

# KSTU STATE COMMITTEE

Question Paper  
Booklt Sl. No.

## U.S.S. Model Examination - April 2023

Roll No.

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**PAPER - II**

### നിർദ്ദേശങ്ങൾ

നിർദ്ദേശങ്ങൾ വളരെ ശ്രദ്ധയോടെ വായിക്കുക

1. ഉത്തരങ്ങൾ എഴുതുന്നതിന് മുമ്പ് ചോദ്യങ്ങൾ ശ്രദ്ധാപൂർവ്വം വായിക്കണം.
2. പേപ്പർ രണ്ടിൽ **അമ്പത്തിയഞ്ച് (55)** ചോദ്യങ്ങൾ ഉണ്ടായിരിക്കും. എല്ലാ ചോദ്യങ്ങൾക്കും കുട്ടികൾക്ക് ഉത്തരമെഴുതാവുന്നതാണ്. **പാർട്ട് എ - ഇംഗ്ലീഷ്** 15 ചോദ്യങ്ങൾ. എല്ലാ ചോദ്യങ്ങൾക്കും ഉത്തരമെഴുതണം. **പാർട്ട് ബി - അടിസ്ഥാന ശാസ്ത്രം** 20 ചോദ്യങ്ങൾ (ശരിയായി ഉത്തരമെഴുതിയ 15 ചോദ്യങ്ങളുടെ മാർക്ക് മാത്രമേ പരിഗണിക്കുകയുള്ളൂ) **പാർട്ട് സി - സാമൂഹ്യശാസ്ത്രം - 20** ചോദ്യങ്ങൾ. (ശരിയായി ഉത്തരമെഴുതിയ 15 ചോദ്യങ്ങളുടെ മാർക്ക് മാത്രമേ പരിഗണിക്കുകയുള്ളൂ) (പേപ്പർ - II ആകെ ചോദ്യങ്ങൾ 55. ആകെ മാർക്ക് 45)
3. ഉത്തരങ്ങൾക്ക് നെഗറ്റീവ് മാർക്ക് (മൈനസ് മാർക്ക്) ഉണ്ടായിരിക്കുന്നതല്ല.
4. ഉത്തരമെഴുതുവാൻ ഒ.എം.ആർ. ഷീറ്റിലും, ചോദ്യപ്പേപ്പറിലും തന്നിട്ടുള്ള നിർദ്ദേശങ്ങൾ നിർബന്ധമായും അനുസരിക്കണമെന്ന് പരീക്ഷാർത്ഥികളെ അനുശാസിക്കുന്നു.
5. ഉത്തരങ്ങൾ എഴുതുന്നതിന് മുമ്പായി ഒ.എം.ആർ.ഷീറ്റിന്റെ മുകൾഭാഗത്തുള്ള കളങ്ങൾ പൂരിപ്പിക്കുക.
6. ഒ.എം.ആർ. ഷീറ്റിൽ ഉത്തരങ്ങൾ അടയാളപ്പെടുത്തുന്നതിന് നീല മഷിയോ, കറുപ്പ് മഷിയോ ഉള്ള ബോൾ പേയിന്റ് പേനകൾ മാത്രം ഉപയോഗിക്കുക.



**PAPER - II**  
**PART - A**  
**ENGLISH**

(15 Questions (Q. No. 1 - 15) Answer all the Questions)

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**Read the following passage carefully and answer the questions that follow.**

For the mobility - impaired, highly trained canines called 'service dogs' can pick up dropped keys, open and close drawers, retrieve prepared meals, help a person in and out of bathtub, dial 911, push and pull wheelchairs, help operate a car or van and pull off gloves, shoes, socks and jackets. Other dogs provide specific assistance to those who suffer seizures (sudden attacks of illness) and require special medication.

And, of course, the helping dogs provide companionship, play and give unconditional love to the people they assist. It is thirty odd years now since the placement of the first assistance dog. But only in recent years, with the rising independent movement among disabled people has the idea begun to spread widely. While most service dogs are trained to work with people who rely on wheelchairs, other categories of helping dogs include hearing dogs who alert their owners to sounds, such as doorbells, phones, cooking timers, alarm clocks, smoke alarms and seizure dogs which carry medication in their packs and are trained to dial 911 on large keypad phones.

1. The service-dogs were:  
A) paid highly  
B) less in number  
C) multiple taskers  
D) employees
2. The idea of assistance dogs became popular due to the :  
A) independent movement among the disabled  
B) awareness by the hospitals  
C) independence of the country  
D) both (A) and (C)
3. There is a difference between :  
A) the service dogs and the helping dogs  
B) the canines and ordinary dogs  
C) the serving dogs and canines  
D) both (B) and (C)
4. Give the noun form of "trained":  
A) train  
B) trains  
C) training  
D) trainee
5. Neetha usually ..... skirt and top.  
A) wear  
B) is wearing  
C) Wore  
D) wears
6. Rhyme that occurs within the line is known as.....  
A) couplet  
B) rhyming pair  
C) internal rhyme  
D) rhyming word
7. A..... of steps  
A) flight  
B) group  
C) bunch  
D) stack
8. Which sentence refers that an action is going on at the time of speaking.  
A) Hima works in Kochi  
B) Hima will work on Sundays  
C) Hima is working  
D) Hima worked last week.

9. Choose the correct one.
- |                                  |                                   |
|----------------------------------|-----------------------------------|
| A) Anu is one of my best friends | B) Anu is one of my best friend   |
| C) Anu are one of my best friend | D) Anu are one of my best friends |
10. Lightning danced across the sky. This sentence is an example for;
- |                    |             |
|--------------------|-------------|
| A) alliteration    | B) metaphor |
| C) personification | D) simile   |
11. I am feeling tired now. 'Let's call it a day'. Here, call it a day means;
- |                           |             |
|---------------------------|-------------|
| A) to telephone someone   | B) to stop. |
| C) to call someone loudly | D) to weep  |
12. What is the contracted form of 'Will not'?
- |            |                      |
|------------|----------------------|
| A) Willn't | B) Won't             |
| C) wiln't  | D) none of the above |

**Read the poem carefully and answer the questions that follow.**

**The crocodile**

**Lewis Carroll**

How doth the little crocodile  
 Improve his shining tail,  
 And pour the waters of the Nile  
 On every golden scale!  
 How cheerfully he seems to grin  
 How neatly spreads his claws,  
 And welcomes little fishes in,  
 With gently smiling jaws!

13. Identify the rhyme scheme followed in the poem.
- |             |             |
|-------------|-------------|
| A) ababcdcd | B) aabbccdd |
| C) abcbedcd | D) abccddcc |
14. Where might the little crocodile live ?
- |                |                |
|----------------|----------------|
| A) in the sea  | B) in the pond |
| C) in the Nile | D) in the den  |
15. The crocodile shows its gently smiling jaws to
- |                              |                           |
|------------------------------|---------------------------|
| A) to catch the prey         | B) to welcome his friends |
| C) to catch other crocodiles | D) to greet little fishes |

**PAPER - II**  
**PART - B**  
**BASIC SCIENCE**

(20 Questions (Q. No. 16 - 35 )

(The marks of correctly answered 15 questions only will be considered)

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16. We can see a transparent glass. Why?
- A) Glass completely reflects the light that falls on it
  - B) It reflects a small portion of light that falls on it.
  - C) Absorbs light completely
  - D) Because the glass has thickness
17. The source of light used in a microscope to get light on the slide?
- A) Concave lens
  - B) Convex lens
  - C) Concave mirror
  - D) Convex mirror
18. Pick the correct statement from the following
- A) All metals are good conductors of electricity
  - B) Electric conductors are metals
  - C) All metals are not conductors
  - D) The electric conductivity of all metals same.
19. When acid and alkali react, sodium chloride and water is formed. Which is the acid ?
- A) Sulphuric acid
  - B) Hydrochloric acid
  - C) Nitric acid
  - D) Acetic acid
20. Choose the correct statement related to respiration?
- A) Oxygen level is higher in the inhaled air and less in in exhaled air.
  - B) Oxygen level is lower in the inhaled air and higher in the exhaled air.
  - C) The amount of carbon dioxide is higher in the inhaled air and lower in the exhaled air.
  - D) Nitrogen level is higher in inhaled air and lower in exhaled air.
21. Cooked vegetables have lower nutritional value than uncooked vegetables. Which method is most suitable to find out this?
- A) Compare the weight of vegetables before and after cooking.
  - B) Compare the color of vegetables before and after cooking
  - C) Find and compare the acidity of vegetables before and after cooking.
  - D) Find and compare the amount of vitamins in vegetables before and after cooking
22. Suppose we are standing on a railway platform. As the train passes by, we feel a slight forward movement from where we are standing. Which peculiarity of the air is indicated here?
- A) Air causes pressure.
  - B) The pressure of the moving air is low.
  - C) Pressure is felt everywhere.
  - D) Air force on the unit area.
23. Which statement is not related to Bernoulli's Principle.
- A) Take off aeroplanes
  - B) Parachute descends.
  - C) The roof of buildings rising up when a strong wind blows
  - D) A person stand on a Platform near a fast moving train pulls towards the train.

24. At noon water in the deeper areas of a pond is cooler than that at the top.why?  
 A) The pond is shallow.  
 B) The heat that reaches the bottom is transmitted to soil.  
 C) Sun rays do not pass through water.  
 D) Water does not transmit heat from top to bottom
25. Which statement is correct regarding to custard apple plant?  
 A) Multiple fruits are formed from one ovary  
 B) Non ovarian growth“  
 C) Many fruits combined to make it look like a single fruit  
 D) Formed from the inflorescence
26. What will be the most important problem we will face in the absence of microorganisms like bacteria and fungi?  
 A) Soil nutrients are depleted  
 B) Biowastes will not decompose“  
 C) Spread of diseases  
 D) Food spoil quickly
27. Soak cotton in a glass and place some pea seeds on top of it. What is the conclusion that can be arrive from this experiment?  
 A) Air is not required for seed germination  
 B) Sunlight is not required for seed germination  
 C) Water is not required for seed germination  
 D) Soil is not required for seed germination
28. World Health Day  
 A) August 7  
 B) July 7  
 C) May 7  
 D) April 7
29. Correct one is .....
- A) 

N	S
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S	N
---	---
- B) 

N	S
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S	N
---	---
- C) 

N	S
---	---

 ← → 

S	N
---	---
- D) 

N	S
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S	N
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30. Deficiency of Vitamin A leads to .....
- A) Scurvey  
 B) Goitre  
 C) Anaemia  
 D) Night Blindness
31. Coagulation is one of the main steps in water purification. The process involves?  
 A) Sedimentation of Solid particles  
 B) Water becomes free from microbes  
 C) Water gets filtered  
 D) Oxygen content of water increases

32. Soil test result are given in the table below. Analyse them and find out the incorrect statement

Soil Type	Biomes	Air content	Water holding capacity
Laterite soil	More	Average	Average
Sandy Soil	Less	More	Less
Clay Soil	Average	Less	More

- A) Clay soil is suitable for agriculture.  
B) Air content of sandy soil is more  
C) The soil with less water holding capacity has less amount of biomes  
D) Laterite soil is more fertile
33. What may be the reason for a person feels hot while standing under a hot aluminum sheet?  
A) Conduction  
B) Convection  
C) Radiation  
D) Capillary force
34. Which of the following is not a chemical change  
A) Melting of candle  
B) Heating sugar  
C) Heating Naphthalene  
D) Heating potassium permanganate
35. Which of the following is a first-aid measure to safely dislodge objects stuck in the “ Trachea?”  
A) Give artificial respiration  
B) Apply splint  
C) Give water to drink  
D) Heimlich process

**PAPER - II**  
**PART - C**  
**SOCIAL SCIENCE**

(20 Questions (Q. No. 36 - 55 )

(The marks of correctly answered 15 questions only will be considered)

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36. Who prepared an atlas by combining many maps ?  
A) Merkenter  
B) Lorenzo Gibrty  
C) Abraham Ortilins  
D) Plato
37. Largest plateau of India ?  
A) Malwa plateau  
B) Deccan plateau  
C) Kathiyawar plateau  
D) Patagonian plateau
38. Who invented the printing press ?  
A) Johannas Guttenberg  
B) Marconi  
C) Marie Curie  
D) Jhon L biard
39. Which island is Indias active volcano ?  
A) Minicoy island  
B) Anthroth island  
C) Great Nicobar island  
D) Barren island
40. Which is the brightest planet ?  
A) Venus  
B) Uranus  
C) Neptune  
D) Earth
41. Which of the following is Rabi crops ?  
A) Rice  
B) Maize  
C) Millet  
D) Wheat
42. Who is Known as Indian Neppolean ?  
A) Alawudheen khilji  
B) Sardar Patel  
C) Samudra Gupta  
D) Prithi raj chauwan
43. Which of the following is known as fourth estate in Democracy ?  
A) News paper  
B) family  
C) People  
D) Lokha sabha
44. Which is the Largest fresh water lake in Kerala ?  
A) Wembanad  
B) Shastamkotta  
C) Uppala  
D) Kayamkulam
45. Imaginary circles drawn parellel to the equater are called ?  
A) longitudes  
B) tropc of cancer  
C) Latitudes  
D) Greenwhich
46. Who is Known as father of Renaissance ?  
A) Martin Luther  
B) Aristotle  
C) Plato  
D) Petrarch
47. In which Year Vasco da gama landed at Kappad near Calicut  
A) 1498  
B) 1453  
C) 1497  
D) 1519
48. Bhimbedka cave paintings are found in which state ?  
A) Andra Predesh  
B) Madhyapradesh  
C) Telunkana  
D) Arunachal pradesh



49. Who wrote Don Quixote ?  
A) Davinchi  
C) Dante  
B) Cerventes  
D) Erasmus
50. Who was the first Mughal Empire ?  
A) Akbar  
C) Babar  
B) Bahadursha 2  
D) Shajahan
51. Which is the second smallest river in Kerala ?  
A) Mancheswaram river  
C) Kabani river  
B) Ramapuram river  
D) Ayiroor river
52. Who started the construction of Agra fort ?  
A) Akbar  
C) Ilthumish  
B) Shajahan  
D) Babar
53. Study of coins is known as ?  
A) Filately  
C) Ornithology  
B) Numis Matics  
D) Iktheology
54. Which state is most populated state in India ?  
A) Rajasthan  
C) Uttarpredesh  
B) Bihar  
D) West Bengal
55. Political father of Mahatma Gandhi ?  
A) Vinobha bhavai  
C) Subhash chandra bose  
B) Jawaharlal Nehru  
D) Gopalakrishna Gokhale