

Sikkim Public Service Commission

Main Written Examination for the Post of Sanitary Inspector under Sikkim State Subordinate Allied and Healthcare Service

PAPER -II

Time allowed: 3.00 Hrs

Maximum Marks: 100

INSTRUCTIONS TO CANDIDATES

Read the instructions carefully before answering the questions: -

1. IMMEDIATELY AFTER THE COMMENCEMENT OF THE EXAMINATION, YOU SHOULD CHECK THAT THIS BOOKLET DOES NOT HAVE ANY UNPRINTED OR TORN OR MISSING PAGES OR ITEMS ETC. IF SO, GET IT REPLACED BY A COMPLETE TEST BOOKLET.
2. Use only Black Ball Point Pen to fill the OMR Sheet.
3. Do not write anything else on the OMR Answer Sheet except the required information.
4. This Test Booklet contains 50 questions in MCQ Mode in Part I to be marked in OMR Sheet. Part II and Part III are Subjective Questions which have to be written on separate answer sheet provided to you.
5. Before you proceed to mark in the Answer Sheet (OMR), you have to fill in some particulars in the Answer Sheet (OMR) as per given instructions.
6. After you have completed filling in all your responses on the Answer Sheet (OMR) and the examination has concluded, you should hand over the Answer Sheet (OMR) and separate answer sheet to the Invigilator only. You are permitted to take with you the Test Booklet.
7. **Marking Scheme**

THERE WILL BE NEGATIVE MARKING FOR WRONG ANSWERS MARKED BY A CANDIDATE IN THE OBJECTIVE TYPE QUESTION PAPERS

- i. There are four alternatives for the answer to every question. For each question for which a wrong answer has been given by the candidate, one-third of the marks assigned to the question will be deducted as penalty.
- ii. If a candidate gives more than one answer, it will be treated as a wrong answer even if one of the given answers happens to be correct and there will be same penalty as above to the question.
- iii. If a question is left blank. i.e., no answer is given by the candidate, there will be no penalty for that question.

DO NOT OPEN THIS TEST BOOKLET UNTIL YOU ARE ASKED TO DO SO

PART - I

Choose the correct answer for the following questions:

(1x50=50)

1. What colour of Bio Medical waste is generated in a Hospital?

- A. Yellow, Red, Blue, White
- B. Yellow, Orange, Blue, White
- C. Pink, Orange, White, Yellow
- D. Pink, Orange, Blue, White

2. Contents of yellow colored waste

- A. Plastic Waste
- B. Glass Waste
- C. Soiled Waste
- D. None of the above

3. Contents of Red colored waste

- A. Plastic Waste
- B. Glass Waste
- C. Soiled Waste
- D. Metallic Sharp

4. Contents of Blue colored waste

- A. Plastic Waste
- B. Soiled Waste
- C. Glass Waste
- D. None of the above

5. Contents of White colored waste

- A. Metallic Sharp
- B. Glass Waste
- C. Soiled Waste
- D. Plastic waste

6. Which of the following is a correct statement?

- A. Bio Medical waste need not to be segregated.
- B. Bio Medical waste needs to be segregated at the source of generation.
- C. Bio Medical waste has to be mixed and then segregated later.
- D. None of the above.

- A. Shredding and auction.
- B. Auction
- C. Incineration
- D. None of the above.

8. Disposal of Red colored waste.

- A. Autoclaving and Auction to the registered recycler
- B. Autoclaving, shredding and auction to the registered recycler
- C. Incineration
- D. None of the above

9. Disposal of Glass waste.

- A. Autoclaving and auction to the registered recycler.
- B. Autoclaving, shredding and auction to the registered recycler.
- C. Auction to the register recycler.
- D. All of the above.

10. Disposal of Metallic sharp.

- A. Auction to the registered recycler.
- B. Auction to the non-registered recycler.
- C. Autoclaving and auction to the registered recycler.
- D. None of the above.

11. Tick the correct statement.

- A. No occupier shall establish onsite treatment and disposal facility if a service of common Bio Medical Waste facility is available at a distance of 75 Km.
- B. No occupier shall establish onsite treatment and disposal facility if a service of common Bio Medical Waste facility is available at a distance of 100 Km.
- C. No occupier shall establish onsite treatment and disposal facility if a service of common Bio Medical Waste facility is available at a distance of 50 Km.
- D. None of the above.

12. All the health care workers involved in handling of Bio Medical Waste must be provided training on safe handling of Bio Medical Waste: -

- A. At the time of induction and thereafter at least once every year.
- B. At the time of induction and thereafter once in two years.
- C. At the time of induction and thereafter once in five years.
- D. None of the above.

_____ from the date of notification of these rules.

- A. One year
 - B. Two years
 - C. Three years
 - D. Five years
14. What are the recommended vaccinations for health care workers handling Bio Medical Waste?
- A. Hepatitis-B vaccine and Tetanus
 - B. Hepatitis-B vaccine and Hepatitis-C vaccine
 - C. Hepatitis-C vaccine and Tetanus
 - D. All of the above.
15. Establish a bar code system for bags or containing Bio Medical waste to be sent out of premises for any purpose within _____ from date of notification of rules.
- A. Two years.
 - B. Three Years.
 - C. One Year.
 - D. None of the above.
16. Maintain all records for operation of incineration, hydro or autoclaving etc. for a period of _____.
- A. Five years.
 - B. Ten Years.
 - C. One year.
 - D. None of the above.
17. Which of the following is a correct statement?
- A. Only Yellow colored polythene bags must be non-chlorinated.
 - B. Only yellow and red polythene bags must be non-chlorinated.
 - C. All polythene bags used for Bio Medical waste must be non-chlorinated.
 - D. None of the above.
18. All health care workers must be medically examined at the time of induction and as well as _____
- A. Once in two year.
 - B. Once in five year.
 - C. Once in a year.
 - D. None of the above.

19. Cytotoxic Bio Medical waste must be disposed of in _____ colored container.

- A. Red
- B. Black
- C. Yellow
- D. Blue

20. Standards of autoclaving for bio medical waste.

- A. A temperature not less than 121° C and pressure of 15 pounds (psi) for an autoclave residence time of not less than 60 minutes.
- B. A temperature not less than 135° C and pressure of 31 pounds (psi) for an autoclave residence time of not less than 45 minutes.
- C. A temperature not less than 149° C and pressure of 52 pounds (psi) for an autoclave residence time of not less than 30 minutes.
- D. Any of these.

21. Vector mosquitoes for malaria is: -

- A. Aedes
- B. Culex
- C. Anopheles
- D. None of the above

22. Which is the most common vector of Rabies?

- A. Dog
- B. Cat
- C. Monkey
- D. None of the above.

23. What are the categories in segregation of municipal solid waste?

- A. Wet waste
- B. Dry waste
- C. Both of them
- D. None of the above

24. How is wet waste disposed?

- A. Compositing
- B. Incineration
- C. Shredding
- D. None of the above

25. What are the commonly used items for Personal Protective Equipment for waste management?

- A. Heavy Duty Gloves
- B. Face Mask
- C. Chest Shield
- D. All of the above

26. The disease which can be transmitted due to unsafe handling of Bio Medical Waste.

- A. HIV
- B. Hepatitis B
- C. Tetanus
- D. All of the above

27. What are the food and water borne diseases?

- A. Cholera
- B. Viral Hepatitis
- C. Acute Gastro Enteritis
- D. All of the above

28. What are the vector borne diseases?

- A. Malaria, Filaria, Dengue & Chikungunya
- B. Cardio vascular disease, RHD and Hypertension
- C. Diabetes, Acute Renal Failure & Renal Kidney transplant
- D. All of the above

29. Deficiency of Vitamin B is known as: -

- A. Scurvy
- B. BeriBeri
- C. Rickets
- D. Pellagra

30. Deficiency of Vitamin D is known as: -

- A. BeriBeri
- B. Rickets
- C. Pellagra
- D. Scurvy

- A. Xerophthalmia
- B. Pellagra
- C. Scurvy
- D. BeriBeri

32. The causative agent for smallpox is: -

- A. Variola
- B. Rubulavirus
- C. CorynebacteriumDiphtheriae
- D. Mycobacterium Tuberculosis

33. The causative agent for tuberculosis: -

- A. Mycobacterium Tuberculosis
- B. Xerophthalmia Tuberculosis
- C. Corynebacterium Tuberculosis
- D. Variola Tuberculosis

34. The causative agent for Typhoid: -

- A. Salmonella Typhi
- B. Vibrio Cholerae
- C. Mycobacterium Tuberculosis
- D. Tuberculosis

35. The incubation period of Hepatitis B is: -

- A. 30 to 180 days
- B. 01 to 30 days
- C. 30 to 60 days
- D. 30 to 120 days

36. The incubation period of Cholera is: -

- A. 05 to 12 days
- B. 01 to 05 days
- C. 01 to 12 days
- D. 01 to 20 days

37. The incubation period of Diphtheria is: -

- A. 05 to 12 days
- B. 01 to 10 days
- C. 01 to 15 days
- D. 01 to 20 days

38. 7th April is celebrated as: -

- A. World Leprosy Day
- B. World Environment Day
- C. World Polio Day
- D. World Health Day

39. 24th October is celebrated as: -

- A. World Health Day
- B. World Polio Day
- C. World Environment Day
- D. World Yoga Day

40. 5th June is celebrated as: -

- A. World Yoga Day
- B. World Leprosy Day
- C. World Polio Day
- D. World Environment Day

41. 22nd April is celebrated as: -

- A. World Leprosy Day
- B. World Polio Day
- C. World Yoga Day
- D. World Earth Day

42. 4th February is celebrated as: -

- A. World Polio Day
- B. World Leprosy Day
- C. World Health Day
- D. World Cancer Day

43. Equipment used for calculating the Bleaching Powder requirement of water to make it potable is known as _____

- A. Horrocks apparatus
- B. Chloroscope
- C. Fluoroscope
- D. Endoscope

- A. Arrest of Causative agent
- B. Arrest of transmission medium
- C. Arrest of Host
- D. Any of the above

45. Dengue is caused by: -

- A. Female Anopheles
- B. Aedes Aegypti
- C. Culex Mosquitoes
- D. None of the above

46. Japanese Encephalitis is a vector borne disease: -

- A. Yes
- B. No
- C. Bacterial
- D. Fungal

47. Poliomyelitis is transmitted by: -

- A. Fecal-Oral Route
- B. Contact with blood and bodily fluids
- C. Breathing in an airborne virus
- D. Being bitten by an insect

48. Influenza is transmitted by: -

- A. By direct contact with infected individuals.
- B. By contact with contaminated objects
- C. By inhalation of virus laden aerosols
- D. All of the above

49. Scrub typhus is caused by: -

- A. OrientiaTsutsugamushi
- B. Variola Virus
- C. Rubeola Virus
- D. None of the above

50. Diabetes is a: -

- A. Communicable Disease
- B. Non-communicable Disease
- C. Infectious
- D. Painful

PART – II

Write short note on ANYFOUR of the following:

(5x4=20)

- a) Oxidation Pond
- b) Slow sand filter
- c) Immunization Programme in India
- d) Quarantine
- e) Prevention of respiratory infection
- f) Hospital acquired infection

PART – III

Attempt ANY TWO questions:

(15x2=30)

- a) Viral Hepatitis
 - b) Dengue
 - c) Cholera
 - d) Rheumatic Heart Disease
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