



കേരള സ്കൂൾ ടീച്ചേർസ് അസോസിയേഷൻ (KSTA)

Question Booklet No. 670001

വിദ്യാഭ്യാസം

സമഗ്ര വിദ്യാലയ വികസന പരിപാടി

USS MODEL EXAMINATION - 2020 FEBRUARY 15

SET A

Maximum : 45 Scores

PAPER - II

Time : 1½Hrs

ENGLISH (PART - A)

- * Questions 1-15. Answer all the questions. Each question carries 1 score.
- * Use only Blue or Black ball pen to fill the OMR Sheet.

I. Read the following passage and answer the questions.

Marie curie was one of the most accomplished scientists in History. Together with her husband, Pierre, she discovered radium, an element widely used for treating Cancer, and also studied about uranium and other radio active substances. Pierre and Marie's amicable collaboration later helped to unlock the secrets of the atom.

Marie was born in 1867 in Warsaw, Poland, where her father was a professor of Physics. At an early age, she displayed a brilliant mind and a blithe personality. Her great exuberance for learning promoted her to continue with her studies after high school. However, she became disgruntled, when she learned that the University in Warsaw was closed to women. Determined to receive a higher education, she defiantly left Poland and in 1891 entered the Sorbonne, a French university, where she earned her master's degree and doctorate in Physics.

Marie was the first woman to be given a professorship at the world famous university. In 1911 she received the Nobel Prize in Chemistry for isolating radium. Although Marie Curie eventually suffered a fatal illness from her long exposure to radium, she never became disillusioned about her work. Regardless of the consequences, she had dedicated herself to Science and to reveal the mysteries of th Physical world.

1. The Curie's'_____ collaboration helped to unlock the secrets of the atom.
 - a) friendly b) competitive c) courteous d) industrious
2. Marie had a bright mind and a _____ personality.
 - a) strong b) light hearted c) humourous d) strange
3. When she learned that she could not attend the university in Warsaw, she felt_____
 - a) hopeless b) annoyed c) worried d) None of the above
4. Eventhough she became fatally ill from working with radium, Marie Curie was never_____
 - a) troubled b) sorrowful c) disappointed d) disturbed
5. Which element is widely used in cancer treatment ?
 - a) Uranium b) Barium c) Polonium d) Radium

II Choose the appropriate answer to complete the following sentences.

6. Who is going to_____ the child while you are away ?
 - a) look on b) look forward c) look for d) look after

7. If anyone calls, tell them _____ at home.
 a) I was not b) I have not been c) I am not d) I had not been
8. _____ happens, I will support my friend.
 a) Whoever b) Whatever c) which ever d) however
9. We wish we _____ visit China.
 a) have b) were c) can d) could
10. I wandered lonely as a cloud
 That floats on high o'er vales and hills,
 When all at once I saw a crowd
 A host, of golden daffodils,
 Beside the lake, beneath the trees,
 Fluttering and dancing in the the breeze.
 What is the rhyming scheme of the poem?
 a) aabbcc b) abaacc c) ababcc d) aaccbb

Read the following poem and answer the questions.

As a white candle
 In a holy place,
 So is the beauty
 Of an aged face
 As the spent radiance
 Of the winter sun,
 So is a woman
 With her travail done.
 Her brood gone from her,
 And her thoughts as still
 As the Waters
 Under a ruined mill

11. The subject of the poem is _____
 a) Beauty of youth b) Beauty of Middle age
 c) Beauty of old age d) Beauty of a white candle.
12. The word 'radiance' means
 a) Beauty b) Shining brightly c) Morning d) Cold
13. The aged face is compared to
 a) setting sun b) a white candle in a holy place
 c) rising sun d) mid day
14. Which is not the synonym of the word 'destination'
 a) target b) early morning c) landing place d) aim
15. Choose the correct synonym for the underlined word
 The tardy arrival of John delayed the function.
 a) easy b) fast c) late d) morning

BASIC SCIENCE (PART - B)

* For questions from 16-35 answer any 15. Each questions carries 1 score.

* Use only Blue or Black ball pen to fill the OMR Sheet.

16. Which day is observed as World Wetland Day ?
a. February 2 b. September 16
c. August 6 d. June 5
17. The study of diseases is known as
a. Entomology b. Anatomy
c. Pathology d. Neurology
18. Which of the following statements is correct?
a. All flowers in a unisexual plant are unisexual.
b. All plants having unisexual flowers are unisexual plants.
c. Only self pollination takes place in unisexual flowers.
d. In a monoecious plant only bisexual flowers are seen.
19. The names of few crops are given. Select the correct pair
a. Capsicum - Bhagyalakshmi
b. Brinjal - Arunima
c. Cucumber - Sakthi
d. Ladies finger - Priya
20. P^H Value of a substance is 4. Which is that substance?
a. Ammonia b. Baking powder
c. Sea water d. Tomato
21. Insectivorous plants feed on insects. The reason for this is
a. They are carnivorous b. They grow in nitrogen deficient soil
c. Due to lack of chlorophyll d. They need body fluid of insects for flowering
22. The abbreviation LED stands for
a. Light Energy Device b. Light Energy Diode
c. Light Emitting Diode d. Light Emitting Device
23. Soil test result are given in the table below. Analyse them and findout 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
24. Soil less agriculture method is known as
- a. Apiculture b. Pisciculture
 - c. Geoponics d. Hydroponics
25. 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
26. What is wrong in the given circuit diagram?



- a. Arrangement of cells b. Position of bulb
 - c. Position of switch d. Position of fuse
27. Annular solar eclipse was visible to us on 26th December 2019. When will it be visible to us again ?
- a. 2031 May 31 b. 2031 May 21
 - c. 2031 May 11 d. 2031 May 10
28. Goiter is caused by the deficiency of _____
- a. Vitamin A b. Iron
 - c. Calcium d. Iodine
29. A pencil that is immersed in a glass of water seems as bent. Which feature of light is the reason for this?
- a. Diffraction b. Regular Reflection
 - c. Diffuse reflection d. Refraction
30. Which of the following contains sulfenic acid?
- a. Lemon b. Onion
 - c. Gooseberry d. Tomato

31. Name the instrument used to measure atmospheric pressure ?
- Anemometer
 - Barometer
 - Manometer
 - Thermometer
32. Energy conversion taking place in dynamo is
- Mechanical energy is converted into electric energy.
 - Electric energy is converted into mechanical energy
 - Mechanical energy is converted into light energy
 - Heat energy is converted into light energy
33. When a solid object is heated, what happens to the speed of its molecules?
- speed increases
 - speed decreases
 - No change in speed
 - speed first increases and then decreases.
34. Sabin vaccine is used to prevent which disease?
- Corona virus
 - Polio virus
 - HIV
 - Rabies virus
35. India going to launch Gaganyaan. Its major aim is?
- Carry human beings to outer space
 - Safe landing in Moon
 - To make weather forecasting effective
 - To carry out expedition in Mars

SOCIAL SCIENCE (PART - C)

- * Questions 36-55. Answer any 15 questions. Each question. carries 1 score.
- * Use only Blue or Black ball pen to fill the OMR Sheet.
36. Name the renaissance artist who made the sculpture "Gattamelita"
- Donatello
 - Lorenze Giberti
 - Michaelangelo
 - Leanardo Davinchi
37. The thought that gave importance to human life
- Renaissance
 - Rationalism
 - Humanism
 - Enlightenment
38. The Study and Practice of making maps is known as :
- Seismology
 - Seismography
 - Cartography
 - Seismograph
39. The deepest Trench in Indian Ocean is
- Challenger
 - Java
 - Lithice
 - puertorica

40. The year of Malabar Rebellion
 a) 1920 b) 1921 c) 1930 d) 1931
41. The newspaper started by the social reformer Annie Besant is
 a) Gulamgiri b) Udbodhanam
 c) Sambat kaumudi d) Common wheel
42. Which among the following is not related to swadeshi movement
 a) It was against partition of Bengal
 b) Picketing of shops selling foreign goods
 c) Boycotting of foreign goods
 d) Boycotting of swadeshi goods
43. Arrange the following in chronological order
 1) Guruvayoor Sathyagraha 2) Salt Sathyagraha
 3) Vaikkam Sathyagraha 4) Champaran Sathyagraha
 a) (1), (2), (3), (4) b) (1), (3), (4), (2)
 c) (4), (3), (2), (1) d) (3), (2), (1), (4)
44. The place where Pazhassi memorial is situated
 a) Kozhikkode b) Kottayam
 c) Mananthavady d) Mavilathode
45. Which among the following is not related to the first war of Indian Independence
 a) Kanpur - Nana Saheb, Tantia Topi
 b) Lucknow - Begam Hasrat Mahal
 c) Faislabad - Kanvar Singh
 d) Jhansi - Rani Lakshmi Bai
46. The imaginary lines drawn in maps connecting places having the same atmospheric pressure.
 a) Isobars b) Isotherms
 c) Isobelt d) Longitude
47. The year in which Food Security Act was passed.
 a) 2011 b) 2012 c) 2013 d) 2014
48. The regions in India where British got control as a result of Mysore Wars :-
 a) Jhansi, Satara, Nagpur b) Malabar, Coorg
 c) Karnatic regions d) Hyderabad, Indore, Tanjavoor
49. The country having unwritten constitution
 a) Australia b) India c) Brazil d) Britain

50. The solar energy which enters upon the earth's surface in the form of solar rays is called as
a) Conduction b) Convection
c) Insolation d) Terrestrial radiation
51. Which is the position of India in size among World Countries
a) 5 b) 3 c) 8 d) 7
52. The amount of pure water in earth
a) $\frac{1}{3}$ part b) $\frac{2}{3}$ part c) 1% d) 3%
53. Fundamental Rights is included in which part of our constitution
a) Part IV b) Part III c) Part IV A d) Part III A
54. The Govt. Scheme that provides 10 kgms of rice per month to persons above the age of 65 and having no income.
a) Annapurna
b) National rural livelihood mission
c) Mahatma Gandhi rural employment guarantee scheme
d) Swarna Jayanthi Shahari Rosgar Yojana
55. Identify the matching pairs
a) Vedadhikara Niroopanam - Chattambi Swamikal
b) Adukkalayil ninnu arangathekku - Sree Narayana Guru
c) Muslim Aikya Sangam - Poykayil Sri Kumara Gurudevan
d) Samathwa Samajam - Ayyankali

ROUGH WORK
