



# K P S T A STATE ACADEMIC COUNCIL

## USS Model Examination -2025

### PAPER II

Time : 1.30hrs

English, Basic science, Social Science

Total Marks : 45

### INSTRUCTIONS

Candidates are advised to read the instructions given in the cover pages of Question Booklet and in the OMR Sheet very carefully.

1. There is 'cool off time' of 15 minutes in addition to the writing time of 105 hrs.
2. You are not allowed either to write the answer or to discuss anything with others during the "cool off time".
3. Use the 'cool off time' to get familiar with question and to plan your answers.
4. In paper II there are 55 questions. Among these answer 45 questions. Part A English 15 questions- answer all questions. Part B Basic Science – 20 questions- answer any 15 questions, Part C – Social science – 20 questions answer any 15 questions
5. There will be no negative marks
6. For answering questions, candidates are advised to follow instructions strictly given in the question paper and on the OMR Sheet
7. Fill in all entries on the top part of the OMR sheet before beginning to answer questions.
8. Use only Blue/Black Ball point Pen for answering questions on OMR answer sheet.
9. No, identification mark, other than where asked for, OMR answer sheet, is permitted. If done so, the OMR answer sheet is liable to be treated as cancelled.
10. Don't use back side of OMR answer sheet for rough work. For rough work use only the pages marked as rough work in the question paper booklet.
11. The candidate must return the answer sheet (OMR) to the invigilator before leaving the examination centre.
12. If you darken more than one circle, your answer will be treated wrong.
13. Cutting or overwriting in any box provided for answering question will be deemed to be an incorrect answer.
14. Don't rub, erase, cut, fold or overwrite on the OMR answer sheet.
15. Pen marking once made is final.
16. Use of white fluid or any other correction fluid to erase the pen marking once made is not permitted
17. In case of improper bubbling/erasing/whitening etc. the reading of the OMR machine will be taken as final and any arguments to defend which action will not be entertained.
18. Since the sheet will be processed by a machine, write and mark the circles in the appropriate space only.

Signature of Candidate

Signature of the Invigilator

**Paper -II**  
**Part-A ENGLISH**

Questions 1 to 4 : Read the following passage and answer the questions .

Dr. Wangari Muta Maathai from Kenya was awarded the Nobel Prize for her work in development, environmental protection and peace in 2004. Dr. Maathai, a university professor by profession was an environmental activist and politician.

She was the first African woman to win the Nobel prize for peace .

Dr. Maathai is quite assertive as a leader of the African women. She introduced the idea of planting trees to save the environment. She organized a group of women called Green Belt movement to plant trees. More than 30 million trees have been planted. They are now helping to protect the environment by providing ground water, causing more rainfall and retaining water. These trees also provide material benefits including firewood, fruits, nuts and building materials for the women and their families.

1. Green Belt Movement in Kenya encourages \_\_\_\_\_  
(a) Political Strikes (b) building schools  
(c) Planting trees (d) None of the above
2. As a leader Dr. Wangari Muta Maathai is \_\_\_\_\_  
(a) assertive (b) accommodative (c) envious (d) reliable
3. By profession Dr. Wangari Muta Maathai was a \_\_\_\_\_  
(a) physician (b) University professor (c) Journalist (d) activist
4. What rare honour does Dr. Wangari Muta Maathai have as an African ?  
(a) She is the first African woman to become an environmentalist.  
(b) She is the first African woman to become a university professor.  
(c) She is the first African woman to become a politician.  
(d) She is the first African woman to become the winner of Nobel peace prize.

**Choose the right answer from the options given**

5. The girl \_\_\_\_\_ lives next door is my friend.  
(a) who (b) which (c) that (d) whom
6. When I saw him, he \_\_\_\_\_ playing cricket.  
(a) is (b) was (c) am (d) have
7. I wish I \_\_\_\_\_ a peacock.  
(a) were (b) was (c) am (d) have
8. If he had played well, he \_\_\_\_\_ the match.  
(a) will win (b) could win (c) can win (d) could have won
9. "The trees laughed in the wind" – is an example of  
(a) Simile (b) Metaphor (c) Hyperbole (d) Personification

10. This is the place \_\_\_\_\_ I saw him yesterday.  
 (a) Which (b) Whom (c) Where (d) What
11. I have known her \_\_\_\_\_ five years and we have been friends \_\_\_\_\_ 2000.  
 (a) for, since (b) in, from (c) since, for (d) by, from
12. In the discussion, the chairman raised his \_\_\_\_\_ argument.  
 (a) strong (b) deep (c) hasty (d) quick

Read the following poem and answer the questions

The world is too much with us -

The world is, too much with us, late and soon,  
 Getting and spending, we lay waste our powers;  
 Little we see in nature that is ours;  
 We have given our hearts away, a sordid boon !  
 This sea that bares her bosom to the moon;  
 The winds that will be howling at all hours,  
 And are up-gathered now like sleeping flowers;  
 For this, for everything, we are out of tune,  
 It moves us not. Great God I 'd rather be  
 A pagan suckled in a creek outworn;  
 So might, I standing on this pleasant lea,  
 Have glimpses that would make me less forlorn;  
 Have sight of Proteus rising from the sea;  
 Or hear old Triton blow his wreathed horn.

13. What does the poem compare the wind to ?  
 (a) Screaming roars (b) rain  
 (c) sleeping flowers (d) birds singing
14. In which line does the speaker suggest that we are concerned with materials ?  
 (a) It moves not. Great God ! I 'd rather be,  
 (b) The winds that will be howling at all hours,  
 (c) So might I, standing on this pleasant lea  
 (d) Getting and spending, we lay waste our powers :
15. Identify the rhyme scheme of the poem  
 (a) abba abba cdcdcd (b) abab abab abab  
 (c) abcd abcd abcd (d) abca abca abca

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

16. Acid without hydrogen?  
A. Acetic acid  
C. Hydrochloric acid  
B. Sulfuric acid  
D. None of the above
17. What is the characteristic of the gas produced when an acid reacts with a metal?  
A. Extinguishes fire  
C. Denser  
B. Flammable  
D. Supports combustion
18. What is used to identify both acids and bases simultaneously?  
A. Universal indicator  
C. Kerosene  
B. Water  
D. None of the above
19. Airport fully operated by solar energy?  
A. New Delhi International Airport  
C. Chennai International Airport  
B. Cochin International Airport  
D. Mumbai International Airport
20. The process of organisms ingesting and utilizing food is called?  
A. Nutrition  
C. Digestion  
B. Photosynthesis  
D. Absorption
21. Find the odd one out.  
A. Venus flytrap  
C. Pitcher plant  
B. Pine trees  
D. Sundew plant
22. Which blood cell helps in blood clotting?  
A. Red blood cells  
C. Platelets  
B. Neutrophils  
D. Monocytes
23. Find an example of an internal parasite  
A. Fingers  
C. Fungus  
B. Pain  
D. Honeyb
24. What is the chemical name of Ajinomoto?  
A. Sodium sulfate  
C. Monosodium glutamate  
B. Polyvinyl chloride  
D. Zinc phosphide
25. Why is aeration done in water purification plants?  
A. To increase oxygen levels  
C. To disinfect the water  
B. To reduce carbon dioxide levels  
D. All of the above
26. The branches of the trachea are called?  
A. Lungs  
C. Bronchi  
B. Bronchioles  
D. Pleura
27. Which of the following statements is incorrect?  
A. Air is a transparent material  
B. Soil is a transparent material  
C. Cloudy water is a translucent material  
D. Cardboard is a translucent material
28. Which statement is not applicable to a plane mirror?  
A. Reflects light  
B. Causes scattering of light

- C. Produces lateral inversion  
D. The size of the object and the size of the image are equal
29. Device used in submarines?  
A. Kaleidoscope B. Telescope  
C. Binoculars D. Periscope
30. Why does light enter a room during the daytime?  
A. Regular reflection B. Diffused reflection  
C. Lateral inversion D. Refraction
31. The respiratory diversity of some organisms is given below. Which is correct?  
A. Earthworm - Moist skin B. Fish - Book lungs  
C. Frog – Gills D. Spider - Lungs on land, moist skin in water
32. How does heat from the sun reach the earth?  
A. Conduction B. Convection  
C. Radiation D. None of the above
33. What does the green circle on food packets indicate?  
A. Use of plant-based ingredients B. Use of non-vegetarian ingredients  
C. Indicates added preservatives D. None of the above
34. In what sequence does a solar eclipse occur?  
A. Earth, Moon, Sun B. Moon, Earth, Sun  
C. Earth, Sun, Moon D. Moon, Sun, Earth
35. Which statement about incisors is correct?  
A. Helps to chew food B. Helps in digesting food  
C. Helps to cut food D. Helps to swallow food

## PAPER II

### **PART C SOCIAL SCIENCE**

36. Which work provides complete details about the Mughal Empire during Akbar's reign?  
a) Ain-i-Akbari b) Siyu-ki c) Kitab-ul-Hind d) Amuktamalyada
37. In the Vijayanagara Empire, what does "Nadus" refer to?  
a) Regions b) Provinces c) Districts d) Villages
38. What is the term used for the ideas developed through discussions in the Anubhava Mantapa?  
a) Concepts b) Spiritual elements c) Knowledge d) Teachings
39. The system where power is divided between the center and the states is known as:  
a) Division of Power b) Federalism  
c) Rule of Law d) Directive Principles of State Policy
40. Who is known as the "Father of the Lok Sabha"?  
a) Dr. S. Radhakrishnan b) Charles Dias  
c) G.V. Mavlankar d) Indrajit Gupta
41. Which agricultural method requires high capital investment?  
a) Mixed Farming b) Plantation Farming

- c) Commercial Farming                      d) Subsistence Farming

42. In which year was the Right to Information Act enacted?  
a) 2005                      b) 2009                      c) 2002                      d) 2008

43. Which state first prepared a water map?  
a) Kerala                      b) Tamil Nadu                      c) Karnataka                      d) Odisha

44. What is the process of producing goods and services to meet human needs called?  
a. Product                      b. Production                      c. Sale                      d. Trade

45. Who is known as the architect of rural banks?  
a. Gandhiji                      b. Nehru                      c. Rajiv Gandhi                      d. Muhammad Yunus

46. Which are considered non-developmental expenditures?  
1. Road                      2. Bridge                      3. Port                      4. School                      5 Airport  
a . 1, 2                      b. 1,3                      c. 3,4                      d. All of these

47. In which year did Bartolomeu Dias reach the Cape of Good Hope?  
a. 1488                      b. 1590                      c. 1498                      d. 1490

48. The Boers belong to the descendants of which nations?  
a . Netherlands                      b. France                      c. Germany                      d. All of the above

49. Which was India's first port under public-private partnership?  
a. Kochi                      b. Vizhinjam                      c. Marmagao                      d. Tuticorin

50. Which district was known as Purakkizhinadu in ancient times?  
a. Palakkad                      b. Wayanad                      c. Thrissur                      d. Kottayam

51. When maps are enlarged or reduced, which method ensures proportional scaling?  
a. Linear Method                      b. Fractional Method  
c. Statement Method                      d. None of these

52. Which article of the Constitution mentions the formation of Panchayats?  
a. 42                      b. 44                      c. 45                      d. 40

53. What was chosen as the emblem of the Constituent Assembly?  
a. Tiger                      b. Lion                      c. Elephant                      d. Horse

54. Which of the following is not included in the Concurrent List?  
a. Marriage                      b. Criminal Law  
c. Cruelty to Animals                      d. Public Health

55. Which city was built by Krishnadevaraya?  
a. Nagalapur                      b. Raichur                      c. Bijapur                      d. Bidar