate of'.			
230. 2;	Replace 'lying' by 'underlying'.			
231. 4;	Replace 'among' by 'along'.			
232. 2	233. 3	234. 5	235. 1	236. 4
237. 2	238. 1	239. 5	240. 5	241. 2
242. 2;	The correct spelling is 'reviewed'.			
243. 5				
244. 3;	Replace 'worse' by 'bad'.			
245. 1;	Replace 'underneath' by 'under'.			
246. 5	247. 4	248. 3	249. 1	250. 2

