

U.S.S. Examination - April, 2023

Roll No.

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Paper - II

Part - A

Question Paper Code	Area/Subjects	No. of Questions	Sl. No. of Questions	Sl. No. of Pages
704 E	English	15	1 to 15	3 to 4

Space for Rough Work - Page No. : 2 and 5

Instructions - Page No. : 1 and 6

INSTRUCTIONS

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

- There is a "cool off time" of 20 minutes in addition to the writing time of 2 hours. During the time the candidate should not write the answer or communicate with others. Read the questions very carefully before writing the answers.
- Paper I, Part (A) First language (AT) has 15 questions. Students should answer all the questions.
 - Paper I, Part (B) First language (BT) has 15 questions (Marks of 10 questions with correct answer only will be considered).
 - Paper I, Part (C) mathematics has 20 questions. Students should answer all the questions.
 - Paper II, Part (A) English has 15 questions. Students should answer all the questions.
 - Paper II, Part (B) Basic Science, Part (C) Social Science have 20 questions each. Out of which correct answer of 15 questions each from Part (B), Part (C) shall be considered.
- There will be no negative marks. For answering questions, candidates are advised to follow instructions strictly given in the Question Paper and on the OMR Answer Sheet.
- Fill in all the entries on the Top part of the OMR Sheet before beginning to answer questions.
- Use only Blue/Black Ball Point Pen for answering questions on OMR Answer Sheet.

Question Numbers 1 to 15

Questions 1 to 4. Read the following passage and answer the questions below, choosing the correct answer from the options given.

On her arrival in India, Mother Teresa began by working as a teacher; however, the widespread poverty of Calcutta made a deep impression on her, and this led to her starting a new order called "The Missionaries of Charity". The primary objective of this mission was to look after people, who nobody else was prepared to look after.

She experienced two particularly traumatic periods in Calcutta. The first was the Bengal Famine of 1943 and the second was the Hindu/Muslim Violence in 1946, before the partition of India. In 1948, she left the convent to live full-time among the poorest of Calcutta. She chose to wear a white Indian sari, with a blue border, out of respect for the traditional Indian dress. For many years, Mother Teresa and a small band of fellow nuns survived on minimal income and food, often having to beg for funds. But, slowly her efforts with the poorest were noted and appreciated by the local community and Indian politicians.

1. Which is the second traumatic period mentioned in the passage ?
 (A) The Bengal Famine of 1943
 (B) The Hindu/Muslim Violence in 1946
 (C) Leaving the convent in 1948
 (D) None of the above
2. Why did Mother Teresa leave the convent ?
 (A) To fight against Hindu/Muslim violence
 (B) To wear an Indian sari
 (C) To start a new order
 (D) To live full-time among the poorest

3. What led Mother Teresa to start 'The Missionaries of Charity' ?
 (A) To fight against the trauma
 (B) To work as a teacher
 (C) To look after those who have no one to look after
 (D) To recover from the widespread poverty
4. Pick out the word that means 'to continue to live or exist, in spite of danger or hardship'.
 (A) survive
 (B) traumatic
 (C) appreciate
 (D) violence

Questions 5 to 12. Pick out the right answer from the options given.

5. I have been searching _____ a job _____ 2000.
 (A) for, since
 (B) in, from
 (C) since, for
 (D) by, from
6. The woman was attacked by a _____ of wolves.
 (A) herd
 (B) gang
 (C) flock
 (D) pack
7. The phrasal verb of 'postpone' is :
 (A) put off
 (B) call off
 (C) give off
 (D) turn off

8. _____ the weather was bad, we enjoyed the trip.
 (A) So
 (B) Although
 (C) When
 (D) None of these
9. The grapes are now _____ enough to be picked.
 (A) ready
 (B) mature
 (C) ripe
 (D) bold
10. My friends and I _____ at the bus stop.
 (A) meet
 (B) meets
 (C) meeting
 (D) have meet
11. He is the person _____ saved the child.
 (A) which
 (B) whom
 (C) who
 (D) what
12. "Life is a broken-winged bird,
 That cannot fly." - is an example for :
 (A) Simile
 (B) Metaphor
 (C) Hyperbole
 (D) Personification

Questions 13 to 15. Read the following lines and answer the questions that follow choosing the right answer from the options given below.

The World Is Too Much With Us

William Wordsworth

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 creed 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. Identify the rhyme scheme of the poem ?
 (A) abba abba cded
 (B) abab abab abab
 (C) abcd abcd abcd
 (D) abca abca abca
14. What does the poem compare the wind to ?
 (A) screaming roars
 (B) rain
 (C) sleeping flowers
 (D) birds singing
15. In which line does the speaker suggest that we are concerned with materials ?
 (A) It moves us 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

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Part - B

Basic Science (English Medium)

Question Numbers 16 to 35

16. Find out the **correct** statements regarding the components of inhaled and exhaled air :

17. Which one of the following is **not** a logo related to ensure the quality of food products ?

(1) The oxygen content in inhaled air is less than that in exhaled air.

(A)



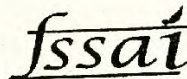
(2) The amount of carbon dioxide in inhaled air is more than that in exhaled air.

(B)



(3) The amount of oxygen in inhaled air is more than that in exhaled air.

(C)



(4) The nitrogen content in exhaled air is less than that in inhaled air.

(D)



(5) The amount of water vapour is less in inhaled air than that in exhaled air.

(A) statements (1) and (2)

18. Which part of the brain controls integrated movement and the rhythmic activities ?

(B) Statements (3) and (5)

(A) Cerebellum

(C) Statements (1), (2) and (4)

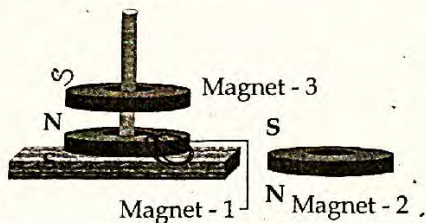
(B) Cerebrum

(D) Statements (3), (4) and (5)

(C) Hypothalamus

(D) Medulla oblongata

19. Observe the figure. There are two magnets (magnet - 1 and magnet - 3) repelling each other. Magnet - 1 is fixed on the board. One more magnet (magnet - 2) has to be placed in between them in such a way that all of them should repel each other. Which arrangement is **correct** ?



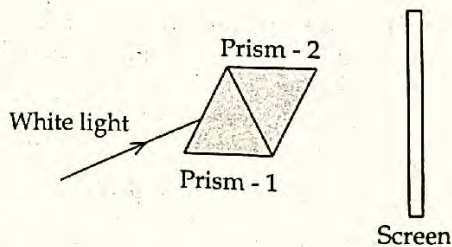
- (A) Magnet-2 : North pole at the top, South pole at the bottom
Magnet-3 : South pole at the top, North pole at the bottom
- (B) Magnet-2 : South pole at the top, North pole at the bottom
Magnet-3 : North pole at the top, South pole at the bottom
- (C) Magnet-2 : North pole at the top, South pole at the bottom
Magnet-3 : North pole at the top, South pole at the bottom
- (D) Magnet-2 : North pole at the bottom, South pole at the top
Magnet-3 : North pole at the bottom, South pole at the top
20. The term 'Endomorph' indicates :
- (A) Tall body type
(B) Short body type
(C) Fat body type
(D) Slim body type

21. Cheruvayal Raman is famous for :
- (A) Conservation of mangroves
(B) Protection of paddy varieties
(C) Protection of sea turtles
(D) Protection of wetland

22. The colour obtained when phenolphthalein is added to a liquid which turned red litmus paper blue :
- (A) Pink
(B) Blue
(C) Yellow
(D) No colour

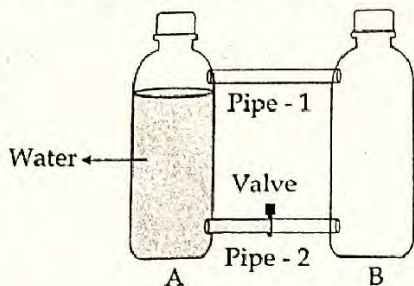
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23. Two glass prisms are arranged as shown in the figure given below and white light is allowed to pass through them. What is the speciality of light that obtained on the screen ?



- (A) Seven colors can be seen on the screen
(B) White light can be seen
(C) Cannot see any colour
(D) Pale red colour can be seen

24. Observe the picture. What happens when the valve of pipe - 2 is opened ?



- (A) Water does not flow from A to B
 (B) Water will flow from A to B until the water level becomes equal
 (C) The entire water from A will flow to B
 (D) A little water will flow to B when the valve is opened

25. Stadiometer is used :

- (A) to measure human height scientifically
 (B) to measure body weight scientifically
 (C) to record the rate of respiration
 (D) to record the rate of heart beat

26. Observe the table. Which of them are wrongly included in it ?

Storage roots	Underground stems
Carrot	Elephant foot yam
Beetroot	Colocasia
Potato	Turmeric
Tapioca	Sweet potato

- (A) Carrot, Colocasia
 (B) Tapioca, Turmeric
 (C) Potato, Sweet Potato
 (D) Potato, Turmeric

27. Which among the given situation can be explained on the basis of Bernoulli's principle ?

- (A) Air enters when the piston of a syringe is pulled back
 (B) Bubbles comes out when air blows through a straw which is immersed in water
 (C) Air rises up when it get heated
 (D) Aeroplane takes off when it travel faster through the runway

28. The moon shines because of sunlight. Which statement is **correct** about sunlight falling on the moon ?

- (A) On a full moon day, sunlight fall on all part of the moon
 (B) Sunlight does not fall on the moon on a new moon day
 (C) Sunlight always falls on one half of the moon
 (D) Sunlight falls on half the surface of moon, only on the day when we see a half moon

29. What causes food to undergo chemical changes in our mouth ?

- (A) Ptyalin
 (B) Lactic acid
 (C) Hydrochloric acid
 (D) Pepsin

30. Scientific use of fertilizers means :

- (A) No fertilizers are used
- (B) Only chemical fertilizers are used
- (C) No chemical fertilizers are used
- (D) Application of fertilizers by protecting the natural composition of soil

31. Children produced new guava saplings by germinating seeds and by layering from same mother plant in their school biodiversity garden. They planted them at the same time in the garden. Which of the following statements are correct ?

- (1) The time taken to fruit the two plants will be the same.
- (2) The guava produced in both the plants will be similar to their mother plant.
- (3) The lifespan of the newly produced plants will be the same.
- (4) Guava plant produced by layering do not possess tap root.

- (A) Statements (1), (2) and (3)
- (B) Statement (2) only
- (C) Statements (2) and (4)
- (D) Statement (4) only

32. What are the features of the image seen when we use a concave mirror as shaving/make-up mirror ?

- (A) Diminished, erect and virtual
- (B) Enlarged, inverted and real
- (C) Enlarged, inverted and virtual
- (D) Enlarged, erect and virtual

33. Which one of the given symbols indicates a safety device that is used in an electric circuit ?



34. Why does the mercury in a thermometer rise when we touch the bulb ?

- (A) Due to the expansion of thermometer bulb on heating
- (B) Due to the contraction of thermometer bulb
- (C) Due to the expansion of mercury on heating
- (D) Due to the decrease in pressure inside the bulb

35. The organism which do not possess digestive, respiratory and blood circulatory systems ?

- (A) Amoeba
- (B) Bacteria
- (C) Euglena
- (D) All of the above

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Part - C

Social Science (English Medium)

Question Numbers 36 to 55

36. Select from the following places in Kerala where Windmills installed and energy generated.
- (A) Kanjikode, Aluva
 - (B) Ramakalmedu, Vizhiujam
 - (C) Kalpetta, Vizhiujam
 - (D) Ramakalmedu, Kanjikode
37. Land forms having an altitude of more than 900 metres above the mean sea level and with steep slopes :
- (A) Plateaus
 - (B) Hills
 - (C) Mountairis
 - (D) Plains
38. "Human Progress is possible only through acquiring materialistic education along with religious education." Education is a means to solve the social backwardness ? Whose words are these ?
- (A) Sree Narayana Guru
 - (B) Chattampi Swamikal
 - (C) Vagbadanandan
 - (D) Vakkom Abdul Khader Moulavi
39. Read the given statements and find the appropriate ones.
- (1) Evergreen forests are found in the Western Ghats and North-eastern States.
 - (2) During the South West Monsoon, the Western Ghats and North eastern states receive very heavy rainfall.
- (A) Statement (1) alone is correct
 - (B) Only Statement (2) is correct
 - (C) Statements (1) and (2) are correct
 - (D) Statement (1) is false and (2) is true
40. Following are some of the commercial centres located on the west coast of India, which of them were Dutch Commercial Centres ?
- (A) Kochi, Kollam
 - (B) Goa, Damn
 - (C) Pondicherry, Karakkal
 - (D) Bombay, Surat
41. For the first time in the 2022 FIFA World Cup matches in Qatar an African Country finished fourth place. What is the name of that African Country ?
- (A) Senegal
 - (B) Ghana
 - (C) Nigeria
 - (D) Morocco

42. To which country are we influenced in the formation of the basic elements of our Government such as legislature, executive and judiciary ?
- America
 - England
 - France
 - Canada
43. Of the European countries who came to India for commercial interests and political dominance, name the war in which a country was quietly defeated by a princely state in India ?
- Battle of Buxar
 - Battle of Kulachal
 - Fourth Mysore War
 - Battle of Panipat
44. Which word is mentioned in the Preamble to the Constitution of India which States that the State does not discriminate against any religion, the state has no official religion, and gives any citizens the right to believe in the religion of his choice ?
- Sovereignty
 - Socialism
 - Republic
 - Secularism
45. In which country did the incident that lead to World Mother Tongue Day take place ?
- Myanmar
 - China
 - Bangladesh
 - Pakistan
46. From the following, write the latitudes in between India is situated.
- Latitude from $8^{\circ}4'$ North to $37^{\circ}6'$ North
 - Latitude from $10^{\circ}4'$ North to $39^{\circ}6'$ North
 - Latitude from $6^{\circ}4'$ North to $35^{\circ}6'$ North
 - Latitude from $12^{\circ}4'$ North to $37^{\circ}6'$ North
47. Which of the following are the steps taken by the British to exploit the abundant Mineral deposits in the habitat of the Indian Tribal People ?
- Forest laws were formulated and implemented
 - Implemented the Permanent Settlement Act
 - Implemented the Subsidiary Alliances
 - Road and rail facilities have been increased

48. What is the name of Poverty Alleviation Scheme, which provides 10 kg of rice free of cost through ration shops to those above 65 years of age and do not have income of their own ?

- (A) Andhyodaya Anna Yojana
- (B) National Rural Livelihood Mission
- (C) Swarnajayanti Shahari Rozgar Yojana
- (D) Annapoorna

49. The Monalisa painted during the Renaissance, is a masterpiece of art loved by the world. Which of the following ideas inspired this work ?

- (A) Reasoning
- (B) Spirit of enquiry
- (C) Humanism
- (D) Religious thought

50. Arrange the historical events in chronological order.

- (1) Salt Sathyagraha
- (2) Quit India Movement
- (3) Vaikom Sathyagraha
- (4) Malabar Rebellion

- (A) (1), (2), (3), (4)
- (B) (4), (3), (1), (2)
- (C) (2), (1), (4), (3)
- (D) (3), (4), (1), (2)

51. Rewrite the statement given below which does not support the socialisation process.

- (A) Interacting with children coming from different backgrounds
- (B) Newspaper reading
- (C) Helps his mother in household work
- (D) Undesirable use of visual media

52. What is the name of process by which when the water particles in the clouds increase in size they cannot stay in the atmosphere and fall into the earth ?

- (A) Precipitation
- (B) The rain
- (C) Snowfall
- (D) Hail

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53. Which country won the World's First Under-19 Women's T-20 Championship ?

- (A) Australia
- (B) England
- (C) South Africa
- (D) India

54. Joshi Math is an example of the damage to the topography due to the uncontrolled interference of man in nature. Name the Indian state in which Joshi Math is situated.

- (A) Uttarakhand
- (B) Himachal Pradesh
- (C) Arunachal Pradesh
- (D) Jammu Kashmir

55. Russia has declared war on Ukraine against joining which military alliance ?

- (A) NATO
- (B) Warsaw pact
- (C) CENTO
- (D) None of these

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Rough Work