



KPSTA STATE ACADEMIC COUNCIL

LSS MODEL EXAMINATION - 2023

EM

REGISTER
NUMBER

In Figure
In Words

Time: 1½ Hrs.

PAPER II

Score:40

Part A- ENVIRONMENTAL SCIENCE Part B-MATHS

പൊതു നിർദ്ദേശങ്ങൾ

- 11.30 മുതൽ 1.15 വരെയാണ് പരീക്ഷാ സമയം .ഇതിൽ ആദ്യത്തെ 15 മിനിറ്റ് സമാശ്വാസ സമയമാണ് ഈ സമയത്ത് ചോദ്യങ്ങൾ വായിച്ചു മനസ്സിലാക്കണം.
- പേപ്പർ ഒന്നിലെ ചോദ്യങ്ങൾ 3 ഭാഗങ്ങളായി ഉൾപ്പെടുത്തിയിരിക്കുന്നു. പാർട്ട്(എ) ഒന്നാം ഭാഗ - മലയാളം പാർട്ട് (ബി) - ഇംഗ്ലീഷ് പാർട്ട് (സി)- പൊതുവിജ്ഞാനം
- എല്ലാ ചോദ്യങ്ങൾക്കും ചോദ്യപേപ്പറിൽ നൽകിയിരിക്കുന്ന സ്ഥലത്ത് ഉത്തരം എഴുതേണ്ടതാണ്.
- ബുക്ക് ലെറ്റിൽ ഏതെങ്കിലും വിധത്തിലുള്ള വ്യക്തി വിവരങ്ങളോ അടയാളങ്ങളോ രേഖപ്പെടുത്താൻ പാടില്ല.
- ബുക്ക് ലെറ്റ് ഇൻവിജിലേറ്റർ ഏൽപ്പിച്ചതിനു ശേഷം മാത്രമേ പരീക്ഷ ഹാൾ വിട്ടു പുറത്തു പോകുവാൻ പാടുള്ളൂ

Part (A)
ENVIRONMENTAL SCIENCE

1.

ICE, STEEL POT WITH LID, STOVE, MATCHBOX.

- a) What are the different states of water that can be explained using only the materials listed above? Please prepare a test report after specifying the assumptions. Score 3

- b) Use the findings from this experiment, explain the rain fall. Score 2

2. In which state the Taj Mahal is located? Score 1

3. In which songs do you find great heroes such as Thacholi Othenan and Aromal Chekavar? Score 1

- A) Southern Songs
- C) Folk songs

- B) Northern Songs
- D) Villatichan songs

4. Which of the following statements is incorrect? Score 1

- A) Plants with parallel venation have thin stem.
- B) Dicotyledonous plants have Reticulate venation.
- C) Plumule becomes stem of the plant
- D) As the plants grow, cotyledons get bigger

5. Which of the following is not included in the group? Score 1

- A) Lotus
- C) Mango

- B) Malamuzhakki Vezhambal
- D) Ashoka Sthambham

6. Who proclaimed "Freedom is my birthright, and I shall have it"? Score 1

A) Bhagat Singh

B) Jawaharlal Nehru

C) Balagangadhara Tilak

D) Gokhala

7. Check the following indicators related to living organisms and write them down in the correct order . Score 1

A) GIRAFFE, FISH, FROG

B) ELEPHANT, FROG, SALAMANDER

C) FROG, TURTLE, FISH

D) CROW, FROG, SEA HORSE

8. Name of the rocket launch centre located in Kerala? Score 1

9. To keep a broken bone from moving and shaking, what should the person do? Score 1

10. Which is not the cause of extinction of birds? Score 1

A) Loss of habitats

B) Decreasing availability of food

C) Pesticide application

D) Protecting bird sanctuaries

11. The highest level in the three-tier panchayat system of administration?

Score 1

12. Millet, Mahogany, Palm, Coconut tree, Jackfruit tree, Ramacham

a) Given above is a list of the plants observed by Ammu in her field. Can you list them on the basis of venation?

Score 3

.....
Coconut tree	Jackfruit tree

b) Among the plants observed, are monocotyledonous (monocots) plants or dicotyledonous (dicots) plants more?

Score 1

c) Which of them are plants with tap root system?

Score 1

Part B
Maths

13. There are a total of 196 employees in a company, including 84 permanent employees and 112 contract employees. Permanent employees receive a daily wage of 975 rupees. Contract employees are paid a total of 92,400 rupees for one day's work, divided among all of them.

- i. How much money is needed to pay all the contract employees for one day's work In full? Score 2

- ii. What is the difference in the total wage amount for one day's work between the contract employees and the permanent employees? Score 1

- iii. If all categories of employees are given a daily allowance of 106 rupees for food, how much money will be spent on food for one day? Score 1

- iv. If 112 contract workers are divided into eight groups, how many workers are there in each group? Score 1

14. Raju cut a square of side 16 cm from a large paper. After cutting the square, the remaining paper is also a square with a length of 20 cm and perimeter of 72 cm.

a. What is the perimeter of the large paper?

Score 3



b. What is the perimeter of the square?

Score 1



c. Four small squares of equal size are cut from the square. What is the perimeter of the side of a small square?

Score 1



15. The sum of numbers from 1 to 100 is 5050. What is the sum of even numbers from 1 to 100?

Score 1



16. The Padasekhara committee collected 100 tons of paddy. It is stored in quintal sacks. How many quintal sacks are needed? Score 1

17. "On April 26, which was a Wednesday, Remya started her tour of India. If she finishes her tour after 72 more days, which day will she finish it on?" Score 1

18. What is the difference between the largest and smallest five-digit numbers that can be written using the digits 5, 6, 0, 3, and 9? Score 1

19. If a train that is scheduled to arrive at 22:35 reaches Thiruvananthapuram after 4 hours and 25 minutes, what time will the train arrive? Score 1

20. If there were 42 children participated in a Sub-district Speech competition, and the roll number of the fifteenth child is 514, what is the roll number of the first child? Score 1

21. "When asked to write 8569, Manu wrote it by changing the numbers in the unit place and thousandth place. What is the difference between the two numbers?"

Score 1

22. Complete the series:
300, 900, 2700, ...

Score 1

23. A number that is the sum of three consecutive odd numbers?

A) 2500 B) 2505 C) 2510 D) 2508

Score 1

24. "A cake was divided into four equal parts, and Rama got one piece. How much of the cake was given to her?"

A) $1/2$ B) $2/4$ C) $1/4$ D) $1/5$

Score 1

