

# Staff Selection Commission

## Southern Region

### Combined Graduate Level (Tier - I) Examination, 2014

Held on 26-10-2014

## Morning Session

Test Form No.

टेस्ट फॉर्म सं.

343 SL 5

Time Allowed : 2 Hours (For VH/Cerebral Palsy Candidates : 2 hrs. 40 min.)

निर्धारित समय : 2 घंटे (दृष्टिबाधित/सेरिब्रल पाल्सी उम्मीदवारों के लिए : 2 घंटे 40 मिनट)

Maximum Marks : 200

अधिकतम अंक : 200

Read the following instructions carefully before you begin to answer the questions. This Booklet contains questions in English as well as in Hindi.

प्रश्नों के उत्तर देने से पहले नीचे लिखे अनुदेशों को ध्यान से पढ़ लें। इस पुस्तिका में प्रश्न अंग्रेज़ी तथा हिन्दी दोनों में दिये गये हैं।

#### INSTRUCTIONS TO CANDIDATES

- This Booklet contains 200 questions in all comprising the following four parts :  
Part A : General Intelligence & Reasoning (50 Questions)  
Part B : General Awareness (50 Questions)  
Part C : Quantitative Aptitude (50 Questions)  
Part D : English Comprehension (50 Questions)
- In questions set bilingually in English and Hindi, in case of discrepancy, the English version will prevail.
- All questions are compulsory and carry equal marks.
- The paper carries negative marking. 0.25 marks will be deducted for each wrong answer.
- Before you start to answer the questions you must check up this Booklet and ensure that it contains all the pages (1-36) and see that no page is missing or repeated. If you find any defect in this Booklet, you must get it replaced immediately.
- You will be supplied the Answer-Sheet separately by the Invigilator. You must complete and code the details of Name, Roll Number, Ticket Number and Test Form Number on Side-I of the Answer-Sheet carefully. You must also put your signature and Left-Hand thumb impression on the Answer-Sheet at the prescribed place before you actually start answering the questions. These instructions must be fully complied with, failing which, your Answer-Sheet will not be evaluated and you will be awarded 'ZERO' mark. (VH/Cerebral Palsy candidates will have to ensure that these details are filled in by the scribe. However all VH/Cerebral Palsy candidates must put their Left-Hand thumb impression at the space provided in the Answer-Sheet. Those VH/Cerebral Palsy candidates who can sign should also put their signatures in addition to thumb impression.)
- Answers must be shown by completely blackening the corresponding ovals on Side-II of the Answer-Sheet against the relevant question number by Black/Blue Ball-point Pen only. Answers which are not shown by Black/Blue Ball-point Pen will not be awarded any mark.
- A machine will read the coded information in the OMR Answer-Sheet. In case the information is incomplete or different from the information given in the application form, such candidate will be awarded 'ZERO' mark.
- The Answer-Sheet must be handed over to the Invigilator before you leave the Examination Hall.
- Failure to comply with any of the above instructions will render a candidate liable to such action/penalty as may be deemed fit.
- The manner in which the different questions are to be answered has been explained at the back of this Booklet (Page No. 36), which you should read carefully before actually answering the questions.
- Answer the questions as quickly and as carefully as you can. Some questions may be difficult and others easy. Do not spend too much time on any question.
- In lieu of Question Nos. 39 to 50 and 144 to 150 relating to figural portions, alternate questions have been provided to be attempted by VH/Cerebral Palsy candidates only.
- No rough work is to be done on the Answer-Sheet. Space for rough work has been provided below the questions.
- "Mobile phones and wireless communication devices are completely banned in the examination halls/rooms. Candidates are advised not to keep mobile phones/any other wireless communication devices with them even switching it off, in their own interest. Failing to comply with this provision will be considered as using unfair means in the examination and action will be taken against them including cancellation of their candidature."

#### उम्मीदवारों के लिए अनुदेश

- इस पुस्तिका में कुल 200 प्रश्न हैं, जिनमें निम्नलिखित चार भाग शामिल हैं :  
भाग क : सामान्य बुद्धिमत्ता एवं तर्कशक्ति (50 प्रश्न)  
भाग ख : सामान्य जानकारी (50 प्रश्न)  
भाग ग : परिमाणान्तरक अभिलेखि (50 प्रश्न)  
भाग घ : अंग्रेज़ी परिचय (50 प्रश्न)
- अंग्रेज़ी और हिन्दी भाषा में देवार किए गए द्विभाषी प्रश्नों में कोई विसंगति होने की स्थिति में अंग्रेज़ी विवरण मान्य होगा।
- सभी प्रश्न अनिवार्य हैं तथा सबके बराबर अंक हैं।
- प्रश्न-पत्र में नकारात्मक अंकन होगा। हर ग़लत उत्तर के लिए 0.25 अंक काटा जाएगा।
- प्रश्नों के उत्तर देने से पहले आप इस पुस्तिका की जाँच करके देख लें कि इसमें पूरे पृष्ठ (1-36) हैं तथा कोई पृष्ठ कम या दुबारा तो नहीं आ गया है। यदि आप इस पुस्तिका में कोई त्रुटि पाएँ, तो तत्काल इसके बदले दूसरी पुस्तिका ले लें।
- निरीक्षक द्वारा आपको उत्तर-पत्रिका अलग से दी जाएगी। उत्तर-पत्रिका के Side-I में नियमावली के अनुसार ध्यानपूर्वक अपना नाम, रोल नम्बर, टिकट नम्बर और टेस्ट फॉर्म संख्या अवश्य लिखें। प्रश्नों के उत्तर वास्तव में शुरू करने से पहले उत्तर-पत्रिका पर निर्धारित स्थान में आप अपने हस्ताक्षर एवं बाएँ हाथ के अंगूठे का निशान भी अवश्य लगाएँ। उपर्युक्त अनुदेशों का पूरी तरह अनुपालन किया जाए, अन्यथा आपकी उत्तर-पत्रिका को जाँचा नहीं जाएगा और 'शून्य' अंक दिया जाएगा। (दृष्टिबाधित/सेरिब्रल पाल्सी वाले उम्मीदवार सुनिश्चित करें कि यह विवरण लिपिक द्वारा भरा जाए। परन्तु सभी दृष्टिबाधित/सेरिब्रल पाल्सी वाले उम्मीदवार उत्तर-पत्रिका में निर्धारित स्थान पर अपने बाएँ हाथ के अंगूठे का निशान अवश्य लगाएँ। जो दृष्टिबाधित/सेरिब्रल पाल्सी वाले उम्मीदवार हस्ताक्षर कर सकते हैं, वे अंगूठे के निशान के अलावा अपने हस्ताक्षर भी कर दें।)
- उत्तर-पत्रिका में सभी उत्तर Side-II में प्रश्न संख्या के सामने दिए गए सम्बन्धित अष्टाकार छानों को केवल काले/नीले बॉल-पॉइंट पेन से पूरी तरह काला करके दिखाएँ। जो अष्टाकार छाने काले/नीले बॉल-पॉइंट पेन से नहीं भरे जाएँगे, उनके लिए कोई अंक नहीं दिया जाएगा।
- ओ.एम.आर. उत्तर-पत्रिका में भरी गई कूट सूचना को एक मशीन पढ़ेगी। यदि सूचना अपूर्ण है अथवा आवेदन पत्र में दी गई सूचना से भिन्न है, तो ऐसे उम्मीदवार को 'शून्य' अंक दिया जाएगा।
- परीक्षा भवन छोड़ने से पहले उम्मीदवार को उत्तर-पत्रिका निरीक्षक के हवाले कर देनी चाहिए।
- ऊपर के अनुदेशों में से किसी एक का भी पालन न करने पर उम्मीदवार पर विवेकानुसार कार्यवाही की जा सकती है या दण्ड दिया जा सकता है।
- विभिन्न प्रश्नों के उत्तर देने की विधि इस पुस्तिका के पीछे (पृष्ठ संख्या 36) में छपे हुए निर्देशों में दे दी गई है; इसे आप प्रश्नों के उत्तर देने से पहले ध्यानपूर्वक पढ़ लें।
- प्रश्नों के उत्तर जितनी जल्दी हो सके तथा ध्यानपूर्वक दें। कुछ प्रश्न आसान तथा कुछ कठिन हैं। किसी एक प्रश्न पर बहुत अधिक समय न लगाएँ।
- आकृति से सम्बन्धित प्रश्न संख्या 39 से 50 तथा 144 से 150 के बदले में केवल दृष्टिबाधित/सेरिब्रल पाल्सी उम्मीदवारों द्वारा हल किए जाने के लिए वैकल्पिक प्रश्न दिए गए हैं।
- कोई रफ़ कार्य उत्तर-पत्रिका पर नहीं करना है। रफ़ कार्य के लिए स्वयं प्रश्नों के नीचे दिया गया है।
- "परीक्षा हॉलों/कमरों में मोबाइल फ़ोन तथा बेतार संचार साधन पूरी तरह निषिद्ध हैं। उम्मीदवारों को उनके अपने हित में सलाह दी जाती है कि मोबाइल फ़ोन/किसी अन्य बेतार संचार साधन को स्विच ऑफ़ करके भी अपने पास न रखें। इस प्रावधान का अनुपालन न करने को परीक्षा में अनुचित उपायों का प्रयोग माना जाएगा और उनके विरुद्ध कार्यवाही की जाएगी, उनकी अभ्यर्थाता रद्द कर देने सहित।"

**PART A : GENERAL INTELLIGENCE & REASONING**

**Directions :** In questions no. 1 to 6, select the related word/letters/number from the given alternatives.

1. 17 : 24 :: 153 : ?  
 (A) 216 (B) 118  
 (C) 198 (D) 213
2. 23 : 13 :: 54 : ?  
 (A) 41 (B) 44  
 (C) 39 (D) 40
3. Seismometer : Earthquakes ::  
 Thermometer : ?  
 (A) Temperature (B) Fever  
 (C) Doctor (D) Mercury
4. Play : Actor :: Concert : ?  
 (A) Symphony (B) Musician  
 (C) Piano (D) Percussion
5. DLIP : FNKR :: JROV : ?  
 (A) LTQX (B) NVSZ  
 (C) KSPW (D) MURY
6. YAWC : UESG :: QIOK : ?  
 (A) KOME (B) MINC  
 (C) MIKE (D) MMKO

**Directions :** In questions no. 7 to 11, select the one which is different from the other three alternatives.

7. (A) 96 (B) 16  
 (C) 80 (D) 36
8. (A) 83, 6 (B) 74, 7  
 (C) 97, 9 (D) 41, 4
9. (A) TRPS (B) CEFI  
 (C) GIJM (D) LNOR
10. (A) Penguin (B) Kiwi  
 (C) Eagle (D) Emu
11. (A) Avoid (B) Dodge  
 (C) Flee (D) Duck

12. Which one set of letters when sequentially placed at the gaps in the given letter series shall complete it?

R \_ S \_ PM \_ KSB \_ MRK \_

- (A) KBRPS (B) RKSPM  
 (C) BPSMP (D) KRKSP
13. In the following series, how many HIG occur in such a way that 'I' is in the middle and 'H' and 'G' are adjacent to it on both sides?  
 GGHIHIIGGGJKLMGIHIG  
 (A) 2 (B) 5  
 (C) 4 (D) 3

14. Which one of the given responses would be a meaningful order of the following colours?

1. Indigo 2. Red  
 3. Violet 4. Blue  
 5. Green 6. Yellow  
 7. Orange

- (A) 3, 1, 4, 5, 6, 2, 7 (B) 1, 5, 6, 7, 3, 4, 2  
 (C) 3, 1, 4, 5, 6, 7, 2 (D) 3, 1, 4, 5, 2, 6, 7

15. Arrange the following words as per order in the English dictionary:

1. Caricature 2. Cardinal  
 3. Carnivore 4. Cartoon  
 5. Category

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

**Directions :** In questions no. 16 to 18, a series is given, with one term missing. Choose the correct alternative from the given ones that will complete the series.

16. 2, 2, 4, 6, ?, 10, 8, 14, 10

- (A) 5 (B) 8  
 (C) 7 (D) 6

17. ELFA, GLHA, ILJA, ?, MLNA

- (A) KLLA (B) QLPA  
 (C) KLMA (D) ILMA

18.  $3, 8, 18, 35, \underline{\quad}, 98$   
 (A) 71 (B) 41  
 (C) 51 (D) 61

19. From the given alternative words, select the word which **cannot** be formed using the letters of the given word.

**THERMODYNAMICS**

- (A) MOTHER  
 (B) MODERN  
 (C) DYNAMO  
 (D) MATHEMATICS
20. Joan's age is 42 years and Kelvin's age is 26 years. How many years ago was Kelvin's age half of Joan's age?

- (A) 4 years (B) 10 years  
 (C) 8 years (D) 6 years

21. L, M, N and O are brothers. L is darker than O. N is the fairest of all. M is fairer than O. Who is the darkest of all?

- (A) O (B) L  
 (C) M (D) N

22. Anjali says, "He is the only son of the father of my sister's brother." How is that person related to Anjali?

- (A) Cousin (B) Brother  
 (C) Father (D) Uncle

23. From the given alternative words, select the word which can be formed using the letters of the given word.

**FUNDAMENTAL**

- (A) FUNDS  
 (B) DETRIMENTAL  
 (C) NOSE  
 (D) TAME

24. In a school, the bell is rung once after each half an hour. The school starts at 8:00 a.m. and closes at 1:30 p.m. The bell is rung 3 times continuously, at the time of beginning, at the time of lunch break at 10:00 and 10:30 a.m. and at the end. How many times is the bell rung every day?

- (A) 22 (B) 19  
 (C) 20 (D) 21

25. Some letters are given with numbers from 2 to 9. Select the sequence of numbers which arranges the letters into a meaningful word.

N A E X I M O T N A I  
 9 2 3 4 5 6 7 8 9 2 5

- (A) 3, 6, 2, 4, 2, 9, 5, 7, 5, 9, 8  
 (B) 3, 4, 2, 2, 6, 5, 9, 7, 8, 9, 5  
 (C) 3, 4, 2, 6, 5, 9, 2, 8, 5, 7, 9  
 (D) 3, 4, 6, 2, 9, 5, 8, 5, 2, 9, 7

26. In a certain code, 'RATIONAL' is written as 'RTANIOLA'. How would 'TRIBAL' be written in the same code?

- (A) TIRABL (B) TRIALB  
 (C) TIRALB (D) TIRLBA

27. If 'INDUS' is coded as '03865' and 'TENNIS' is coded as '243305', then what will be the code for 'STUDENT'?

- (A) 5268432 (B) 5268432  
 (C) 5642832 (D) 5628342

28. Given below are capital letters in the first line and symbols in the second line. Symbols and letters are codes for each other. Choose the correct code for the given letters.

A	C	E	G	H	I	O	N	P	R	T	S	B	D	M
+	-	÷	×	=	( )	[ ]	≠		#		>	<		

**HEIGHT**

- (A) = × (× = ||) (B) = ÷ (× = ||)  
 (C) = × (÷ = ||) (D) = ÷ (× = ||)

29. Select the correct combination of mathematical signs to replace \* signs and to balance the following equation :

$$(\sqrt{121} * 9) * 5 * 4 * 1$$

- (A)  $+ \div \times =$  (B)  $= + \times \div$   
 (C)  $- \times + =$  (D)  $- + \times =$

30. If '-' stands for 'division', '+' stands for 'multiplication', ' $\div$ ' stands for 'subtraction', ' $\times$ ' stands for 'addition', then which one of the following equations is correct ?

- (A)  $52 \div 4 + 5 \times 8 - 2 = 36$   
 (B)  $36 - 12 \times 6 \div 3 + 4 = 60$   
 (C)  $43 \times 7 \div 5 + 4 - 8 = 25$   
 (D)  $36 \times 4 - 12 + 5 \div 3 = 420$

31. Some equations are solved on the basis of a certain system. Find the correct answer for the unsolved equation on that basis.

$$5 \odot 3 = -7; 3 \odot 7 = -11; 7 \odot 11 = ?$$

- (A) 77 (B) -15  
 (C) 18 (D) -59

Directions : In questions no. 32 to 34, select the missing number from the given responses.

32.	8	4	7
	6	9	9
	48	36	? $\times$
	16	12	21

- (A) 16 (B) 42  
 (C) 63 (D) 24

33.	3	8	7
	9	6	3
	2	?	12

- (A) 3 (B) 7  
 (C) 6 (D) 4

34.	2	4	3	2
	9	7	6	5
	?	33	27	21

- (A) 35 (B) 69  
 (C) 80 (D) 77

35. Some statements are given followed by three conclusions I, II and III. You have to consider the statements to be true, even if they seem to be at variance from commonly known facts. You have to decide which of the given conclusions if any, follow from the given statements. Indicate your answer.

Statements :

All chickens are birds. Some chickens are hens. Female birds lay eggs.

Conclusions :

- I. All birds lay eggs.  $\times$   
 II. Some hens are birds.  $\checkmark$   
 III. Some chickens are not hens.  $\times$

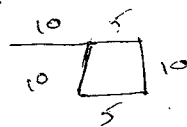
- (A) All conclusions I, II and III follow  
 (B) Only conclusion I follows  
 (C) Only conclusion II follows  
 (D) Conclusions II and III both follow

36. A man is facing South. He turns  $135^\circ$  in the anticlockwise direction and then  $180^\circ$  in the clockwise direction. Which direction is he facing now ?

- (A) South-West (B) North-East  
 (C) North-West (D) South-East

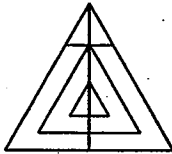
37. Raju cycled 10 km South from his house, turned right and went 5 km and again turned right and cycled 10 km and then turned left and cycled 10 km. How many kilometres will he have to cycle back to reach his house ?

- (A) 5 km (B) 20 km  
 (C) 15 km (D) 10 km



38. "If a person is rich, he has a lot of influence."  
What inference can you draw from the above statement?
- (A) Poor people cannot have influence.  
(B) Ram has a lot of influence, so he is rich.  
(C) Govind is not rich, so he does not have a lot of influence.  
(D) Kamala is rich, so she has a lot of influence.

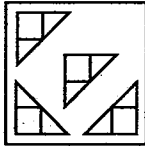
39. How many triangles are there in the given figure?



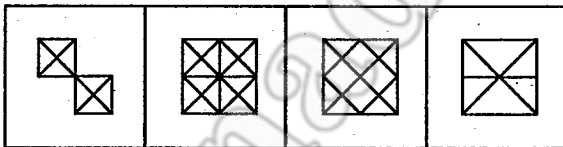
- (A) 12 or more (B) 9  
(C) 10 (D) 11

40. Among the four answer figures, which one can be formed from the cut out pieces given below in the question figure?

Question figure :



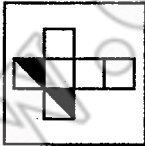
Answer figures :



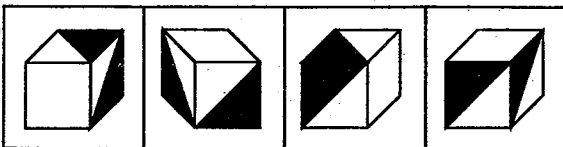
- (A) (B) (C) (D)

41. Choose the cube which will be formed on folding the given question figure.

Question figure :

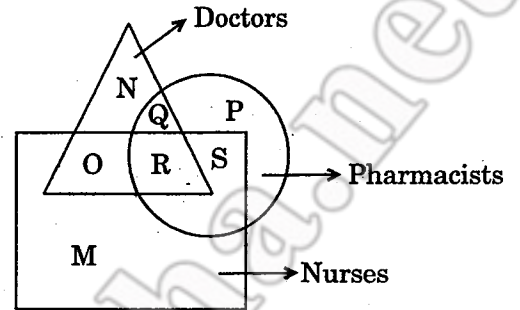


Answer figures :



- (A) (B) (C) (D)

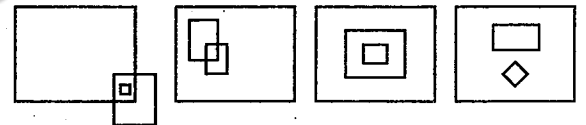
42. In the given figure, which letter represents those Nurses who are Doctors as well as Pharmacists?



- (A) S (B) P  
(C) Q (D) R

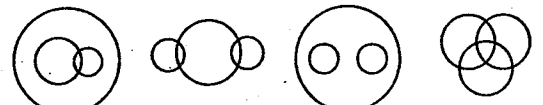
Directions : In questions no. 43 and 44, identify the diagram that best represents the relationship among the classes given below.

43. Duck, Penguin, Bird



- (A) (B) (C) (D)

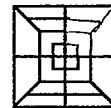
44. Profit, Dividend, Bonus



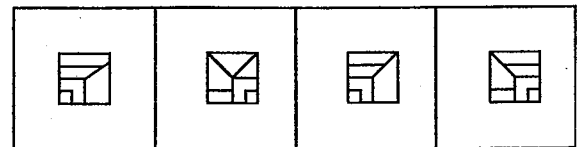
- (A) (B) (C) (D)

Directions : In questions no. 45 and 46, which answer figure will complete the pattern in the question figure?

45. Question figure :

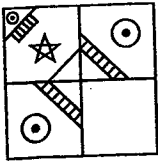


Answer figures :

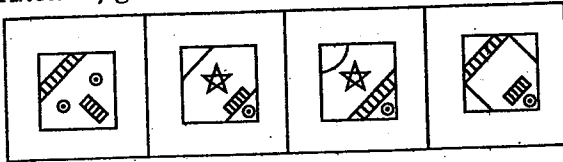


- (A) (B) (C) (D)

46. Question figure :



Answer figures :



3

(A)

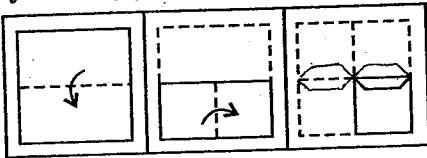
(B)

(C)

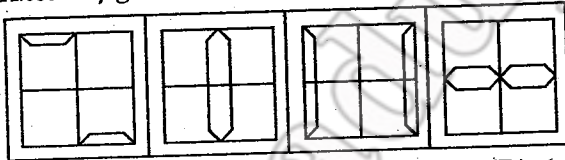
(D)

47. A piece of paper is folded and cut as shown below in the question figures. From the given answer figures, indicate how it will appear when opened.

Question figures :



Answer figures :



5

(A)

(B)

(C)

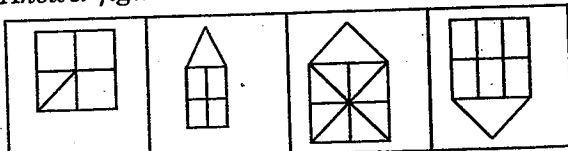
(D)

48. From the given answer figures, select the one in which the question figure is hidden/embedded.

Question figure :



Answer figures :



(A)

(B)

(C)

(D)

49. A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in the two matrices given below. The columns and rows of Matrix I are numbered from 0 to 4 and that of Matrix II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, e.g., 'A' can be represented by 03, 34, 86, etc., and 'N' can be represented by 12, 65, 79, etc. Similarly, you have to identify the number set for the word given below :

REST

Matrix I

	0	1	2	3	4
0	G	V	E	A	C
1	R	O	N	G	S
2	M	N	E	S	I
3	O	T	I	T	A
4	N	S	N	E	P

Matrix II

	5	6	7	8	9
5	R	E	O	N	G
6	N	P	V	E	S
7	M	T	I	O	N
8	E	A	I	C	O
9	N	T	A	R	S

(A) 98, 56, 31, 77

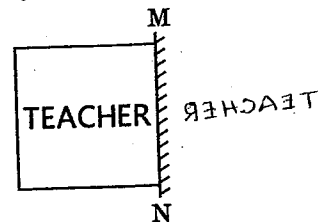
(B) 10, 02, 69, 88

(C) 55, 22, 99, 33

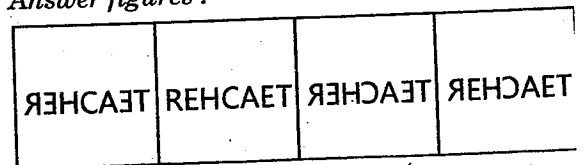
(D) 55, 43, 23, 69

50. If a mirror is placed on the line MN, then which of the answer figures is the right image of the given question figure ?

Question figure :



Answer figures :



(A)

(B)

(C)

(D)

**FOR VISUALLY HANDICAPPED / CEREBRAL PALSY CANDIDATES ONLY**

39. It was a Tuesday on 1<sup>st</sup> April. What day was it on 28<sup>th</sup> June of the same year ?  
 (A) Sunday (B) Wednesday  
 (C) Thursday (D) Saturday
40. Which is the 4<sup>th</sup> number to the right of the number which is exactly in the middle of the following ?  
 10 11 12 13 14 15 16 17 18 19 20  
 21 22 23 24 25 26 27 28 29 30  
 (A) 24 (B) 21  
 (C) 22 (D) 20
41. Anita and Geeta are experts in dancing and music. Seeta and Geeta are experts in music and painting. Anita and Neeta are experts in debate and dancing. Neeta and Seeta are experts in painting and debate. Which girl/s is/are *not* expert(s) in painting ?  
 (A) Neeta only (B) Anita only  
 (C) Seeta only (D) Anita and Geeta
42. A frog fell into a hole that was  $14\frac{1}{2}$  feet deep. It could jump 3 feet but it slides back 1 foot each time it jumps. In which jump does it get out of the hole ?  
 (A) 13<sup>th</sup> jump (B) 7<sup>th</sup> jump  
 (C) 9<sup>th</sup> jump (D) 14<sup>th</sup> jump
43. If every alternate letter, starting from B is deleted from the following alphabets, which of the following will be the tenth letter from the right end ?  
 ABCDEFGHIJKLMNOPQRSTUVWXYZ  
 (A) E (B) G  
 (C) D (D) H
44. Soumalya scored 70 marks in an examination. He got higher marks than 90% of the students. If 4 students got higher than him, then what is the total number of students in the class ?  
 (A) 60 (B) 45  
 (C) 50 (D) 55
45. 'Elated' is related to 'Despondent' in the same way as 'Enlightened' is related to  
 (A) Tolerant  
 (B) Aware  
 (C) Ignorant  
 (D) Miserable
46. Select the related word from the given alternatives.  
 CAGE : 3175 :: ? : 8945  
 (A) BEAK (B) BIRD  
 (C) TREE (D) HIDE
47. Find the *wrong* number in the given number series.  
 19, 26, 35, 44, 59, 74  
 (A) 26 (B) 74  
 (C) 44 (D) 35
48. Which answer word forms a necessary part of the given word ?  
 'Hurricane'  
 (A) Damage  
 (B) Beach  
 (C) Cyclone  
 (D) Wind
49. If a DOVE costs ₹ 92, what would a PIGEON cost ?  
 (A) ₹ 132 (B) ₹ 142  
 (C) ₹ 112 (D) ₹ 122
50. Five persons A, B, C, D and E are sitting in a row facing you such that D is on the left of C and B is on the right of E. A is on the right of C and B is on the left of D. If E occupies a corner position, who is at the centre ?  
 (A) D (B) A  
 (C) B (D) C

## PART B : GENERAL AWARENESS

51. Democratic Socialism aims at
- (A) bringing about Socialism through violent and peaceful means
  - (B) bringing about Socialism through violent means
  - (C) bringing about Socialism through democratic means
  - (D) bringing about Socialism through peaceful means
52. Two-Party System is found in
- (A) U.S.A.                      (B) India
  - (C) France                      (D) Russia
53. Chief Justice of the Supreme Court is appointed by the
- (A) Chairman of the Rajya Sabha
  - (B) Prime Minister
  - (C) President
  - (D) Speaker of the Lok Sabha
54. The number of subjects incorporated in the Union List is
- (A) 102                              (B) 82
  - (C) 89                                (D) 97
55. Who was the French Governor of Pondicherry who tried to make the French Company as a powerful company ?
- (A) Godeheu
  - (B) La Bourdonnais
  - (C) Joseph Francois Dupleix
  - (D) Thomas Arthur, Comte de Lally
56. The most powerful Peshwa was
- (A) Baji Rao
  - (B) Madhava Rao
  - (C) Balaji Vishwanath
  - (D) Balaji Baji Rao
57. If the supply curve is a straight line passing through the origin, then the price elasticity of supply will be
- (A) infinitely large
  - (B) greater than unity
  - (C) equal to unity
  - (D) less than unity
58. According to Modern Theory of Rent, rent accrues to
- (A) any factor                      (B) labour only
  - (C) land only                        (D) capital only
59. The book which is at the centrepiece of the study of Macro-Economics was written by
- (A) Prof. J.M. Keynes
  - (B) Prof. Benham
  - (C) Prof. Baumol
  - (D) Prof. Samuelson
60. The basic problem studied in Macro-Economics is
- (A) usage of income
  - (B) flow of income
  - (C) distribution of income
  - (D) production of income
61. A unit price elastic demand curve will touch
- (A) neither price axis, nor quantity axis
  - (B) only price axis
  - (C) only quantity axis
  - (D) both price and quantity axes
62. India follows the policy of non-alignment which implies
- (A) choosing its own policies
  - (B) neutrality towards power blocs
  - (C) bringing peace and amity to the world
  - (D) being a third world power



63. Which one of the following pairs is *not* correctly matched ?
- Podzol – Zonal soil
  - Chestnut – Zonal soil
  - Bhangar – Azonal soil
  - Khadar – Zonal soil
64. Select the correct direction of Sirocco storm.
- North from U.S.A.
  - West from Sahara
  - Adriatic Sea to Italy
  - Sahara to Mediterranean Sea
65. Which among the following is an abiotic factor ?
- Moisture
  - Insects
  - Rodents
  - Mites
66. Leaves of many grasses are capable of folding and unfolding because
- they have stomata on both sides of the leaf
  - they have high levels of silica
  - they have specialised bulliform cells
  - their mesophyll is not differentiated into palisade and spongy parenchyma
67. Pleura is the covering of
- Liver
  - Kidney
  - Heart
  - Lung
68. Which one of the following is an egg-laying mammal ?
- Duck-billed platypus
  - Kangaroo
  - Bandicoot
  - Sloth
69. What are the folds found in the mucous lining of the empty stomach ?
- Areolae
  - Rugae
  - Villi
  - Typhlosole
70. The First Mysore War fought between the British and Hyder Ali in 1767 – 69 A.D., came to an end by the
- Treaty of Madras
  - Treaty of Mysore
  - Treaty of Aix-la-Chapelle
  - Treaty of Pondicherry
71. The British Government intervened in the affairs of the Company and passed an Act in 1773 A.D., known as the
- Pitt's India Act
  - Charter Act
  - Company Act
  - Regulating Act
72. Sher Shah defeated Humayun and captured Gaur in the battle of
- Chausa in 1539 A.D.
  - Panipat in 1526 A.D.
  - Khanwa in 1527 A.D.
  - Ghaghra in 1529 A.D.
73. Identify the most infertile amongst the following soils.
- Alluvial soil
  - Laterite soil
  - Peaty soil
  - Black cotton soil
74. Spot the odd item of the following :
- Marble
  - Limestone
  - Sandstone
  - Shale
75. Which of the following reasons is responsible for lack of vegetation in the deserts ?
- Absence of B-horizon in the soil
  - High temperature
  - Lack of rainfall
  - Heavy volume of sands

76. Medicine of Quinine is provided by

- (A) Money plant
- (B) Eucalyptus plant
- (C) Aconite plant
- (D) Cinchona plant

77. The type of kidneys present in frog are

- (A) Metanephros (B) Archinephros
- (C) Pronephros (D) Mesonephros

78. A spinning neutron star is known as

- (A) Black hole (B) Pulsar
- (C) Quasar (D) White dwarf

79. Light year is a unit of

- (A) Current (B) Distance
- (C) Time (D) Light

80. The moderator used in a nuclear reactor is

- (A) Radium (B) Ordinary water
- (C) Graphite (D) Uranium

81. Solar eclipse occurs when

- (A) the Moon comes between the Sun and the Earth
- (B) the Sun comes between the Moon and the Earth
- (C) the Earth comes between the Moon and the Sun
- (D) the Moon does not lie on the line joining the Sun and the Earth

82. An aspect of Input/Output controller of data logic is called

- (A) Zero Buffering
- (B) Buffering
- (C) Data Buffering
- (D) General Buffering

83. What does BIOS stand for ?

- (A) Basic Intra Operating System
- (B) Basic Internal Organ System
- (C) Basic Input Output System
- (D) Basic Internal Output System

84. The device used to convert solar energy into electricity is

- (A) Daniell cell
- (B) Electrochemical cell
- (C) Galvanic cell
- (D) Photovoltaic cell

85. The apparatus used to test acidity of aqueous solutions is

- (A) Ammeter (B) Hygrometer
- (C) Acidmeter (D) pH meter

86. The Hutti Gold mines are located in the State of

- (A) Tamil Nadu (B) Andhra Pradesh
- (C) Maharashtra (D) Karnataka

87. The chemical name of "Plaster of Paris" commonly used for setting broken bones is

- (A) Calcium sulphate
- (B) Calcium carbonate
- (C) Calcium chloride
- (D) Calcium nitrate

88. In our country the 'Van Mahotsav' Day is observed on

- (A) 1<sup>st</sup> July
- (B) 2<sup>nd</sup> October
- (C) 1<sup>st</sup> December
- (D) 10<sup>th</sup> August

89. On which date did the Rajya Sabha pass "The Marriage Laws" (Amendment) Bill 2012 ?
- (A) 5<sup>th</sup> August, 2013  
(B) 26<sup>th</sup> August, 2013  
(C) 23<sup>rd</sup> August, 2013  
(D) 18<sup>th</sup> August, 2013
90. Which of the following was the first Indian exclusive defence satellite which was successfully launched on 29 August, 2013 ?
- (A) MIG-47 (B) GSET-4  
(C) GSAT-6 (D) GSAT-7
91. Who was elected as the Ninth President of International Olympic Committee (IOC) on 10<sup>th</sup> September, 2013 ?
- (A) Ching-Kuo-Wu (B) Sergei Bubka  
(C) Richard Carrion (D) Thomas Bach
92. The Indian Grandmaster who won the Commonwealth Chess Championship in 2013 is
- (A) Magnus Carlsen  
(B) Abhijeet Gupta  
(C) Vishwanathan Anand  
(D) Koneru Humpy
93. Who had been selected for the Tagore Award for Cultural Harmony in 2013 ?
- (A) Chetan Anand (B) Zubin Mehta  
(C) Anita Desai (D) Kiran Bedi
94. Who won the U.S. Open Men's Singles in 2013 in Lawn Tennis ?
- (A) Roger Federer (B) Rafael Nadal  
(C) Novak Djokovic (D) Andy Murray
95. Process through which plants reproduce
- (A) Condensation (B) Eating  
(C) Evaporation (D) Pollination
96. Which river serves the largest cultivable area ?
- (A) Saryu (B) Godavari  
(C) Krishna (D) Ganga
97. In August 2013, who won the International Children's Peace Prize ?
- (A) Angela Merkel  
(B) A.P.J. Abdul Kalam  
(C) Silvio Berlusconi  
(D) Malala Yousafzai
98. Who is the present President of Pakistan ?
- (A) Nawaz Sharif  
(B) Raza Rabbani  
(C) Mamnoon Hussain  
(D) Asif Ali Zardari
99. Who had been selected for the Rajiv Gand National Sadbhavana Award 2013 ?
- (A) Gautam Ghosh  
(B) Aashish Khan  
(C) Muzaffar Ali  
(D) Amjad Ali Khan
100. Who was the first recipient of 'Mahat Award' for Global Peace in August 2013 ?
- (A) John Boehner  
(B) Howard Stern  
(C) Nelson Mandela  
(D) Malala Yousafzai

### PART C : QUANTITATIVE APTITUDE

101. On increasing the diameter of a circle by 75%, the percentage increase in the perimeter is  
 (A) 80% (B) 65%  
 (C) 70% (D) 75%
102. If the perimeter of an equilateral triangle is 42 cm, its area, in sq. cm, will be  
 (A)  $49\sqrt{3}$  (B)  $7\sqrt{3}$   
 (C)  $14\sqrt{3}$  (D)  $24\sqrt{3}$
103. A square lawn has a path 4 m wide around it. If the area of the path is  $196 \text{ m}^2$ , then each side of the lawn is  
 (A) 9.25 m (B) 8.25 m  
 (C) 8 m (D) 7.25 m
104. A cloth merchant has announced 25% rebate on marked price. If one needs to have a rebate of ₹ 40, then how many shirts, each with a marked price of ₹ 32, should he purchase?  
 (A) 8 (B) 5  
 (C) 6 (D) 7
105. One dozen pairs of socks quoted at ₹ 160 are available at a discount of 10%. Find how many pairs of socks can be bought for ₹ 60.  
 (A) 8 pairs (B) 5 pairs  
 (C) 7 pairs (D) 6 pairs
106. A machine is marked at ₹ 7,500 for sale. The shopkeeper allows successive discounts of 8%, 5% and 2% on it. The net selling price (in ₹) is  
 (A) 6,415.40 (B) 6,400.30  
 (C) 6,423.90 (D) 6,427.50
107. The surface area of two spheres are in the ratio of 4:9. What is the ratio of their volumes?  
 (A) 16:81 (B) 2:3  
 (C) 4:9 (D) 8:27
108. Rajesh is in-charge of buying bread rolls and buns for a party. There are 10 buns in each box of buns and 8 bread rolls in each box of bread rolls. Rajesh wants to buy exactly the same number of buns and bread rolls. What is the smallest number of boxes he should buy for buns alone?  
 (A) 8 (B) 4  
 (C) 5 (D) 10
109. Simplify  $\sqrt{1 + \left(\frac{x^4 - 1}{-2x^2}\right)^2}$ .  
 (A)  $\frac{\sqrt{x^2 + 1}}{2x^2}$  (B)  $\frac{x^4 + 2x^2 - 1}{2x^2}$   
 (C)  $\frac{x^4 - 1}{2x^2}$  (D)  $\frac{x^4 + 1}{2x^2}$
110. If a job is to be completed in 10 days, it requires 270 persons. If 180 persons take up the same job, they will finish it in  
 (A) 12 days (B) 15 days  
 (C) 18 days (D) 27 days
111. A certain number of men can finish a piece of work in 100 days. However, if there were 10 men less, then it would take 10 days more for the work to be finished. How many men were there originally?  
 (A) 75 (B) 50  
 (C) 100 (D) 110
112. Subhash can copy 50 pages in 10 hours; Subhash and Prakash can copy 300 pages in 40 hours. In how much time can Prakash copy 30 pages?  
 (A) 9 hours (B) 13 hours  
 (C) 10 hours (D) 12 hours

113. A, B and C start together from the same point to travel around a circular island 30 km in circumference. A and B are travelling in the same direction and C is in the opposite direction. If A travels 5 km, B travels 7 km and C travels 8 km in an hour, then they all come together again after

- (A) 30 hours (B) 15 hours  
(C) 20 hours (D) 25 hours

114. At what rate will a sum of ₹ 1,000 amount to ₹ 1,102.50 in 2 years at compound interest?

- (A) 6.5% (B) 5%  
(C) 5.5% (D) 6%

115. If  $x + \frac{1}{x} = 1$ , ( $x \neq 0$ ), then the value of

$$\frac{x^2 + 3x + 1}{x^2 + 7x + 1} \text{ is}$$

- (A) 2 (B) 0  
(C)  $\frac{1}{2}$  (D) 1

116. If  $a + b + c = 0$ , find the value of

$$\frac{1}{a^3} + \frac{1}{b^3} + \frac{1}{c^3} + \frac{1}{(a+b)^3} + \frac{1}{(b+c)^3} + \frac{1}{(c+a)^3}$$

- (A) 3abc (B) 1  
(C) 0 (D) -1

117. If  $x + y = 4$  and  $\frac{1}{x} + \frac{1}{y} = 4$ , then the value

$$\text{of } x^3 + y^3 \text{ is}$$

- (A) 64 (B) 4  
(C) 25 (D) 52

118.  $(a^2 + 2a)^2 + 12(a^2 + 2a) - 45$  can be expressed

- as  $(a-1)(a+3)(a^2+2a+15)$   
(A)  $(a-1)(a+3)(a^2+2a+15)$   
(B)  $(a+1)(a+3)(a^2+2a+15)$   
(C)  $(a+1)(a-3)(a^2+2a+15)$   
(D)  $(a-1)(a-3)(a^2+2a+15)$

119. The ratio of the first and second class fares between two stations is 4 : 1 and that of the number of passengers travelling by the first and second class is 1 : 40. If ₹ 11,000 is collected as total fare, then the amount collected from the first class passengers is

- (A) ₹ 3,150 (B) ₹ 800  
(C) ₹ 1,000 (D) ₹ 1,375

120. The average age of three boys is 15 years. If their ages are in the ratio of 3 : 5 : 7, then the age of the youngest boy (in years) is

- (A) 21 (B) 9  
(C) 15 (D) 18

121. Of three numbers, the first is twice the second and the second is thrice the third. If the average of the three numbers is 10, then the largest number is

- (A) 18 (B) 30  
(C) 15 (D) 12

122. A man purchased a car for ₹ 1,35,000 and spent ₹ 25,000 on repairs. At what price was the car sold if he suffered 10% loss on it?

- (A) ₹ 1,44,000 (B) ₹ 1,21,500  
(C) ₹ 1,50,000 (D) ₹ 1,76,000

123. In the certain examination, 77% candidate passed in English and 34% failed in Mathematics. If 13% failed in both the subjects and 784 candidates passed in both the subjects, then the total number candidates was

- (A) 1800 (B) 1200  
(C) 1400 (D) 1600

124. A train 120 m long runs through a station the speed of 54 km/hr. The time taken by the train to pass a man standing on the platform is

- (A) 8 sec (B) 5 sec  
(C) 6 sec (D) 7 sec

$$x + y = 4$$

$$\frac{1}{x} + \frac{1}{y} = 4$$

$$xy = 1$$

$$x + \frac{1}{x} = 1$$

$$x^2 + 1 = x$$

$$x^2 - x + 1 = 0$$

$$x^2 + 3x + 1$$

$$x^2 - 3x + 1$$

$$x^2 - 3x$$

125. In two triangles ABC and PQR,  $\overline{BC} = \overline{QR}$ ,  $\overline{AB} = \overline{PQ}$  and extended  $m \angle ABD = 120^\circ$  and extended  $m \angle PQS = 120^\circ$ . Then by which condition are the two triangles congruent?

- (A) Angle - Side - Side  
 (B) Angle - Side - Angle  
 (C) Side - Side - Side  
 (D) Side - Angle - Side

126. If an equilateral triangle ABC is inscribed in a circle with centre at O, then  $\angle BOC$ ,  $\angle COA$  and  $\angle AOB$  are respectively

- (A)  $120^\circ, 120^\circ, 120^\circ$   
 (B)  $60^\circ, 60^\circ, 60^\circ$   
 (C)  $80^\circ, 120^\circ, 160^\circ$   
 (D)  $50^\circ, 60^\circ, 70^\circ$

127. If  $x = 3 + 2\sqrt{2}$ , then the values of  $x^3 + \frac{1}{x^3}$

and  $x^3 - \frac{1}{x^3}$  are respectively

- (A) 234, 216  
 (B) 216, 234  
 (C) 198,  $140\sqrt{2}$   
 (D)  $140\sqrt{2}$ , 198

128. Given that  $a + b + c = 2$  and  $ab + bc + ca = 1$ , then the value of  $(a + b)^2 + (b + c)^2 + (c + a)^2$  is

- (A) 16  
 (B) 6  
 (C) 8  
 (D) 10

129. If  $x^2 + 4x + 3 = 0$ , then the value of

$$\frac{x^3}{x^6 + 27x^3 + 27}$$

- (A)  $-\frac{1}{2}$   
 (B) 1  
 (C)  $\frac{1}{2}$   
 (D) -1

130. Find the area of the triangle formed by the graph  $F = \frac{9C}{5} + 32$  with the F-axis and C-axis.

- (A)  $\frac{2460}{9}$  sq. unit  
 (B)  $\frac{2860}{9}$  sq. unit  
 (C)  $\frac{2560}{9}$  sq. unit  
 (D)  $\frac{2760}{9}$  sq. unit

131. If in a triangle ABC, AB is smaller than AC, then  $AC - AB$  is

- (A)  $< \frac{1}{2} AC$   
 (B)  $< BC$   
 (C)  $> BC$   
 (D)  $= BC$

132. Radii of two circles are 6.3 cm and 3.6 cm. If they touch each other internally, then the distance between their centres is

- (A) 2.7 cm  
 (B) 3.7 cm  
 (C) 10.1 cm  
 (D) 9.1 cm

133. There is a circle of radius 5 cm and the perpendicular distance from the centre of the circle to the chord of the circle is 3 cm. Then the length of the chord is

- (A) 5 cm  
 (B) 8 cm  
 (C) 4 cm  
 (D) 6 cm

134. In a  $\Delta ABC$ ,  $\angle A - \angle B = 20^\circ$ ,  $\angle B - \angle C = 32^\circ$ . Then the  $\angle A$  is

- (A)  $90^\circ$   
 (B)  $75^\circ$   
 (C)  $80^\circ$   
 (D)  $84^\circ$

135. The bisector of  $\angle BAC$  of  $\Delta ABC$  cuts BC at D and the circumcircle of the triangle at E. If  $DE = 3$  cm,  $AC = 4$  cm and  $AD = 5$  cm, then the length of AB is

- (A) 10 cm  
 (B) 7 cm  
 (C) 8 cm  
 (D) 9 cm

$$(a+b+c)^2 = a^2 + b^2 + c^2 + 2ab + 2bc + 2ca$$

$$(a+b+c)^2 + 2ab + 2bc + 2ca = a^2 + b^2 + c^2 + 4ab + 4bc + 4ca$$

$$4 - 4 = \frac{a}{2}$$

$$a^2 + b^2 + 2ab + b^2 + c^2 + 2bc + c^2 + a^2 + 2ca$$

$$2a^2 + 2b^2 + 2c^2 + 2ab + 2bc + 2ca$$

$$2(a^2 + b^2 + c^2 + ab + bc + ca)$$

136. If  $\sin x + \sin^2 x = 1$ , then the value of  $\cos^2 x + \cos^4 x$  is

- (A) 2.5 (B) 1  
(C) 1.5 (D) 2

137.  $\frac{\sqrt{1+\sin\theta}}{\sqrt{1-\sin\theta}}$  is equal to

- (A)  $\sec\theta - \tan\theta$   
(B)  $\operatorname{cosec}\theta + \cot\theta$   
(C)  $\operatorname{cosec}\theta - \cot\theta$   
(D)  $\sec\theta + \tan\theta$

138. If  $\tan\theta = \frac{3}{4}$  and  $0 < \theta < \frac{\pi}{2}$  and  $25x \sin^2\theta \cos\theta = \tan^2\theta$ , then the value of x is

- (A)  $\frac{9}{64}$  (B)  $\frac{3}{64}$   
(C)  $\frac{5}{64}$  (D)  $\frac{7}{64}$

139. A kite flying at a height of 45 m from the level ground is attached to a string inclined at  $60^\circ$  to the horizontal. The length of the string is

- (A)  $30\sqrt{5}$  m (B)  $30\sqrt{3}$  m  
(C)  $30\sqrt{2}$  m (D)  $\frac{30}{\sqrt{2}}$  m

140. If  $a \sec\theta = x$  and  $b \tan\theta = y$ , then how are x and y connected with a and b?

- (A)  $b^2x^2 - a^2y^2 = a^2b^2$   
(B)  $a^2x^2 + b^2y^2 = a^2b^2$   
(C)  $b^2x^2 + a^2y^2 = a^2b^2$   
(D)  $a^2x^2 - b^2y^2 = a^2b^2$

141.  $\frac{\tan A + \tan B}{\cot A + \cot B}$  is equal to

- (A)  $\tan A \tan B$  (B)  $\sec A \operatorname{cosec} B$   
(C)  $\cot A \cot B$  (D) None of these

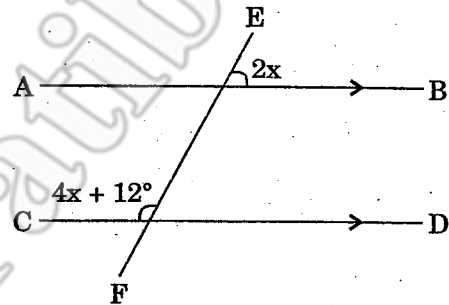
142. The angle subtended at the centre of a circle by an arc length equal in length to the radius of the circle is defined as

- (A) 90 degrees (B) one grade  
(C) one degree (D) one radian

143. The value of a sector in a pie-chart is equal to

- (A)  $\frac{\text{Angle of the sector}}{360^\circ} \times \text{Total value of the data}$   
(B)  $\frac{\text{Angle of the sector}}{180^\circ} \times \text{Total value of the data}$   
(C)  $\frac{\text{Angle of the sector}}{180^\circ} \times 100$   
(D)  $\frac{\text{Angle of the sector}}{360^\circ} \times 100$

144. In the figure,  $AB \parallel CD$  and EF intersects them. Then the value of x is

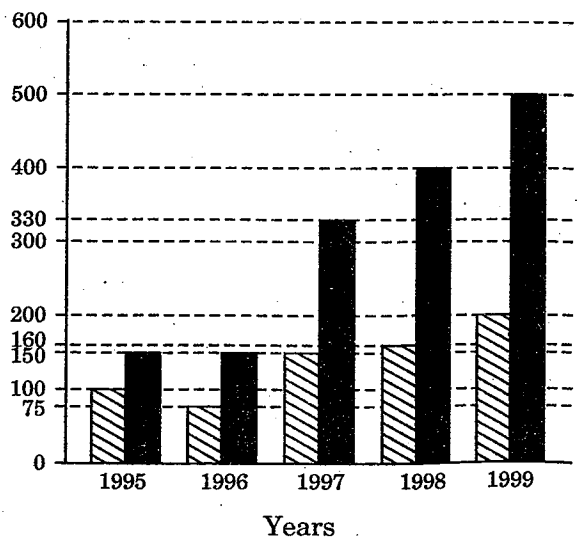


- (A)  $14^\circ$  (B)  $28^\circ$   
(C)  $24^\circ$  (D)  $18^\circ$

Directions: Study the following chart and answer the questions no. 145 to 150.

### Export of Aluminium Boxes

- Quantity in lakh boxes  
 Value in crores of rupees



$$\frac{\sin A \cos B + \sin B \cos A}{\cos A \cos B}$$

$$\frac{\sin A \sin B}{\cos A \sin B + \sin A \cos B}$$

sin

39  
15  
48  
190  
73  
22

145. What was the approximate percentage increase in export value from the years 1995 to 1999 ?

- (A) 333.3  
(B) 200  
(C) 375  
(D) None of these

146. What was the percentage drop in export quantity from the years 1995 to 1996 ?

- (A) 50  
(B) 25  
(C) 75  
(D) None of these

$\frac{175}{100} \times 100 = 175$   
 $\frac{100}{25} \times 100 = 400$   
 $\frac{100}{3} \times 100 = 333.3$   
3) 100 (123)

147. If in the year 1998, the boxes were exported at the same rate per box as that in 1997, what would be the value (in crores of ₹) of export in 1998 ?

- (A) 400 (B) 352  
(C) 375 (D) 330

148. What is the difference between boxes (in lakhs) exported in the years 1996 and 1997 ?

- (A) 100  
(B) 25  
(C) 50  
(D) None of the above

$\frac{225}{25} = 9$   
 $\frac{25}{5} = 5$   
 $\frac{25}{5} = 5$

149. In which year was the value per aluminium box the minimum ?

- (A) 1998 (B) 1999  
(C) 1995 (D) 1996

150. What is the difference in lakhs between the boxes exported in the years 1997 and 1998 ?

- (A) 1000000 (B) 10  
(C) 1000 (D) 100000

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144. If 35% of a number is 175, what percentage of 175 is the number ?

- (A) 285.71% (B) 65%  
(C) 135% (D) 210%

145. A man sold a radio-set at ₹ 990 at a profit of 10%. At what price should the set be sold so as to gain 20% ?

- (A) ₹ 1,080 (B) ₹ 1,100  
(C) ₹ 1,050 (D) ₹ 1,000

146. What should be added to 11216 to make it exactly divisible by 11 ?

- (A) 10 (B) 1  
(C) 4 (D) 9

147.  $\frac{\sqrt{24} + \sqrt{216}}{\sqrt{96}} = ?$

- (A)  $\frac{2}{\sqrt{6}}$  (B) 2  
(C)  $2\sqrt{6}$  (D)  $6\sqrt{2}$

148. The value of

$$\frac{160}{2 \times 7} + \frac{160}{7 \times 12} + \frac{160}{12 \times 17} + \frac{160}{17 \times 22} + \frac{160}{22 \times 27} + \frac{160}{27 \times 32}$$

is

- (A) 11 (B) 17  
(C) 15 (D) 13

149. If  $\frac{100\sqrt{25}}{\sqrt{25+x}} = 50$ , then the value of x is

- (A)  $\frac{1}{25}$  (B) 25  
(C)  $\frac{1}{\sqrt{25}}$  (D)  $\sqrt{25}$

$x = 25$   
 $\frac{100 \times 5}{5 + 25} = 50$   
 $500 = 250 + 50x$   
 $250 = 50x$   
 $x = 5$

150. The average age of two brothers is nine years. It is increased by nine years when their mother is included. Find the age of the mother.

- (A) 32 years (B) 36 years  
(C) 30 years (D) 40 years

$\frac{30}{2} = 15$   
 $\frac{15}{1.5} = 10$   
 $\frac{10}{2} = 5$



## PART D : ENGLISH COMPREHENSION

**Directions :** In questions no. 151 to 155, some parts of the sentences have errors and some are correct. Find out which part of a sentence has an error and blacken the oval (●) corresponding to the appropriate letter (A, B, C). If a sentence is free from error, blacken the oval corresponding to (D) in the Answer Sheet.

151. It's time / we take / a holiday to our native place. / No error.

- (A) (B) (C) (D)

152. The drawings are very good, / almost every one / of them deserves a gold medal. / No error.

- (A) (B) (C) (D)

153. But for your illness, / you would have secured / first rank in the examination. / No error.

- (A) (B) (C) (D)

154. A test like this one / is far too difficult / for weak pupils. / No error.

- (A) (B) (C) (D)

155. Being a blind man, / day or night made / a little difference to him. / No error.

- (A) (B) (C) (D)

**Directions :** In questions no. 156 to 160, sentences are given with blanks to be filled in with an appropriate word(s). Four alternatives are suggested for each question. Choose the correct alternative out of the four and indicate it by blackening the appropriate oval (●) in the Answer Sheet.

156. The shirt is not expensive, I bought it \_\_\_\_\_.

- (A) cheap (B) cheaply  
(C) low (D) clearly

157. He led her with the utmost courtesy \_\_\_\_\_ the assembled guests.

- (A) into (B) through  
(C) among (D) by

158. Hypocrites try to \_\_\_\_\_ appearances.

- (A) keep over (B) keep up  
(C) keep away (D) keep upon

159. Reaction to Jane Austen's novels has oscillated between \_\_\_\_\_ and condescension.

- (A) disapproval (B) dismissal  
(C) adoration (D) indifference

160. \_\_\_\_\_ refused to acclaim the conference as successful.

- (A) Defectors (B) Detractors  
(C) Protectors (D) Reprobates

**Directions :** In questions no. 161 to 163, out of the four alternatives, choose the one which best expresses the meaning of the given word and mark it in the Answer Sheet.

161. Emancipation

- (A) Sovereignty (B) Freedom  
(C) Servitude (D) Autonomy

162. Anticipate

- (A) Doubt (B) Contemplate  
(C) Assert (D) Presuppose

163. Vacillate

- (A) Relegate (B) Sustain  
(C) Chastise (D) Waver

**Directions :** In questions no. 164 to 166, choose the word opposite in meaning to the given word and mark it in the Answer Sheet.

164. Disjointed

- (A) Connected (B) Solid  
(C) Smooth (D) United

165. Grandiose

- (A) Affected (B) Unpretentious  
(C) Awkward (D) Rhetorical

166. Cogent

- (A) Weighty (B) Dissuasive  
(C) Persuasive (D) Logical

**Directions :** In questions no. 167 to 171, four alternatives are given for the Idiom/Phrase underlined in the sentence. Choose the alternative which best expresses the meaning of the Idiom/Phrase and mark it in the Answer Sheet.

167. The situation in Haiti was getting hotter by the minute.  
(A) increasing in temperature  
(B) improving rapidly  
P (C) deteriorating rapidly  
(D) growing in importance
168. After her failure, she started refusing to be led by the nose.  
(A) follow submissively  
(B) follow what others suggest  
(C) be afraid of the consequences  
(D) be led by physical desires
169. Many would-be leaders have feet of clay.  
(A) nimble feet  
(B) are flawed personalities  
(C) run the business of clay modelling  
(D) elephantiasis
170. This incident calls for immediate intervention, but the authority seems to be dragging its feet.  
(A) issuing a show-cause notice  
(B) deliberating stern action  
(C) contemplating a trial  
(D) tardy or reluctant to act
171. The players stormed out of the stadium after a hot-headed game.  
(A) crept out through a different exit  
B (B) went out meekly  
(C) went out showing their anger  
(D) went out breaking things on their way

**Directions :** In questions no. 172 to 181, a sentence/a part of the sentence is underlined. Below are given alternatives to the underlined part at (A), (B), (C) which may improve the sentence. Choose the correct alternative. In case no improvement is needed, your answer is (D). Mark your answer in the Answer Sheet.

172. Impurities in drinking water may be removed by placing small filtration devices at the sink and faucets.  
(A) sifting machine  
(B) sifting method  
(C) sifting apparatus  
(D) No improvement
173. All the time there are a large variety of sounds to be heard in the forge.  
(A) there is much sound  
(B) there was many sound  
C (C) there are many sounds  
(D) No improvement
174. Kunal laughed at Rakhi, after which she walked out.  
(A) whereupon (B) whereas  
B (C) wherever (D) No improvement
175. Mr. Choudhury bought a machine with a moving arm for picking up objects.  
(A) movable (B) hinged  
D (C) running (D) No improvement
176. For me, money is only the means to an end.  
(A) only the mean (B) only a means  
D (C) only means (D) No improvement
177. The bullet struck a wall and was diverted from its course.  
(A) reflected (B) deflected  
(C) twisted (D) No improvement
178. The cookbook is taylor-made for amateur vegan cooks.  
(A) professionally made  
(B) customised  
(C) mass-produced  
(D) No improvement
179. Hairfall is one of the worst manifestations of damage.  
(A) signs (B) foundations  
A (C) indications (D) No improvement

180. Ram Kumar is a heavily built man.  
 (A) sturdily (B) stockily  
 (C) strongly (D) No improvement

181. Through the ages, the people of many cultures have used talismans and charms to ward off evil and invoke special powers.  
 (A) amulets (B) earrings  
 (C) stones (D) No improvement

**Directions :** In questions no. 182 to 188, out of the four alternatives, choose the one which can be substituted for the given words/sentences and indicate it by blackening the appropriate oval (●) in the Answer Sheet.

182. Something that is beyond the power of nature  
 (A) Preternatural (B) Unnatural  
 (C) Supernatural (D) Magical

183. Description of a disagreeable thing by an agreeable name  
 (A) Epigram (B) Euphemism  
 (C) Eulogy (D) Epithet

184. Walk in a proud and confident way  
 (A) Sprint (B) Canter  
 (C) Lope (D) Swagger

185. The part of a stage in front of the curtain  
 (A) Amphitheatre (B) Arena  
 (C) Podium (D) Proscenium

186. One who does something not professionally but for pleasure  
 (A) Libertine (B) Novice  
 (C) Entrepreneur (D) Amateur

187. Wild and noisy disorder  
 (A) Stir (B) Agitation  
 (C) Revolution (D) Pandemonium

188. A person who is solely motivated by money or personal gain  
 (A) Merchant (B) Money-lender  
 (C) Charlatan (D) Mercenary

**Directions :** In questions no. 189 and 190, four words are given in each question, out of which only one word is correctly spelt. Find the correctly spelt word and mark your answer in the Answer Sheet.

189. (A) Architectere (B) Architectur  
 (C) Architecture (D) Arcitecture  
 190. (A) Eppilogue (B) Epiloge  
 (C) Epilouge (D) Epilogue

**Directions :** In questions no. 191 to 200, you have two brief passages with 5 questions following each passage. Read the passages carefully and choose the best answer to each question out of the four alternatives and mark it by blackening the appropriate oval (●) in the Answer Sheet.

#### Passage I (Q. No. 191 to 195)

The megalomaniac differs from the narcissist by the fact that he wishes to be powerful rather than charming, and seeks to be feared rather than loved. To this type belong many lunatics and most of the great men in history. Love of power, like vanity, is a strong element in normal human nature, and as such is to be accepted; it becomes deplorable only when it is excessive or associated with an insufficient sense of reality. Where this occurs, it makes a man unhappy or foolish, if not both. The lunatic who thinks he is crowned head may be, in a sense, happy, but his happiness is not of a kind that any sane person would envy. Alexander the Great was psychologically of the same type as the lunatic, though he possessed the talent to achieve the lunatic's dream. He could not, however, achieve his own dream, which enlarged his scope as his achievement grew. When it became clear that he was the greatest conqueror known to fame, he decided that he was a God. Was he a happy man? His drunkenness, his furious rages, his indifference to women, and his claim to divinity, suggest that he was not. There is no ultimate satisfaction in the cultivation of one element of human nature at the expense of all the others, nor in viewing all the world as raw material for the magnificence of one's own ego.

191. What is the difference between an ordinary megalomaniac and a megalomaniac like Alexander the Great?

- (A) The ordinary megalomaniac does not have the talent to realise his wish which Alexander the Great had.
- (B) The ordinary megalomaniac is a lunatic while Alexander the Great was not a lunatic.
- (C) The ordinary megalomaniac is not great while Alexander the Great was great.
- (D) The ordinary megalomaniac does not have excessive desire for power which Alexander the Great had.

192. Which among the following is the reason for unhappiness?

- (A) Realising one's dream as a megalomaniac
- (B) The nurturing of only one element in human nature
- (C) Being indifferent towards women
- (D) Dealing with the raw material of the world

193. In "Where this occurs it makes a man ... if not both," 'this' refers to

- (A) lunacy
- (B) love of power
- (C) excessive love of power
- (D) vanity

194. How does a megalomaniac differ from a narcissist?

- (A) By wishing to be loved and not feared
- (B) By wishing to be powerful and not feared
- (C) By wishing to be powerful and feared
- (D) By wishing to be charming and feared

195. Why has love of power to be accepted?

- (A) Because it is an excess in human nature
- (B) Because it is a part of human nature
- (C) Because it is vanity in human nature
- (D) Because it can become unreal

**Passage II (Q. No. 196 to 200)**

Modern email operates across the Internet or other computer networks. Some early email systems required that the author and the recipient both be online at the same time, in common with instant messaging. Today's email systems are based

on a store-and-forward model. Email servers accept, forward, deliver, and store messages. Neither the users nor their computers are required to be online simultaneously; they need connect only briefly, typically to a mail server, for as long as it takes to send or receive messages. Historically, the term electronic mail was used generically for any electronic document transmission. For example, several writers in the early 1970s used the term to describe fax document transmission. As a result, it is difficult to find the first citation for the use of the term with the more specific meaning it has today. An Internet email message consists of three components, the message envelope, the message header, and the message body. The message header contains control information, including, minimally, an originator's email address and one or more recipient addresses. Usually descriptive information is also added, such as a subject header field and a message submission date/time stamp.

196. Control information of the message header includes

- (A) a header field
- (B) a message envelope
- (C) a sender's address
- (D) a date/time stamp

197. What does 'e' stand for in email?

- (A) external
- (B) ethernet
- (C) electrical
- (D) electronic

198. Instant messaging is based on

- (A) digital transmission of documents
- (B) online nature of both recipients
- (C) store-and-forward model
- (D) brief connection with the server

199. Emails are accepted, forwarded and delivered by

- (A) mail networks
- (B) computer networks
- (C) the Internet
- (D) mail servers

200. One of the three components of email is

- (A) the message field
- (B) the message heading
- (C) the message letter
- (D) the message body

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**BOOKLET SERIES: 454TH6 KEY**

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

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**BOOKLET SERIES: 565QM7 KEY**

1.C 2.A 3.B 4.C 5.C 6.B 7.D 8.B 9.C 10.B  
11.A 12.B 13.D 14.D 15.C 16.C 17.D 18.B 19.C 20.B  
21.C 22.A 23.B 24.C 25.B 26.C 27.A 28.D 29.A 30.A

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

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**BOOKLET SERIES: 676RL8 KEY**

1.D 2.A 3.B 4.B 5.A 6.B 7.B 8.A 9.D 10.C  
11.A 12.C 13.C 14.B 15.A 16.A 17.B 18.C 19.B 20.D  
21.A 22.B 23.A 24.A 25.B 26.D 27.C 28.B 29.C 30.D  
31.D 32.C 33.A 34.B 35.C 36.C 37.D 38.A 39.D 40.A  
41.D 42.C 43.A 44.A 45.C 46.B 47.C 48.B 49.A 50.B  
51.B 52.C 53.D 54.A 55.B 56.D 57.A 58.B 59.D 60.C  
61.A 62.A 63.C 64.C 65.A 66.A 67.A 68.C 69.A 70.D  
71.C 72.B 73.D 74.A 75.D 76.A 77.D 78.D 79.C 80.D  
81.B 82.C 83.C 84.B 85.D 86.A 87.D 88.C 89.C 90.D  
91.B 92.C 93.D 94.C 95.A 96.D 97.C 98.C 99.B 100.A  
101.A 102.A 103.D 104.C 105.B 106.A 107.C 108.C 109.B 110.D  
111.D 112.C 113.D 114.B 115.D 116.D 117.C 118.C 119.A 120.C  
121.D 122.D 123.C 124.C 125.B 126.C 127.C 128.D 129.D 130.A  
131.D 132.C 133.B 134.B 135.C 136.A 137.D 138.C 139.A 140.D



141.C 142.A 143.A 144.C 145.C 146.B 147.D 148.A 149.C 150.D  
151.A 152.B 153.D 154.C 155.C 156.C 157.B 158.B 159.C 160.D  
161.B 162.D 163.A 164.C 165.D 166.A 167.B 168.A 169.D 170.D  
171.A 172.D 173.C 174.B 175.B 176.B 177.D 178.A 179.B 180.C  
181.D 182.D 183.D 184.D 185.C 186.D 187.C 188.C 189.B 190.B  
191.C 192.B 193.D 194.A 195.D 196.A 197.B 198.B 199.D 200.C

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**BOOKLET SERIES: 787PK9 KEY**

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

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**BOOKLET SERIES: 898NH0 KEY**

1.C 2.B 3.C 4.B 5.A 6.B 7.B 8.A 9.B 10.B  
11.B 12.D 13.A 14.B 15.B 16.A 17.B 18.A 19.C 20.C

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