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APSSB MTS

Previous Year Paper
23 Feb, 2025





Question Booklet Sl. No.

Series

A

CODE : BEM – 1/25

Write here Roll Number and Answer Sheet No.

A

Roll No.

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Answer Sheet No.

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Duration : 2 Hours

Total Marks : 200

Declaration by Invigilator :

I Certify that I have checked that the Roll Number and the Answer Sheet Number written by the Candidate on the question paper and the OMR Sheet are correct and the Answer Sheet Number matches the Question Booklet Number exactly.

Declaration by Candidate :

I undertake not to employ any unfair means in this exam. I have checked the Question Booklet Number and the Answer Sheet Number and both are identical and have been correctly entered by me wherever indicated.

Signature of the Invigilator with Name

Signature of the Candidate with Name

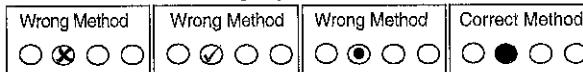
Read the following instructions carefully before you begin to answer the questions.

IMPORTANT INSTRUCTIONS TO CANDIDATES

1. The Roll No. is a 7 digit No., the candidate needs to circle the Roll No. in the Answer Sheet.
2. The appropriate Circle should be shaded for Roll No. This should be done carefully because only the shaded circles are scanned.
3. Valuation of Answer Sheet will be done on the computer. Candidate should not make any stray marks on the Answer Sheet, tamper with or mutilate it. Otherwise it will not be evaluated.
4. Please check all the pages of the Booklet carefully. In case of any defect, please ask the Invigilator for replacement of the Booklet.
5. You must not tear off or remove any sheet from this Booklet. The Answer Sheet must be handed over to the Invigilator before you leave the Examination Hall.
6. All questions are compulsory and each Question carries 2 marks.
7. **There is no negative marking for incorrect answers.**
8. This Booklet contains 100 questions. Candidates must note that there will be 4 Sections in the question paper :

Sections	Test Components	No. of Questions	Page No.
A	General Awareness	1-25	5 – 8
B	General Intelligence and Reasoning Ability	26-50	9 – 13
C	Arithmetical and Numerical Ability	51-75	14 – 17
D	Test of English Language and Comprehension	76-100	18 – 23

9. Use of Calculator/Palmtop/Laptop/Other Digital Instrument/Mobile/Cell Phone/Pager is **not allowed**.
10. Candidates found guilty of misconduct/using unfair means in the Examination Hall will be liable for appropriate penal/legal action.
11. **No Rough Work is to be done on the Answer Sheet and only single OMR Answer Sheet will be provided.**
12. This booklet contains 24 pages.
13. **Directions :** Each question or incomplete statement is followed by four alternative suggested answers or completions. In each case, you are required to select the one that correctly answers the question or completes the statement and blacken (●) appropriate circle a, b, c or d by Black Ball-Point Pen provided by the Board against the question concerned in the Answer Sheet.
14. Mark your answer by shading the appropriate circle against each question. The circle should be shaded completely without leaving any space. The correct method of shading is given below.



The Candidate must mark his/her response after careful consideration, as it is not possible to change the response once it is marked.

15. There is only one correct answer to each question. You should blacken (●) the circle of the appropriate column, viz., a, b, c or d. If you blacken (●) more than one circle against any one question, the answer will be treated as wrong.
16. Use the space for rough work given at the beginning of the Question Booklet only and not on the Answer Sheet.
17. **You are NOT required to mark your answers in this Booklet. All answers must be indicated in the Answer Sheet only.**





BEM – 1/25



A

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BEM - 1/25

SPACE FOR ROUGH WORK



A

-3-

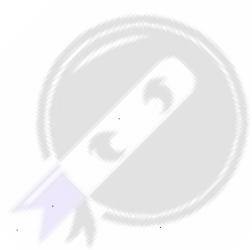


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BEM – 1/25

SPACE FOR ROUGH WORK



A

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SECTION – A

(General Awareness)

1. Arunachal Pradesh shares its border with which of the following Indian states ?

(a) West Bengal (b) Meghalaya
(c) Tripura (d) Assam

2. Pancha Siddhantika was written by

(a) Varaha Mihira (b) Aryabhata
(c) Tulsidas (d) Swami Vivekananda

3. The Kameng Culture and Heritage Museum has been established at which location in Arunachal Pradesh ?

(a) Limeking (b) Shergaon
(c) Nyukmadung (d) Dirang

4. “Mission Arun Himveer” is a collaboration between which two organizations ?

(a) Arunachal Pradesh Tourism Development Corporation and Assam Rifles
(b) Arunachal Pradesh Agriculture Marketing Board (APAMB) and Border Security Force (BSF)
(c) Arunachal Pradesh Agriculture Marketing Board (APAMB) and Indo-Tibetan Border Police (ITBP)
(d) Arunachal Pradesh Agriculture Marketing Board (APAMB) and Army

5. In which field was Jumde Yomgam Gamlin from Arunachal Pradesh recognized with the Padma Shri in 2025 ?

(a) Literature and Education
(b) Social Work
(c) Sports
(d) Art



6. In India, 'National Voters Day' is celebrated every year on
(a) November 22nd (b) January 25th
(c) March 25th (d) September 22nd

7. What is the minimum qualification to contest election of Lok Sabha ?
(a) A person must be a citizen of India and not less than 30 years of age
(b) A person must be a citizen of India and not less than 25 years of age
(c) A person must be a citizen of India and not less than 21 years of age
(d) A person must be a citizen of India and not less than 18 years of age

8. Headquarters of International Monetary Fund (IMF) is situated in
(a) New Delhi (b) London
(c) Geneva (d) Washington, D. C.

9. In economics, what is the definition of Gross Domestic Product (GDP) ?
(a) It is the value of all final goods and services produced within a country during a particular year.
(b) It is the total income earned by a country's residents, whether inside or outside the country.
(c) GDP is the sum of all income taxes paid by individuals and corporations within a country's borders.
(d) None of the above

10. Solder is an alloy of
(a) Copper and Gold (b) Lead and Aluminium
(c) Lead and Zinc (d) Lead and Tin

11. For what contribution David Baker awarded the Nobel Prize in Chemistry 2024 ?
(a) Development of the periodic table
(b) Computational protein design
(c) Discovery of penicillin
(d) Invention of the microscope



12. Which cricket team won the Ranji Trophy season 2023-24 ?
(a) Mumbai (b) Saurashtra
(c) Vidharbha (d) None of the above

13. The Tropic of Cancer passes through the middle of India from the
(a) Gulf of Khambhat in the west to Sikkim in the east
(b) Rann of Kuchchh in the west to Mizoram in the east
(c) Mumbai in the west to Mizoram in the east
(d) None of the above

14. The 29th session of the Conference of the Parties (COP29) to the UN Framework Convention on Climate Change (UNFCCC) was held at
(a) Dubai, UAE (b) Baku, Azerbaijan
(c) New Delhi, India (d) Berlin, Germany

15. Which of the following statements about the barter system in economics is true ?
(a) It is a trade in which goods are exchanged with the use of Crypto currencies.
(b) It is a trade in which goods are exchanged with the use of money.
(c) It is a trade in which goods are exchanged without the use of money.
(d) This system can only be used in a modern economy.

16. Who is often considered as the father of the Indian Nuclear Program ?
(a) Homi J. Bhabha (b) Vikram Sarabhai
(c) C. N. R. Rao (d) A. P. J. Abdul Kalam

17. Which gas is present predominantly in biogas ?
(a) Oxygen (b) Nitrogen dioxide
(c) Methane (d) Carbon monoxide

18. Which of the following Award is the lifetime achievement sporting honour of India ?
(a) The Dhyan Chand Award
(b) The Rashtriya Khel Protsahan Puruskar
(c) The Tenzing Norgay National Adventure Award
(d) None of the above



19. The climate of India is strongly influenced by
 - (a) Ocean currents
 - (b) Trade winds
 - (c) The westerlies
 - (d) Monsoon winds

20. The Attorney General for India is appointed by
 - (a) Prime Minister
 - (b) President
 - (c) Lok Sabha Speaker
 - (d) None of the above

21. The Constitution of India provides for how many members to be nominated by the President to the Rajya Sabha ?
 - (a) 18 members
 - (b) 13 members
 - (c) 12 members
 - (d) None of the above

22. Which Article of the Indian Constitution deals with the power of the President to promulgate Ordinances during recess of Parliament ?
 - (a) Article 356
 - (b) Article 72
 - (c) Article 343
 - (d) Article 123

23. Which of the following is the largest district of Arunachal Pradesh with the lowest density of population in India ?
 - (a) Tawang
 - (b) Papum Pare
 - (c) Dibang Valley
 - (d) None of the above

24. NITI Aayog was formed on
 - (a) January 1, 2018
 - (b) January 1, 2022
 - (c) January 1, 2015
 - (d) January 1, 2014

25. In thermal power plants fuel is burnt to produce heat energy which is converted into
 - (a) Chemical energy
 - (b) Electrical energy
 - (c) Nuclear energy
 - (d) None of the above



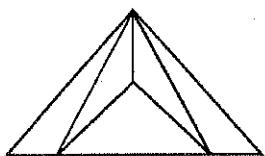
SECTION – B

(General Intelligence and Reasoning Ability)

26. 'Action' is related to 'Reaction' in the same way as 'Stimulus' is related to

(a) Reception	(b) Vision
(c) Response	(d) Feedback

27. Find the number of triangles in the given figure.



(a) 6	(b) 7
(c) 8	(d) 9

28. 'Lawyer' is related to 'Justice' in the same way as 'Arbitrator' is related to

(a) Judgment
(b) Injustice
(c) Settlement
(d) Communication

Direction (Q. No. 29 – 32) : In the following questions, select the related word pair from the given alternatives.

29. Eye : See :: Leg : ?

(a) Write	(b) Breath
(c) Walk	(d) Hear

30. Fox : Cunning :: Rabbit : ?

(a) Courageous	(b) Dangerous
(c) Timid	(d) Ferocious

31. Behaviour : Psychology :: Plant : ?

(a) Tree	(b) Physiology
(c) Zoology	(d) Botany



Direction (Q. No. 33 – 36) : Find the odd word from the following groups.

33. (a) Apple (b) Grapes
(c) Banana (d) Potato

34. (a) Dog (b) Cow
(c) Goat (d) Buffalo

35. (a) Gallon (b) Ton
(c) Quintal (d) Kilogram

36. (a) CFIL (b) GHIJ
(c) MOQS (d) PSUX

37. Select the set in which the numbers are related in the same way as the numbers of the following set.

(3, 24, 4)
(a) (6, 35, 11) (b) (2, 30, 8)
(c) (12, 84, 4) (d) (4, 72, 9)

38. Two different positions of the same dice are shown. Which number will be at the top if 6 is at the bottom ?



(a) 1 (b) 4
(c) 2 (d) 3

39. A book has 300 pages and each page has 20 lines of 10 words each. How many words are there in the book altogether ?



41. In the following question, two statements followed by two conclusions are given. Read the statements carefully and decide which of the given conclusions logically follow(s).

Statements :

All pens are chalks.

All chairs are chalks.

Conclusions :

- I. Some pens are chairs.
- II. Some chalks are pens.

(a) Only Conclusion I follows

(b) Only Conclusion II follows

(c) Neither Conclusion I nor Conclusion II follows

(d) Both Conclusions I and II follow

42. In the following question, a statement followed by two arguments are given. Read the statement carefully and decide which of the given arguments logically follow(s).

Statement :

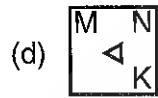
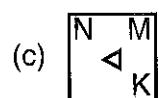
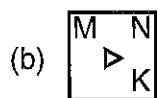
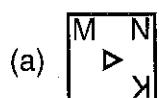
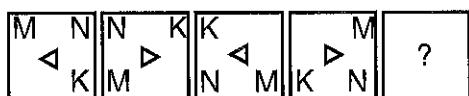
Should girls learn art like judo and karate ?

Arguments :

- I. Yes, it will enable them to defend themselves from rogues and ruffians.
- II. No, they will lose their feminine grace.
 - (a) If only Argument I is strong
 - (b) If only Argument II is strong
 - (c) If both Arguments I and II are strong
 - (d) If neither Argument I nor II is strong



43. Select the option figure that will come next in the following series.



44. A and B are sisters. R and S are brothers. Daughter of A is sister of R. How is B related to S ?

- (a) Mother
- (b) Grandmother
- (c) Sister
- (d) Aunt

Direction (Q. No. 45 and 46) : What comes in place of question mark (?) in the series given below ?

45. 4, 8, 12, 16, 20, ?

- (a) 18
- (b) 21
- (c) 19
- (d) 24

46. 1, 9, 25, ?, 81

- (a) 36
- (b) 28
- (c) 64
- (d) 49



47. Read the following information carefully and answer the question given below.

- I. 'P \times Q' means 'P is sister of Q'.
- II. 'P + Q' means 'P is mother of Q'.
- III. 'P – Q' means 'P is father of Q'.
- IV. 'P \div Q' means 'P is brother of Q'.

Which of the following represents 'M is the nephew of R' ?

- (a) M \div T – R
- (b) R \div T – M
- (c) R \times T + M \times J
- (d) R \div T – M \div J

48. Some of alphabet of this series are missing. Find these missing alphabet from given alternatives.

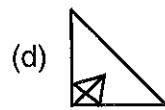
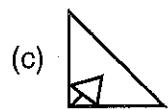
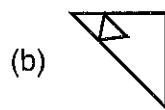
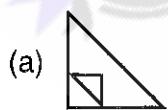
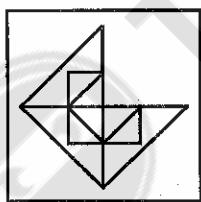
acc _bc_a_ccbbcc_

- (a) abab
- (b) bcaa
- (c) aabc
- (d) bcab

49. In a row of girls, if Sujata is 10th from the left and Namrata is 9th from the right, interchange their positions, Sujata becomes 23rd from the left. How many girls are there in the row ?

- (a) 32
- (b) 34
- (c) 30
- (d) 31

50. Which figure in the given alternative will complete the pattern in the question figure ?





SECTION – C

(Arithmetical and Numerical Ability)



58. If runs scored by a batsman in 5 overs are 4, 3, 2, 0, 1 respectively, then his average score for 5 overs is
(a) 2 (b) 3
(c) 2.5 (d) 4

59. The LCM of 3, 5, 7 is
(a) 105 (b) 135
(c) 210 (d) 270

60. If length of a rectangle is twice its breadth and area is 128 sq. feet then breadth of rectangle is
(a) 8 feet (b) 16 feet
(c) 12 feet (d) 9 feet

61. 45% of 450 is
(a) 200 (b) 45^2
(c) 2025 (d) 202.5

62. If a vessel of Rs. 90 is sold at Rs. 45 then loss incurred is
(a) Rs. 90 (b) Rs. 4.5
(c) Rs. 45 (d) Rs. 55

63. If Rs. 150 is divided in the ratio 3 : 7 between A and B, then B gets
(a) Rs. 45 (b) Rs. 135
(c) Rs. 105 (d) Rs. 115

64. The LCM of two numbers 64 and b is 160 and their HCF is 16, then number b is
(a) 10 (b) 20
(c) 30 (d) 40





Direction (Q. No. 72 and 73) : The two pie charts below show the percentage market share on value basis of the companies A to D and others in sectorial market for the years 1999 and 2000.

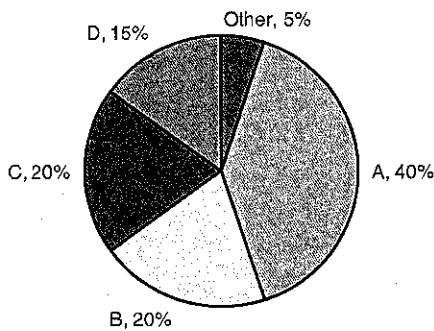


Figure 1 : 1999

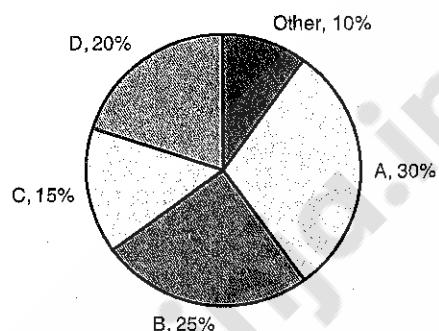


Figure 2 : 2000

Figure 1 : Market size 1999 = 150 crore

Figure 2 : Market size 2000 = 375 crore

72. Which company had the minimum growth in sales in these two years ?
(a) B (b) A
(c) C (d) Others

73. The ratio of sales of company D in year 1999 to year 2000 is
(a) 3 : 10 (b) 3 : 7
(c) 3 : 5 (d) None of these

Direction (Q. No. 74 and 75) : A, B, C, D and E are 5 boys. A, B, C play football, B, D and E play tennis, A, B and E play cricket and C, D and E play hockey.

74. Who plays only football and hockey ?
(a) A (b) B
(c) C (d) E

75. The boy who plays tennis, cricket, hockey but not football is
(a) A (b) E
(c) D (d) B



SECTION – D

(Test of English Language and Comprehension)

76. The following sentence divided into three sections, marked (a), (b) and (c). Read the sentence carefully and mark the alternative that contains error. If there is no error in the sentence, mark (d) as your answer.

As the meeting was / about to end, the boss insisted / to ask several questions. /

(a) (b) (c)

No error

(d)

Direction (Q. No. 77 and 78) : Choose the most appropriate alternative from the alternatives given below them.

77. I dare say that Prarthana takes _____ her mother.

(a) to (b) down
(c) after (d) in

78. Students have been darning their socks _____ the last two hours.

(a) since (b) right from
(c) from (d) for

Direction (Q. No. 79 and 80) : Choose the correct synonyms for the given words from the alternatives given below them.

79. Patronage

(a) Donation
(b) Support
(c) Espionage
(d) Beneficiary



Direction (Q. No. 81 and 82) : Choose the correct antonyms for the given words from the alternatives given below them.

81. Summit

- (a) Base
- (b) Eternal
- (c) Liquefy
- (d) Complex

82. Wholesale

- (a) Retail
- (b) Refined
- (c) False
- (d) Resist

Direction (Q. No. 83 and 84) : Choose the correctly spelt word from the following alternatives.

83. (a) dilogue
(b) dialogue
(c) dialoge
(d) diylogue

84. (a) mathematics
(b) mathmatics
(c) methematics
(d) mathamatics



Direction (Q. No. 85 and 86) : Choose the correct meaning of the following idioms and expressions from the alternatives given below them.

85. My hands are full

- (a) I am having a lot of things to carry
- (b) I am having lots of money
- (c) I am very busy
- (d) I am anxious

86. No love lost between them

- (a) to have a fight
- (b) to dislike each other
- (c) are as friendly as ever
- (d) are upset

Direction (Q. No. 87 and 88) : Choose one word substitutes for the following.

87. A book that sells in very large numbers.

- (a) Calligraphy
- (b) Canine
- (c) Clean sweep
- (d) Bestseller

88. One who is too fond of reading and study

- (a) Nerd
- (b) Chalet
- (c) Bivouac
- (d) Bust

Direction (Q. No. 89 and 90) : In the following questions, sentences has been split into four parts and the parts have been presented in a jumbled form. Choose the appropriate order from the alternatives given below them to produce the original sentence.



90. 1. fails at this juncture
2. not worth his salt
3. he is
4. if he
(a) 4, 1, 2, 3 (b) 2, 3, 4, 1
(c) 3, 2, 4, 1 (d) 4, 2, 3, 1

Direction (Q. No. 91 and 92) : A part of the sentence is underlined in the following questions. Below are given alternatives to the underlined part at (a), (b) and (c) which may improve the sentence. Choose the correct alternative, in case no improvement is needed your answer is (d).

91. Shubha is in want of a reliable servant.
(a) refused (b) needs
(c) declined (d) No improvement

92. The newspaper provides more international news than domestic news.
(a) national (b) alien
(c) provincial (d) No improvement

Direction (Q. No. 93 and 94) : Choose the appropriate active/passive forms of the following sentences from the alternatives given below them.

93. Who stole your book ?
(a) Who was stolen your book ?
(b) By whom is your book stolen ?
(c) By whom was your book stolen ?
(d) By whom did your book steal ?

94. Mohith can help you.
(a) You could be helped by Mohith (b) You can be helped by Mohith
(c) You can be help by Mohith (d) You could be help by Mohith



Direction (Q. No. 95 and 96) : Out of the four alternatives suggested, select the one which best expresses the same sentence in Direct/Indirect speech.

95. Atul said that she was coming that year.

- (a) Atul said, "She will come this year."
- (b) Atul said, "She is coming this year."
- (c) Atul said, "Come this year."
- (d) Atul said, "She was coming that year."

96. "What did you eat last night ?" asked my friend.

- (a) My friend said to me what did I eat last night.
- (b) My friend asked me what I had eaten the previous night.
- (c) My friend said what did you eat last night.
- (d) My friend questioned me what I ate last night.

Direction (Q. No. 97 and 98) : In each of the following questions, there are six sentences marked S_1 , S_6 , P, Q, R, S. The positions of S_1 and S_6 are fixed. You are required to choose one of the four alternatives which would be the most logic sequence of the sentences in the passage.

97. S_1 : Let us look at the statement, "It is not what you say, but it is what you do."

P : Actions do speak louder than words.

Q : Words can influence others ; we do not deny.

R : The statement is mostly true.

S : This does not mean that words fall on deaf ears.

S_6 : But when words and actions diverge, people focus most on what they see in terms of behaviour.

- (a) S Q R P
- (b) R P S Q
- (c) S P R Q
- (d) R Q S P



98. S_1 : The coconuts are usually picked before they are quite ripe to stop them from falling to the ground or into the water.

P : First, he fastens a strong piece of rope around his ankles ; then he puts both hands around the smooth tree-trunk and grips it lower down with his bare feet.

Q : It is exciting to watch him climb.

R : To pick them, a man climbs up the tree, taking with him only a very sharp knife and a little coil of rope.

S : When he is ready to start, he gives a jerk and moves his feet higher up the trunks, then another jerk and moves his hands.

S₆ : Like this, in a series of jerks, first feet and then hands, he goes right to the top of the tree taking the rope with him.

Direction (Q. No. 99 and 100) : Fill in the blanks in the paragraph given below by choosing the most appropriate alternatives given below them.

A step-by (99) _____ approach involving a measurable achievement each day is the (100) _____ effective method to get results. Each little success gives you a shot of confidence and a sense of accomplishment that will help sustain you in sticking to your programme.

99. (a) leap (b) jump
(c) run (d) step

100. (a) probable (b) only
(c) likely (d) various



BEM – 1/25



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A

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Answer Key for BEM – 1/25 (Set – A)

Question No.	Ans. Key	Question No.	Ans. Key
1	d	51	a
2	a	52	a
3	c	53	c
4	c	54	b
5	b	55	b
6	b	56	a
7	b	57	b
8	d	58	a
9	a	59	a
10	d	60	a
11	b	61	d
12	a	62	c
13	b	63	c
14	b	64	d
15	c	65	c
16	a	66	a
17	c	67	a
18	a	68	a
19	d	69	d
20	b	70	b
21	c	71	a
22	d	72	c
23	c	73	a
24	c	74	c
25	b	75	b
26	c	76	c
27	d	77	c
28	c	78	d
29	c	79	b
30	c	80	b
31	d	81	a
32	c	82	a
33	d	83	b
34	a	84	a
35	a	85	c
36	d	86	b
37	d	87	d
38	d	88	a
39	b	89	d
40	c	90	c
41	b	91	b
42	a	92	a
43	d	93	c
44	d	94	b
45	d	95	b
46	d	96	b
47	b and d	97	b
48	b	98	d
49	d	99	d
50	a	100	b



Answer Key for BEM - 1/25 (Set – B)

Question No.	Ans. Key	Question No.	Ans. Key
1	b	51	d
2	b	52	c
3	d	53	c
4	a	54	d
5	d	55	c
6	c	56	a
7	d	57	a
8	c	58	c
9	c	59	b
10	b	60	b
11	a	61	a
12	c	62	c
13	a	63	a
14	d	64	a
15	b	65	a
16	d	66	a
17	a	67	d
18	c	68	b
19	c	69	c
20	b	70	b
21	b	71	a
22	a	72	b
23	b	73	a
24	b	74	a
25	c	75	a
26	d	76	b
27	a	77	b
28	a	78	b
29	d	79	d
30	b	80	d
31	a	81	b
32	d	82	b
33	d	83	a
34	c	84	c
35	d	85	b
36	c	86	c
37	d	87	c
38	d	88	d
39	d	89	b
40	d	90	b
41	b	91	c
42	c	92	b
43	b and d	93	d
44	b	94	a
45	d	95	d
46	a	96	c
47	c	97	a
48	c	98	a
49	d	99	b
50	c	100	a



Answer Key for BEM - 1/25 (Set – C)

Question No.	Ans. Key	Question No.	Ans. Key
1	c	51	c
2	d	52	b
3	c	53	a
4	c	54	a
5	b	55	a
6	a	56	d
7	c	57	b
8	a	58	a
9	d	59	a
10	b	60	c
11	d	61	b
12	a	62	b
13	c	63	d
14	c	64	c
15	b	65	c
16	b	66	d
17	a	67	c
18	b	68	a
19	b	69	b
20	c	70	a
21	b	71	a
22	b	72	a
23	d	73	a
24	a	74	c
25	d	75	a
26	c	76	a
27	c	77	a
28	d	78	b
29	c	79	a
30	d	80	b
31	d	81	b
32	d	82	b
33	d	83	d
34	b	84	d
35	c	85	b
36	b and d	86	b
37	b	87	a
38	d	88	c
39	a	89	b
40	b	90	c
41	a	91	c
42	d	92	d
43	d	93	b
44	d	94	b
45	a	95	c
46	a	96	b
47	d	97	d
48	c	98	a
49	d	99	d
50	c	100	c



Answer Key for BEM - 1/25 (Set – D)

Question No.	Ans. Key	Question No.	Ans. Key
1	a	51	a
2	c	52	a
3	a	53	a
4	d	54	d
5	b	55	b
6	b	56	d
7	a	57	c
8	b	58	c
9	b	59	d
10	c	60	c
11	c	61	c
12	d	62	b
13	c	63	a
14	c	64	b
15	b	65	a
16	b	66	a
17	b	67	a
18	d	68	a
19	a	69	c
20	d	70	a
21	d	71	a
22	a	72	a
23	c	73	c
24	c	74	b
25	b	75	b
26	d	76	b
27	d	77	a
28	d	78	c
29	d	79	b
30	b	80	c
31	c	81	b
32	b and d	82	d
33	b	83	a
34	d	84	d
35	a	85	c
36	c	86	b
37	d	87	b
38	c	88	b
39	d	89	d
40	a	90	d
41	a	91	b
42	d	92	a
43	c	93	a
44	c	94	b
45	d	95	a
46	c	96	c
47	b	97	c
48	a	98	d
49	d	99	b
50	d	100	b

