Seat No.

Set **A**

0 5 0 1

Paper No. I

Time : 11:00 to 12:30

Total Marks : 150

Medium : English

First Language and Mathematics

Pages : 16

Read the following instructions carefully before you answer the questions.

(1) This question paper contains **two** sections. In Section **I** there are **1** to **25** questions of First Language and in Section **II** there are **26** to **75** questions of Mathematics. All **75** questions are compulsory.

(2) All questions carry **2** marks each.

(3) Time limit to solve the question paper is **90** minutes.

(4) Separate answer sheet is given to record the answers. Each question has been given four alternatives. Read them carefully. Select and darken the correct answer in the answer sheet.

For Example :- If the correct alternative for Q. No. **6** is **2**, then record your answer as follows : Question No. **6** - ① ● ③ ④

(5) Answer recorded in any other form will not be considered. Such answer will be credited with 'Zero' mark. ① ② ● ④

(6) Use blue or black ball pen to darken the circle. Circles darkened by pencil will not be credited.

(7) If more than one circles are darkened or overwriting is done, the answer will not be accepted.

(8) Answer once recorded can not be changed.

(9) The rough work is to be done in the space given under each page or on the last page of the question paper.

(10) The exam has limited time, in case you are not able to solve a question, kindly solve the next question. In the end if time permits you can try to solve the unsolved questions.

(11) If incomplete or wrong question found in a question paper, you are not permitted to ask the same to Supervisor or Centre Incharge.

(12) School or parents should not send written application to Block Education Officer or Education Officer for any error, mistake or objection issues. These error / mistake / objection issues should be registered online through respective school login only.

(13) The error / mistake / objection issues should be registered online within 10 - days from the publication of Interim answer key on MSCE website.

(14) Suggestion and decision of expert committee will be applicable on printing or any other mistake in question paper.

ENGLISH

Passage for Question No. 01 and 02.

To his keeper, Karim, Gajpati was the biggest, best and most intelligent Elephant in all Asia. He belonged to India's Forest Department and was employed in the Himalayan foothills as a hunting Elephant. He could penetrate the jungle like no other animal.

Gajpati stood three metres tall and weighed nearly 5,000 kilograms. His legs were like trees and he had more than once stamped a bear to a pulp. Yet, Gajpati was a gentle animal. He was especially so with Karim, whom Gajpati loved with unselfish devotion and with Karim's infant son. If the Elephant was doing nothing when Karim's wife had water to fetch, or dinner to cook, either she or Karim would draw a circle in the dust in front of the tethered animal, and put the baby into it.

01. Gajpati's legs were like trees and heavy. He once stamped.
    (1) Karim's wife   (2) Karim
    (3) Karim and other Elephant   (4) A bear to pulp

02. Gajpati was gentle animal. Choose the correct option for the statement.
    (1) He could penetrate the jungle like no other animal.
    (2) He loved Karim with unselfish devotion and with Karim's infant son.
    (3) Karim's wife went to fetch water.
    (4) Karim would draw a circle in the dust in front of tethered animal.

Passage for Question No. 03 and 04.

Do you know me? I know everyone loves me and knows me. Everyone likes to take a ride. Sometimes, there are many races arranged and we ran as fast as we could. I am a horse. I like to meditate while grazing in the pasture. I think that was happiest part of my life. Most of the time was spent in the fields. Where I nibbled the tender grass. I was bought by rich merchant. I ran in many races but now I am getting older. The trainer don't behave tenderly with me. He gives me very little work. But I lead a quiet contented life.

SPACE FOR ROUGH WORK

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03. The horse likes to _____ while grazing in the pasture.

(1) run　　　　　　　　　　(2) nibble

(3) meditate　　　　　　　　(4) quiet life

04. The trainers don't behave tenderly as _____.

(1) He nibbles the tender grass.　(2) He was bought by rich merchant.

(3) He leads a quiet, contented life.　(4) He is getting older.

Letter for Question No. 05 and 06.

Letter Writing

Manish Varma,

42, Ashok Marg,

New Delhi - 2260001,

My dear Chaya,

It is your birthday on Saturday, so many happy returns of the day! I am sending you a camera to celebrate the event, as I know you are keen on photography, and hope you will find it useful.

Your friend,

Shamika.

05. What is remaining part at the starting of the letter?

(1) Detailed address not required.

(2) Full name in address.

(3) The heading consisting of the date.

(4) Phone number.

06. Why did Shamika send a camera as a gift?

(1) She is keen on photography.

(2) It is expensive gift.

(3) She sent gift as it is not a tradition.

(4) She sent gift as she will be happy.

SPACE FOR ROUGH WORK

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07. He made a devadoota with a beautiful face.

How many Non-English words are used in the sentence?

(1) 1 (2) 3

(3) 4 (4) 2

The extract of poem for Question No. 08 and 09.

The English Language

Some words have different meanings,
and yet they're spelt the same.
A cricket is an insect,
to play it — it's a game.
On every hand, in every land,
it's thoroughly agreed,
the English language to explain,
is very hard indeed.

Some people say that you're a dear,
yet dear is far from cheap.
A jumper is a thing you wear,
yet a jumper has to leap.
It's very clear, it's very queer,
and pray who is to blame
for different meanings to some words
pronounced and spelt the same?

A little journey is a trip,
a trip is when you fall.
It doesn't mean you have to dance
whene'er you hold a ball.

08. When can you fall as described in the poem?

(1) You pray for different things. (2) When you hold the ball.

(3) When something is cheap. (4) When you catch a cricket.

SPACE FOR ROUGH WORK

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09. Why English is difficult according to poet?

    (1) The pronunciation is different.

    (2) The words are difficult.

    (3) It is difficult in every land.

    (4) It has different meaning to some words when pronounced and spelt the same.

A dialogue for Question No. 10 and 11.

    Ajit – Hello Sunil! Shut your books and come and have a game of tennis.

    Sunil – I am sorry. I cannot do that. Examination is drawing near, and I want every hour I can get for study.

    Ajit – I do not worry about mine. After playing, you will get more energy.

    Sunil – I won't get good marks. I will lose marks.

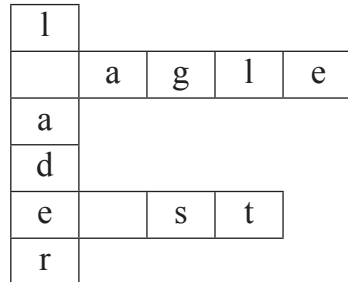   Ajit – No, my friend. It relieves stress. Just play once.

    Sunil – Ok! I will try. If not felt better, I will continue with my studies.

10. Sunil is not ready to play because _____.

    (1) Examination is drawing near.   (2) It will take out energy.

    (3) He doesn't like tennis.   (4) He doesn't feel better.

11. Two reasons for playing Tennis told by Ajit.

    (1) He should not mind about examination and marks.

    (2) He will get good marks.

    (3) He should not worry about marks.

    (4) It relieves stress and he will get more energy.

12. Your friend is sick. You went to meet her. What will you say to her?

    (1) Congratulation!   (2) Get well soon.

    (3) Kudos!   (4) Excuse me!

13. Find out opposite word for the underlined word.

    Three of them had snow white beard, three were still <u>younger.</u>

    (1) Young   (2) Older

    (3) Oldest   (4) Youngest

SPACE FOR ROUGH WORK

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14. Choose correct form of spelling for the following sentence.

Neena and the stepmother wondered when they saw Sunita visited the _____.

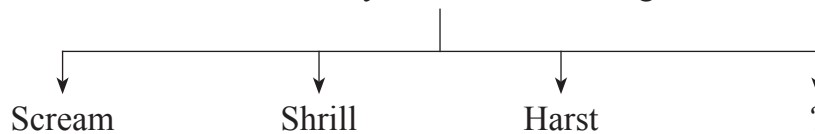(1) Scantuary   (2) Sactunary

(3) Sanctuery   (4) Sanctuary

15. Choose correct alternative to complete the puzzle.

l				
	a	g	l	e
a				
d				
e		s	t	
r				

(1) a, a   (2) a, e

(3) e, a   (4) e, e

16. Choose the appropriate option to explain the figurative words.

My brother _____ when he was checking the results.

(1) wait for mother   (2) kept his fingers crossed

(3) waited for victory   (4) left no stone unturned

17. Find out the younger ones.

If Bear - cub, Elephant - calf then Frog - __?__

(1) calf   (2) foal

(3) tadpole   (4) eaglet

18. Choose correct alternative to complete tree diagram.

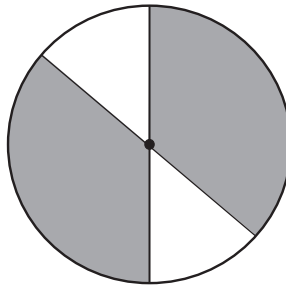Different sounds heard by Aniket in the night at excursion.

Scream   Shrill   Harst   ?

(1) Sticky   (2) Foul

(3) Stink   (4) Screech

SPACE FOR ROUGH WORK

19. Choose correct alternative of personal pronouns from the following sentence.
Nikita helps her mother in household work. She also does her lessons.
(1) 2   (2) 3
(3) 4   (4) 1

20. Mira is industrious girl. Her friend is _____ than Mira.
(1) much industrious   (2) more industriouser
(3) more industrious   (4) the most industrious

21. Jim and his friends _____ strolling in the garden yesterday.
(1) was   (2) are
(3) have   (4) were

22. Many people are nowadays environment friendly. They use bicycle _____ a car.
(1) inspite of   (2) at
(3) instead of   (4) inspite of

23. George's dad is _____ ardent environmentalist.
(1) a   (2) the
(3) an   (4) nil

24. My mother asked me, "_____ did you find such a beautiful puppy?"
(1) What   (2) Where
(3) Who   (4) Whose

25. It was getting dark. So Ratna _____ well.
(1) sleeps   (2) sleep
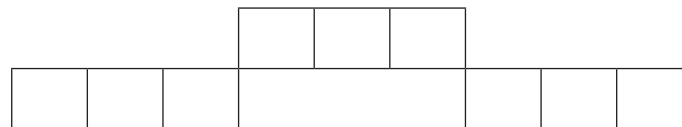(3) sleeping   (4) slept

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SPACE FOR ROUGH WORK

SECTION - II

MATHEMATICS

26. In the given figure how many vertices are there?

(1) 8

(2) 9

(3) 10

(4) 7

27. 65 kg 500 gm of sweets were brought by an Institute for school students. If 60 kg 200 gm of sweets were distributed among the students how much sweets are left?

(1) 5 kg 200 gm   (2) 5 kg 100 gm

(3) 5 kg 400 gm   (4) 5 kg 300 gm

28. In a circle, radius is 2 cm and length of a chord is 3 cm. What is the length of longest chord of a circle?

(1) 5 cm   (2) 6 cm   (3) 2 cm   (4) 4 cm

29. Which of the following mathematical expression has maximum value?

(1) $10 - 3 \times 3$ (2) $10 \times 3 + 3$

(3) $10 + (3 + 3)$ (4) $3 \times 3 + 10$

30. A rectangular room of length 10m and breadth 8m is tiled. What is the cost of tilling at the rate of ₹ 30 per sqm?

(1) ₹ 2400   (2) ₹ 2200   (3) ₹ 2000   (4) ₹ 80

SPACE FOR ROUGH WORK

31. A decimal fraction 0.17 cannot be written in which of the following way.

(1) $\frac{17}{100}$　　　(2) $\frac{10}{100} + \frac{7}{100}$　　　(3) $\frac{10+7}{100}$　　　(4) $10 + \frac{7}{100}$

32. Select the correct option
(1) Selling price – Cost price = Profit
(2) Cost price + Selling price = Loss
(3) Selling price – Loss = Cost price
(4) Cost price – Profit = Selling price

33. 3, 0, 5, 7, 9, 1 use each digit only once to obtain largest 6 digit odd number.
(1) 975310　　　(2) 105793　　　(3) 975301　　　(4) 973501

34. 6 hrs 40 min + 2 hrs 35 min = ?
(1) 8 hrs 40 min　　　　　　(2) 8 hrs 15 min
(3) 5 hrs 5 min　　　　　　(4) 9 hrs 15 min

35. What is the percentage of shaded portion in the given figure?

(1) 50%　　　(2) 75%　　　(3) 25%　　　(4) 85%

36. Chandu typed at the speed of N words per hour for 5 hours and Ali typed at the speed of M words per hour for 6 hours. Total how many words did both of them type?
(1) $5N \times 6M$　　(2) $6M - 5N$　　(3) $5M \times 6N$　　(4) $5N + 6M$

SPACE FOR ROUGH WORK

37. In a milk collection centre there are 300 bags of 1 litre each and 600 bags of 500 ml each. If 560 litres of milk is distributed then how much milk is left?
   (1) 40 litre   (2) 50 litre   (3) 500 litre   (4) 30 litre

38. Javed purchased 10 boxes of Mangoes at the rate of ₹ 3000 each. After some days Mangoes got spoiled so he sold them at ₹ 1200 per box. What is the percentage of loss he got?
   (1) 40%   (2) 60%   (3) 50%   (4) 70%

39. Arrange the following in descending order. Find the difference between the second last and fourth last number. Which digit will occur at the tens place in this difference?
   40273, 41237, 41260, 42106, 41238
   (1) 4   (2) 3   (3) 2   (4) 9

40. 2 gross papers out of 2 rim of papers is used for printing, how many dozen papers are left?
   (1) 672   (2) 56   (3) 66   (4) 288

41. Select the correct statement.
   (1) Smallest divisor of 15 is 3.
   (2) Only three divisors of 18 are even numbers.
   (3) Any prime number has more than 2 divisors.
   (4) Number of divisors is unlimited.

42. Arrange the multiples of 41 in ascending order. Which is the fourth even number in this set?
   (1) 328   (2) 164   (3) 410   (4) 246

43. What is the perimetre of the given figure, when length of each square is 1.5 cm?

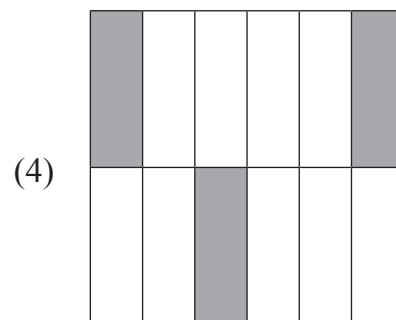   (1) 15 cm   (2) 9 cm   (3) 39 cm   (4) 36 cm

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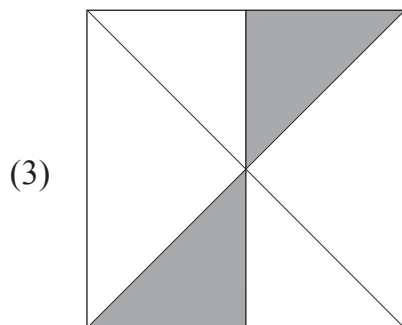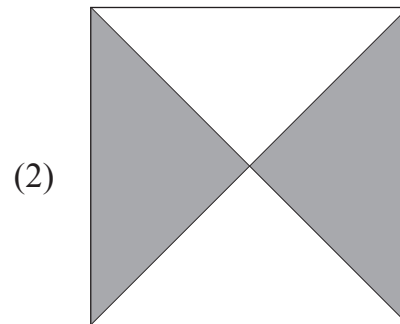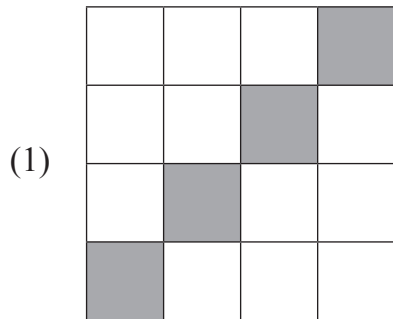
SPACE FOR ROUGH WORK

44. How many one digit and two digit square numbers contain 1, 6 and 9 at any place?

(1) 6   (2) 9   (3) 7   (4) 8

45. What is the simple interest on ₹ 3000 at the rate of 10 p.c.p.a for 3 years?

(1) ₹ 300   (2) ₹ 600   (3) ₹ 800   (4) ₹ 900

46. Which of the following indicates different fraction formed by shaded portion?

(1)   (2)

(3)   (4)

47. If an article of ₹ 1000 is sold at 30% profit then how many rupees profit is gained in the transaction?

(1) ₹ 1030   (2) ₹ 150   (3) ₹ 300   (4) ₹ 1300

SPACE FOR ROUGH WORK

48. Lokesh and Roshan are working in a same company. Roshan received salary of rupees Fifteen and half thousand for 1 month and Lokesh received salary of rupees quarter to Eighteen thousand for same month. Salary of Lokesh is more by how much than Roshan's salary?

(1) Quarter and two thousand rupees.

(2) Two thousand and fifty rupees.

(3) Twenty two hundred rupees.

(4) Twenty three and half hundred rupees.

49. Height of two pillars is 117 cm and 105 cm respectively. What is the height of the pillar formed by joining these two pillars?

(1) 2.22 mm   (2) 222 m   (3) 2.22 cm   (4) 2.22 m

Note for Question 50 and 51.

Answer the following questions on the basis of pictographical information given below. Pictograph indicates the number of students learning to play musical instruments.

Instrument	Number of students
Tabla	☺ ☺ ☺ ☺ ☺ ☺
Harmonium	☺ ☺ ☺
Flute	☺ ☺
Guitar	☺ ☺ ☺ ☺ ☺

Scale : 1 picture = 10 students

50. Total how many students are learning to play musical instrument?

(1) 150   (2) 160   (3) 140   (4) 130

51. Which instrument is learnt by least number of students?

(1) Flute   (2) Guitar   (3) Tabla   (4) Harmonium

SPACE FOR ROUGH WORK

52. Nikhil purchased three chocobars from a shop. He paid ₹ 50 to the shopkeeper and got ₹ 5 back from him. What is the cost of each chocobar?

(1) ₹ 20   (2) ₹ 10   (3) ₹ 12   (4) ₹ 15

53. Jay purchased an old bike at ₹ 17000 and after 2 months he sold it at ₹ 15000. How much is the loss in this transaction?

(1) ₹ 2000   (2) ₹ 4000   (3) ₹ 3200   (4) ₹ 5000

54. From the given set how many numbers are not completely divisible by 2?
162, 131, 890, 772, 245

(1) Three   (2) Four   (3) Two   (4) One

55. Which number should be subtracted from quarter to twenty six thousand to obtain 4 digit smallest even number?

(1) 25750   (2) 24750   (3) 27450   (4) 26750

56. If in the year 2010 Republic Day occured on Tuesday then in the same year Teacher's Day occured on which day?

(1) Sunday   (2) Saturday   (3) Monday   (4) Friday

57. Sanjeev deposited certain amount at the rate 5 p.c.p.a. for 3 years in a bank. He received simple interest of ₹ 1500 after 3 years. How much amount did he deposit in the bank?

(1) ₹ 11500   (2) ₹ 10000   (3) ₹ 4500   (4) ₹ 5000

58. Which of the following numbers do not occur at unit place in the prime numbers from 10 to 100?

(1) 1, 3, 7   (2) 9, 7, 3   (3) 5, 2, 4   (4) 1, 3, 9

59. Each angle of a rectangle is _____.

(1) Acute angle   (2) Right angle   (3) Obtuse angle   (4) Linear angle

60. Quarter to nine litre means how much millilitre?

(1) 8750 ml   (2) 9750 ml   (3) 8250 ml   (4) 8550 ml

SPACE FOR ROUGH WORK

61. Select the correct option to indicate the number 'Seven lakhs seven thousand seven hundred and seven' in figures.

    (1) 770707   (2) 77777   (3) 707707   (4) 707070

62. Identify the pattern and select the correct number to fill the blank box.

5	7	10		22	33	46

    (1) 5   (2) 17   (3) 10   (4) 15

63. Select the correct option which indicates the ascending order of fractions.

    (1) $\frac{5}{6}, \frac{4}{6}, \frac{1}{6}, \frac{11}{6}, \frac{17}{6}$ (2) $\frac{1}{6}, \frac{5}{6}, \frac{6}{6}, \frac{11}{6}, \frac{17}{6}$

    (3) $\frac{5}{6}, \frac{1}{6}, \frac{6}{6}, \frac{17}{6}, \frac{11}{6}$ (4) $\frac{1}{6}, \frac{5}{6}, \frac{6}{6}, \frac{17}{6}, \frac{11}{6}$

64. $225 \times 72 = \boxed{}$ select the correct option.

    (1) 16200   (2) 2250   (3) 1650   (4) 22500

65. When two cubes are joined to form a cuboid then the number of edges are more than number of surfaces by how much?

    (1) More by 2   (2) More by 3   (3) More by 8   (4) More by 6

66. Select the correct option to replace the box. $\frac{4}{7} + \frac{\boxed{}}{8} = \frac{53}{56}$

    (1) 4   (2) 2   (3) 3   (4) 5

67. 30% of 60 = ?

    (1) 9   (2) 90   (3) 30   (4) 18

68. Last year 427523 students of std. 5th and 238249 of std. 8th appeared for scholarship examination. Total how many students appeared for the examination.

    (1) 662757   (2) 665772   (3) 662752   (4) 667527

SPACE FOR ROUGH WORK

69. Solve

$$\left(5 + \frac{2}{10} + \frac{4}{100} + \frac{5}{1000}\right) - \left(2 + \frac{1}{10} + \frac{3}{100} + \frac{2}{1000}\right) = \boxed{}$$

    (1) 3.003   (2) 3.005   (3) 3.113   (4) 3.004

70. Riya purchased two and quarter metre of white cloth and two and three quarter metre of blue cloth to stitch a uniform. Total how much cloth did she purchase?

    (1) 5 metre   (2) 4.15 metre   (3) 4.95 metre   (4) 5.10 metre

71. 3000 is divided by which number to get the quotient as 85 and remainder as 25?

    (1) 45   (2) 25   (3) 55   (4) 35

72. Suhas participated in a motorbike ride competition of 60 km. He covered the distance with the speed 15 km/hr. If he started at 10:15 am. then at what time will he reach the destination.

    (1) 14:15   (2) 12:15   (3) 14:30   (4) 13:00

73. Solve

70602 + $\boxed{}$ = 92328

    (1) 22823   (2) 21726   (3) 21720   (4) 27612

74. 12 dozen notebooks are packed in one bundle. If the thickness of each notebook is 5 mm then what is the height of the bundle in cm?

    (1) 72 cm   (2) 720 mm

    (3) 720 deci metre   (4) 720 m

75. Convert the improper fraction $\frac{47}{3}$ into mixed fraction.

    (1) $15 \frac{4}{3}$ (2) $3 \frac{2}{15}$ (3) $15 \frac{3}{2}$ (4) $15 \frac{2}{3}$

SPACE FOR ROUGH WORK