



കേരള സ്കൂൾ ടിച്ചേഴ്സ് അസോസിയേഷൻ (KSTA)

അക്കാദമിക് കൗൺസിൽ

MODEL EXAMINATION 2022, JUNE 18

1. Mark should be dark and completely fill in the appropriate circles. Mark the circles corresponding to one alternative out of A, B, C D which you think is correct answer to an item given in the Question Booklet as per example.

Correct Method	Wrong Method
<input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D	<input checked="" type="checkbox"/> X <input checked="" type="radio"/> B <input checked="" type="checkbox"/> A <input checked="" type="radio"/> C

2. Use only Blue/Black Ball Pen to fill the OMR Sheet.

3. There should be no stray marks on the sheet or on the barcode darken only one circle for every question.

4. Do not fold or damage the sheet

5. All item carry one mark each

Correct Method	Wrong Method
(A) (B) (C) (D)	(X) (B) (X) (C)

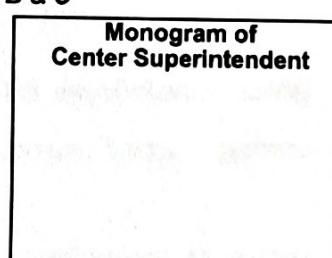
Name of the Candidate (Leave a box blank between each part of the name)

Important Instruction : Use same set of question booklet for part A, B & C

PART-A (Malayalam)				
1	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
2	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
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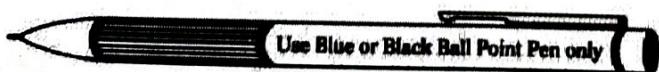
PART-B (Malayalam)									
11	(A) <input type="radio"/>	(B) <input type="radio"/>	(C) <input type="radio"/>	(D) <input type="radio"/>	21	(A) <input type="radio"/>	(B) <input type="radio"/>	(C) <input type="radio"/>	(D) <input type="radio"/>
12	(A) <input type="radio"/>	(B) <input type="radio"/>	(C) <input type="radio"/>	(D) <input type="radio"/>	22	(A) <input type="radio"/>	(B) <input type="radio"/>	(C) <input type="radio"/>	(D) <input type="radio"/>
13	(A) <input type="radio"/>	(B) <input type="radio"/>	(C) <input type="radio"/>	(D) <input type="radio"/>	23	(A) <input type="radio"/>	(B) <input type="radio"/>	(C) <input type="radio"/>	(D) <input type="radio"/>
14	(A) <input type="radio"/>	(B) <input type="radio"/>	(C) <input type="radio"/>	(D) <input type="radio"/>	24	(A) <input type="radio"/>	(B) <input type="radio"/>	(C) <input type="radio"/>	(D) <input type="radio"/>
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16	(A) <input type="radio"/>	(B) <input type="radio"/>	(C) <input type="radio"/>	(D) <input type="radio"/>					
17	(A) <input type="radio"/>	(B) <input type="radio"/>	(C) <input type="radio"/>	(D) <input type="radio"/>					
18	(A) <input type="radio"/>	(B) <input type="radio"/>	(C) <input type="radio"/>	(D) <input type="radio"/>					
19	(A) <input type="radio"/>	(B) <input type="radio"/>	(C) <input type="radio"/>	(D) <input type="radio"/>					
20	(A) <input type="radio"/>	(B) <input type="radio"/>	(C) <input type="radio"/>	(D) <input type="radio"/>					

PART - C (Mathamatics)				
25	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D
26	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D
27	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D
28	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D
29	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D
30	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D
31	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D
32	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D
33	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D
34	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D



	PART-D (English)
35	(A) (B) (C) (D)
36	(A) (B) (C) (D)
37	(A) (B) (C) (D)
38	(A) (B) (C) (D)
39	(A) (B) (C) (D)
40	(A) (B) (C) (D)
41	(A) (B) (C) (D)
42	(A) (B) (C) (D)
43	(A) (B) (C) (D)
44	(A) (B) (C) (D)

PART-E (Basic Scince)									
45	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	51	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D
46	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	52	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D
47	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	53	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D
48	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	54	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D
49	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	55	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D
50	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	56	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D
					57	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D



Use Blue or Black Ball Point Pen only

Barcode

KSTA
State Academic Council
USS Model Examination June 2022
English Medium

നിർദ്ദേശങ്ങൾ

ചോദ്യ ബുക്ക്‌ലെറ്റിന്റെ കവർ പേജിലും, ഓ.എം.ആർ ഷീറ്റിലും നൽകിയിട്ടുള്ള നിർദ്ദേശങ്ങൾ വളരെ ശ്രദ്ധയോടെ വായിക്കണമെന്ന് അനുശാസിക്കുന്നു.

- 1) പരീക്ഷാ സമയമായ 2 മണിക്കൂറിന് പുറമെയുള്ള 20 മിനിറ്റ് ‘കൂൾ ഓഫ് ടെക്’ ആയിരിക്കും. ഈ സമയത്ത് ചോദ്യങ്ങൾക്ക് ഉത്തരം എഴുതാനോ, മറുള്ളവരുമായി ആശയവിനിമയം നടത്താനോ പാടില്ല. ഉത്തരങ്ങൾ എഴുതുന്നതിന് മുൻപ് ചോദ്യങ്ങൾ ശ്രദ്ധാപൂർവ്വം വായിക്കണം.
- 2) (എ) പാർട്ട് (A)നൊം ഭാഷ (AT)- യിൽ 10 ചോദ്യങ്ങൾ ഉണ്ടായിരിക്കും. എല്ലാ ചോദ്യങ്ങൾക്കും കൂട്ടികൾ ഉത്തരം എഴുതേണ്ടതാണ്.
(ബി) പാർട്ട് (B)നൊം ഭാഷ (BT)- യിൽ 14 ചോദ്യങ്ങൾ ഉണ്ടായിരിക്കും. (ഗരിയായി ഉത്തരമെഴുതിയ 10 ചോദ്യങ്ങളുടെ മാർക്ക് മാത്രമേ പരിഗണിക്കുകയുള്ളൂ)
(സി) പാർട്ട് (C),(D),(E),(F) എന്നിവയുടെ ചോദ്യങ്ങൾ ഒരു ബുക്ക്‌ലെറ്റിൽ ആയിരിക്കും. പാർട്ട് (C) ഗണിതം, പാർട്ട് (D) ഇംഗ്ലീഷ് എന്നിവയിൽ എല്ലാ ചോദ്യങ്ങൾക്കും ഉത്തരം എഴുതേണ്ടതാണ്.
(ഡി) പാർട്ട് (E)അടിസ്ഥാനശാസ്ത്രം, പാർട്ട് (F) സാമൂഹ്യശാസ്ത്രം എന്നിവയിൽ 13 ചോദ്യങ്ങൾ വീതം ഉണ്ടായിരിക്കും. ഓരോ പാർട്ടിലും ഗരിയായി ഉത്തരമെഴുതിയ 10 വീതം ചോദ്യങ്ങളുടെ മാർക്ക് മാത്രമേ പരിഗണിക്കുകയുള്ളൂ.
- 3) ഉത്തരങ്ങൾക്ക് നേര്യോധി മാർക്ക് (മെമന്ന് മാർക്ക്) ഉണ്ടായിരിക്കുന്നതല്ല. ഉത്തരം എഴുതുവാൻ ഓ.എം.ആർ. ഷീറ്റിലും, ചോദ്യപേപ്പറിലും തന്നിട്ടുള്ള നിർദ്ദേശങ്ങൾ നിർബന്ധമായും പാലിക്കണമെന്ന് പരീക്ഷാർത്ഥികളെ അനുശാസിക്കുന്നു.
- 4) ഉത്തരങ്ങൾ എഴുതുന്നതിനു മുൻപായി ഓ.എം.ആർ. ഷീറ്റിന്റെ മുകൾഭാഗത്തുള്ള കളങ്ങൾ പുതിപ്പിക്കുക.
- 5) ഓ.എം.ആർ. ഷീറ്റിൽ ഉത്തരങ്ങൾ അടയാളപ്പെടുത്തുന്നതിന് നീല മഷിയോ, കറുപ്പ് മഷിയോ ഉള്ള ബോൾ പോയിന്റ് പേനകൾ മാത്രം ഉപയോഗിക്കുക.

ପାଠ୍ୟ ବି

അനാം ടെപ് - മലയാളം (AT)

ചോദ്യാഞ്ചൽ 1 മുതൽ 10 വരെ

ପାଠ୍ୟ ବି

കൊം ടോഷ് - മലയാളം (BT)

ചോദ്യാങ്കൾ 11 മുതൽ 24 വരെ

(തന്നീടുള്ള 14 ചോദ്യങ്ങളിൽ ഏതെങ്കിലും 10 എണ്ണത്തിന് ഉത്തരമെഴുതുക)

21. വിപ്പവത്തിന്റെ ശുക്രനക്ഷത്രം എന്ന് കുമാരനാശാനെ വിശേഷിപ്പിച്ചതാൽ?
A. സി.രാധാകൃഷ്ണൻ B. സുകുമാർ അഴീകേംക
C. ജോസഫ് മുണ്ടേരി D. വള്ളത്താൾ
22. താഴെ തന്നിരിക്കുന്നതിൽ തെറ്റായ ജോടി എത്ര?
A. അശതി- പ്രകാശം പരത്തുന പെൺകുട്ടി.
B. പോക്കറ്റിക്കാരൻ- ഒരു മനുഷ്യൻ
C. സുരി നമ്പ്യാടിപ്പാട്-മാർത്താഞ്ച്യവർമ്മ.
D. അപ്പ്- ഓടയിൽ നിന്ന്
23. മലയാള ഭാഷയ്ക്ക് എറെ സംഭാവന നൽകിയ ചെരുഫേരി, തുംബത്ത് രാമാനുജൻ എഴുത്തച്ച ചരൻ, കുമാരൻ നമ്പ്യാർ എന്നിവർ എത്ര പേരിൽ അറിയപ്പെടുന്നു?
A. നവരത്നങ്ങൾ B. കവിത്രയം.
C. കവിക്കേസരികൾ D. കവിപ്പുശ്ചപമാല
24. ഉണ്മെ എന്ന വാക്ക് പിരിച്ചെഴുതിയാൽ?
A. ഉണ്മ + മ B. ഉൾ + മ
C. ഉ +ണ്മ D. ഉൻ +മ

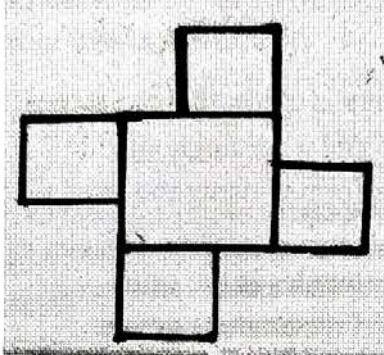
Part C
Mathematics (English Medium)

Question 25 to 34

25. Anil and Rasheed travel in opposite directions from one point to another at a speed of 60km/hr and 40km/hr respectively. After 75 minutes what will be the distance between them?

- A. A. 100 KM B. 120 KM
B. C. 125 KM D. 175 KM

26. Four equal small squares are drawn on each corner of a large square in the figures given below area of the figure is 61 squares centimeter. What is the perimeter of the figure



A. 32 cm B. 44 cm
C. 56 cm D. 37 cm

27. Appu is making rectangle with sides 9 cm and 6 cm. What is the minimum number of rectangles required to make a square by adding these?

- A. 6 B. 18
C. 9 D. 54
28. Find the remainder when $7^{21} + 7^{22} + 7^{23} + 7^{24} + 7^{25} + 7^{26}$ is divided by 5?
- A. 6 B. 1
C. 2 D. 4

29. The digit sum of squares of 2222 is -----

- A. 4 B. 8
C. 7 D. 1

30. By adding 10% of 9 and 1% of 9 we get----% of 99?

- A. 1% B. 11%
C. 99% D. 9%

31. 1

2	3	4						
5	6	7	8	9				
10	11	12	13	14	15	16		
17	18	19	20	21	22	23	24	25

.....
.....

Numbers are written as in the above form. In which row 626 occur?

- A. 14 B. 24
C. 25 D. 26

32. When $4\frac{1}{2}$ liters of water is poured in to a tank $\frac{2}{5}$ part of the tank is filled up. How much more water is required to fill the tank ?

- A. $1\frac{4}{5}$ litres B. $6\frac{3}{4}$ litres
C. $6\frac{1}{4}$ litres D. $4\frac{3}{4}$ litres

33. The digits 1, 2, 3, 4, 5, 6 are used to form 3 digit numbers without repetition. How many of them are multiple of 9?

- A. 36 B. 12
C. 18 D. 27

34. A string of length 25.5 meters is cut in to three pieces. A square of side 2.25 meters is formed first using one piece and a rectangle of side 2.5 meter and 1.75 meters is formed secondly. Finally a square is formed using the third piece. Which of the following is correct statement?

- A. The perimeter of all the rectangles is the same
B. The perimeter of the second rectangle is greater
C. The second rectangle has larger perimeter than the third rectangle
D. The third rectangle has a larger perimeter

Part D

English

Questions 35 to 44

Questions 35 – 37: Read the following passage and answer the questions that follow by choosing the right answer from the options given along with each question.

Airplanes have the reputation of being dangerous and even hardened travellers are intimidated by them. They also have the grave disadvantage of being the most expensive form of transport but nothing can match them for speed and comfort, travelling at a height of 30,000 feet, far above the clouds, and at over 500 miles an hour is an exhilarating experience. You do not have to devise ways of taking your mind off the journey, for an airplane gets you to your destination rapidly.

For a few hours, you settle back in a deep armchair to enjoy the flight. The real escapist can watch a free film show and sip a hot or cold drink on some services. But even when such refreshments are not available, there is plenty to keep you occupied. An airplane offers you an unusual breathtaking view of the world. You soar effortlessly over high mountains and deep valleys. You really see the shape of the land.

If the landscape is hidden from view, you can enjoy the extraordinary sight of unbroken clouds, plains that stretch out for miles before you while the sun shines brilliantly in a clear sky. The journey is so smooth that there is nothing to prevent you from reading or sleeping. However you decide to spend your time, one thing is certain: you will arrive at your destination fresh and uncrumpled. You will not have to spend the next few days recovering from a long and arduous journey.

35. Pick out the incorrect statement.

- A) An airplane moves at more than 500 miles an hour speed.
- B) One arrives crumpled at the destination after air journey.
- C) One can easily read or sleep during air journey.
- D) One can see the shape of land from an aero plane.

36. The exhilarating experience that the author talks about is

- A) Travelling at a height of 30000 feet
- B) Travelling above the clouds
- C) Travelling at a speed of more than 500 miles an hour
- D) All the above

37. The best advantage of air journey is that:

- A) You can watch a free film
- B) You can sip hot coffee or tea
- C) You can watch clouds
- D) You don't feel tired after the journey

Questions 38 – 40: Read the following poem and answer the questions that follow by choosing the right answer from the options given.

A Slumber did my Spirit Seal
William Wordsworth
A slumber did my spirit seal;
I had no human fears:
She seemed a thing that could not feel
The touch of earthly years.
No motion has she now, no force;
She neither hears nor sees;
Rolled round in earth's diurnal course,
With rocks, and stones, and trees.

38. What is the rhyme scheme of the first stanza?

 - A. abcd
 - B. aabb
 - C. abab
 - D. Free verse

39. What was she doing after her death?

 - A) coming to poet's dreams
 - B) was disturbing
 - C) moving here and there in the earth's course of rotation
 - D) all

40. What is the poem "A Slumber did my Spirit Seal" about?

 - A. the bird of a loved one
 - B. the death of a loved one
 - C. the wedding of a loved one
 - D. all of these above

Questions 41 – 44: Choose the right answer from the options given.

Part E
Basic Science (English Medium)
Questions 45 to 57

45. Which of the following is an incorrect pair?
- A. Hraswa - paddy B. Jyothika – Pea
C. Anamika - brinjal D. Mukthi – Tomato
46. Which is the correct statement?
- A. Leguminous plants can directly absorb atmospheric nitrogen.
B. Leguminous plants absorb Nitrogen gas dissolved in water.
C. leguminous plants convert nitrogen into nitrates.
D. Nitrogen is converted to nitrate by certain bacteria that live in the root modules of leguminous plants.
47. When we blow through lime water, it turns milky. Which of the following substances is formed during this time?
- A. Calcium hydroxide B. Calcium oxide
C. Calcium carbonates D. Calcium sulphate
48. What name is given to the plant that grows upon another plant merely for physical support without causing any harm to the host plant?
- A. Parasite B. saprophyte
C. Epiphyte D. Hydrophyte
49. Which is the cattle disease that threatens the very existence of human beings?
- A. Hoof disease B. Inflammation of the udder
C. Anthrax D. pullorum
50. The blood vessels that supply blood to the heart muscle.....?
- A. Lymph vessels B. Coronary artery
C. pulmonary artery D. Kidney veins
51. Which of the following is a substance used as a preservative?
- A. Sulfuric acid B. citric acid
C. monosodium glutamate D. Ammonium phosphate
52. Which mirror always forms smaller and virtual image of the objects?.
- A. Plain mirror B. Convex mirror
C. Concave mirror D. None of these.
53. Fossils can be found in which type of rocks
- A. Sedentary rocks B. Igneous rocks
C. Inflammatory rocks D. None of these.

54. Why is lime added in coagulation process as part of water purification process?

- A. To sediment solid matter present in water
- B. To reduce the pH value of water
- C. To reduce the acidic nature of water
- D. To destroy bacteria present in water

55. Where is Atmospheric pressure high in the following places?

- A. Above the mountains
- B. At Sea level
- C. Same atmospheric pressure feels everywhere.
- D. At the top of the atmosphere.

56. The mission that aims to send women to the moon?

- A. Chandrayaan 3
- B. Artemis Mission
- C. New Apollo Mission
- D. Tian Gong-3

57. Find out the example for the mode of heat transfer without the actual movement of molecules.

- A. The water in the pot heats up
- B. Hot air in the room rises upwards
- C. The person standing near the stove gets hot
- D. None of the above.

Part F
Social Science (English Medium)
Questions 58 to 70

58. Which are the countries that have considered hockey as their national game?
A. India, Bangladesh B. Pakistan, Canada
C. India, Pakistan D. Australia, India
59. Which state does not cross the tropic of cancer?
A. Meghalaya B. Meghalaya
C. chathisghad D. Jharghad
60. Which is the ratio of the Length and width of the national flag of India?.
A. 3:1 B. 4:2
C. 4:3 D. 3:2
61. Which is the river that crosses the capricone twice?
A. Kongo B. Sambasi
C. Nile D. Limpopo
62. Who designed the official emblem of Indian Rupee?
A. D. Udayakumar B. D. Padma Kumar
C. D. Vijayakumar D. V. Sarathkumar
- 63.. "Tob of sand" is the English translation of the Hindi book "RedhSamadhi" which won 2022 Booker prize. Who is the author of Redh Samadhi ?
A. Mannu Bandari B. Mahadevi Varma
C. Geethanjali Sree D. Premchand
64. In which state, the tourist places Kulu and Kangra are located?
A. Sikkim B. Himachal Pradesh
C. Uttarakhand D. Jharkhand
65. Aryasamaj was founded in?
A. 1885 B. 1993
C. 1873. D. 1875

66. Salt Satyagraha Day?

- A. May 29
- B. April 22
- C. April 13
- D. April -6

67. Gandhi Era of Indian National movement?

- A. 1905-1919
- B. 1885-1905
- C. 1919-1947
- D. 1985-1919

68. Who is the father of Renaissance?

- A. Petrarch
- B. Danthe
- C. Michel Anjelo
- D. Davinci

69. The agency which classifies economic activities is?

- A. Central statistical office
- B. Censes department
- C. Central Election Commission
- D. MHRD

70. Which among the following is the correct pair.

Table 1

- a. French East India company
- b. Dutch East India company
- c. English East India Company
- d. Portugues East India Company

Table 2

- 1. 1628
- 2. 1600
- 3. 1664
- 4. 1602

- A. a - 4, b - 1, c - 2, d - 3
- B. a - 3, b - 1, c - 2, d - 4
- C. a - 3, b - 4, c - 2, d - 1
- D. a - 3, b - 4, c - 1, d - 2