

**Masters in Public Health**  
**Entrance Examination – 2014**

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**Hall Ticket Number**

**Time: 2 hours**

**Total Marks: 100**

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**PLEASE READ THE FOLLOWING INSTRUCTIONS CAREFULLY BEFORE ANSWERING.**

**INSTRUCTIONS**

1. This booklet has (12) pages. Please check thoroughly for all the pages.
2. Enter the Hall Ticket number on the first page of this booklet as well as on the OMR sheet.
3. There is negative marking for questions in Part A. For each wrong answer 0.33 marks will be deducted.
4. There are two PARTS in the question paper – PART A (Question numbers 1-25) *and* PART B (Question numbers 26 -100). In case of a tie, marks obtained in PART A will be considered for resolving the tie.
5. Calculators are not permitted.

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**PART A**

1. Zoonoses are diseases that spread from \_\_\_\_\_ to humans  
A. Hospitals      B. Atmosphere      C. Water.      D. Animals
2. “Body language” is an example of which type of communication?  
A. Auditory      B. Olfactory      C. Tactile      D. Visual
3. The belief that animals should be treated in a humane manner is:  
A. animal activist      B. animal rights      C. animal welfare      D. human/animal bond

**4. What technical term is used to describe a medical treatment of disease?**

- A. Prevention      B. Therapeutics      C. Epidemiology      D. Pathogenesis

**5. The spread of cancer cells from the primary tumor to other parts of the body is called:**

- A. Benign      B. Congenital      C. Metastasis      D. Degenerative

**6. What is a complex protein substance produced by the body that is necessary for biochemical reactions to occur?**

- A. Mineral      B. Enzyme      C. Nutrient      D. Catalyst

**7. The acronym ASHA for a community health functionary stands for:**

- A. Accredited Social Health Activist      B. Actions of Social Health Association  
C. Association for Science & Hygiene Actions      D. Activists for Science and Health Association

**8. One of the following is not a measure of average:**

- A. Mean      B. Median      C. Mode      D. Meridian

**9. What is the main function of the White Blood Cells/Corpuscles?**

- A. transport oxygen throughout the body      B. help to maintain pH and temperature  
C. hemostasis or clotting      D. body defense

**10. The following is not due to transmission through a mosquito vector:**

- A. Kala Azar      B. Malaria      C. Filaria      D. Japanese Encephalitis

**11. MDG is an acronym for:**

- A. Millions Donate Goods      B. Millennium Development Goals  
C. Millennium Donation Goals      D. Multiple Development Goals

**12. RNTCP stands for:**

- A. Revised National Trachoma Control Program  
B. Revised National Tuberculosis Control Program  
C. Rural & National Telemedicine Connection Project  
D. None of the above.

**13. Regional Office of South East Asia for World Health Organization is located at:**

- A. Kathmandu      B. Dhaka      C. New Delhi      D. Colombo

**14. Haemophobia is a morbid fear of:**

- A. Blood      B. Tears      C. Pus      D. Phlegm

**15. Hippocampus, the part of the brain is responsible for:**

- A. Sight      B. Memory      C. Smell      D. Taste

**16. Cyclops of Greek Mythology has only one:**

- A. Eye      B. Ear      C. Hand      D. Tooth

**17. After eyes, what is the most common donated and used organ:**

- A. Skin      B. Kidneys      C. Liver      D. Pancreas

**18. Pertussis is another name for:**

- A. Diphtheria      B. Poliomyelitis      C. Common Cold      D. Whooping Cough

**19. What type of connective tissue connects muscles to bones?**

- A. tendons      B. ligaments      C. cartilage      D. blood

**20. Understanding and identifying with a person's situation and feelings is known as:**

- A. Pitying      B. Grieving      C. Empathy      D. Sympathy

**21. Which of the following vaccines are not given in the first year of life?**

- A. Tuberculosis      B. Rubella      C. Polio      D. Measles

**22. In which year was the Medical Termination of Pregnancy Act passed by the Indian Parliament?**

- A. 1971      B. 1989      C. 1995      D. 2001

**23. All the following are common causes of cancer among women in India, except:**

- A. Cancer uterus      B. Cancer breast      C. Cancer ovaries      D. Cancer skin

**24. What is the slippery white film on teeth that is composed of bacteria, food particles, and saliva?**

- A. Tartar      B. Plaque      C. Calculus      D. Halitosis

25. A badge that records exposure to radiation that is worn when taking x-rays is called:

- A. Filtration                      B. Lead shield                      C. Dosimeter                      D. Grid
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**PART B**

26. Water normally contains \_\_\_\_\_ ppm (parts per million) of oxygen.

- A. 1 to 5                      B. 4 to 9                      C. 8 to 11                      D. 10 to 15

27. A titer refers to the concentration of \_\_\_\_\_.

- A. an antigen in a vaccine                      B. an antibody in a vaccine  
C. an antibody in a blood sample                      D. an antigen needed to stimulate antibody response

28. A hypothesis is \_\_\_\_\_.

- A. a review of the current literature on a scientific subject  
B. a concise step-by-step schedule of experimental work to be performed  
C. a description of the methods to be used for data assessment  
D. a theory to explain the scientific question or problem

29. Which method or euthanasia requires the use of a guillotine?

- A. cervical dislocation                      B. decapitation                      C. Electrocutation                      D. CO<sub>2</sub> overdose

30. Who is considered to be the father of Public Health?

- A. John Snow                      B. Rudolph Virchow                      C. Ronald Ross                      D. Louis Pasteur

31. Which of the following is not condition caused by life style changes?

- A. Cancer                      B. Obesity                      C. Schizophrenia                      D. Diabetes

32. Samuel Hannemann created an alternative system of Medicine called:

- A. Naturopathy                      B. Homeopathy                      C. Allopathy                      D. Osteopathy

33. The construct of Gender is:

- A. Biological                      B. Sociological                      C. Physical                      D. Supernatural

**34. "Anthropology" is a study of**

- A. Primates                      B. Humankind                      C. Arthropods                      D. Insects

**35. A motive to increased other welfare without considering one's own self-interest is known as**

- A. Egoism                      B. Communism                      C. Altruism                      D. Capitalism

**36. What are the main features of a culture?**

- A. Customs and Norms                      B. History and Religion  
C. Language and Ethnicity                      D. All of the above

**37. HDI stands for:**

- A. Health Disease Index                      B. Health and Development Indicators  
C. Human Development Index                      D. None of the above

**38. The following is not a notifiable disease in India:**

- A. Cholera                      B. Tuberculosis                      C. Plague                      D. Conjunctivitis

**39. Neglected Tropical Diseases include all except:**

- A. Filariasis                      B. Leprosy                      C. Malaria                      D. Hookworm disease

**40. Acute Flaccid Paralysis is a classical feature of:**

- A. Poliomyelitis                      B. Measles                      C. Stroke                      D. Rheumatic fever

**41. Demographic Transition means:**

- A. Changes in Population structure                      B. Changes in Disease profile  
C. Changes in Climatic conditions                      D. Life on another planet

**42. Atopy commonly refers to:**

- A. Gait problems                      B. Balance problems                      C. Allergy problems                      D. Vision problems

**43. Cohort refers to:**

- A. A group of people sharing certain common characteristics  
B. A protein  
C. A carbohydrate  
D. A fat

**44. Agriculture refers to science and art of:**

- A. Cultivating the soil B. Raising crops C. Rearing cattle D. All of above

**45. Amoebiasis is a common condition caused by:**

- A. Bacteria B. Virus C. Fungus D. Protozoa

**46. Vitamin B complex includes all except:**

- A. Thiamine B. Ascorbic Acid C. Niacin D. Folic Acid

**47. The Principles applied to Nursing Procedures include all except:**

- A. Safety and Individuality B. Therapeutic effectiveness C. Comfort D. All of the above

**48. The best practice of giving injection is all except:**

- A. Right Dose B. Right Route C. Right Syringe D. Right time

**49. ABC in First Aid refers to:**

- A. Airway, Breathing & Circulation  
B. Affordable, Balanced & Cost Effective  
C. Airway, Breathing, & Communication  
D. Assistance, Blood & /Circulation

**50. The '108' service in India refers to all except:**

- A. Emergency Medical Service  
B. Emergency Police Service  
C. Emergency Fire Service  
D. Emergency Child Protection Service

**51. Standard deviation is the deviation of an individual value from the:**

- A. Median B. Mode C. Range D. Mean

**52. The best word that describes the following sentence: 'sample taken from a population should be'**

- A. Representative B. Best in quality C. Precise D. Confident

**53. The correct definition that describes an epidemic is:**

- A. Occurrence of cases that are more than the expected frequency
- B. Occurrence of cases more than existing ones at that point of time
- C. Occurrence of cases that never occurred before
- D. Old cases that have come up again

**54. Neonatal Jaundice refers to yellowing of the skin and other tissues in a child:**

- A. Below 1 year of age
- B. Newly born child
- C. Between 1-5 years of age
- D. In intrauterine period

**55. What is the most appropriate description of "Colostrum"?**

- A. Risky to a newborn baby hence should be expelled out
- B. Is heavy in fat and cannot be digested by the newborn
- C. Protects the newborn against disease, and is better than ordinary milk and should be given to the newborn soon after birth
- D. Colostrum should be given to the newborn after 1 week of delivery

**56. What is wrong about HIV and AIDS?**

- A. Disease of immune system caused by a fungus
- B. Can be transmitted by sexual contact and by non sexual contact
- C. There is currently no cure or effective vaccine against this disease
- D. There are three main stages of HIV infection: acute infection, clinical latency and AIDS

**57. God particle in general media refers to:**

- A. Refers to a Nanoparticle
- B. Mythological particle referred in sacred books
- C. Particle that is known to give rise to life
- D. Higgs boson, an elementary particle that is very unstable and decays into other particles almost immediately

**58. Lower back pain is affected in this region of the spine:**

- A. Cervical
- B. Thoracic
- C. Lumbar
- D. Cervico-thoracic

**59. Which of the following is considered as the Powerhouse of a cell?**

- A. Sarcoplasmic reticulum
- B. Nucleus
- C. Mitochondria
- D. DNA

**60. What is the most appropriate statement regarding Yellow Fever?**

- A. Is caused due to intake of yellow colored foods
- B. Is a viral fever, spread by mosquitoes
- C. Is caused by yellow fungus that grows on bread
- D. Is a mild disease, and does not pose any threat to life

**61. Identify the largest organ in the human body:**

- A. Skin
- B. Liver
- C. Lungs
- D. Kidney

**62. Identify the hormone which is called as 'fight or flight hormone'**

- A. Cortisol
- B. Adrenaline
- C. Thyroxine
- D. Noradrenaline

**63. Which form of cholesterol is considered as 'good cholesterol'?**

- A. LDL
- B. HDL
- C. VLDL
- D. Chylomicrons

**64. PET Scan in radiological sciences refers to:**

- A. Positron emission tomography
- B. Proton Emission Tomography
- C. Proton Electron Topography
- D. Positive Emission Tomography

**65. Autism refers to:**

- A. Infection caused by self
- B. Temporary illness that cures itself as the child grows
- C. A disorder of neural development characterized by impaired social interaction
- D. Disorder where the individual is deaf and dumb

**66. What is most appropriate statement about Rabies**

- A. Only infection where vaccination is given before exposure
- B. Prompt washing of wound, dressing and observation of the infected dog is adequate
- C. Viral infection caused by the bite of an infected dog
- D. Prompt washing of wound, dressing and vaccination after onset of symptoms is adequate



67. Centre for Disease Control, USA is located in:

- A. Washington, DC
- B. New York City
- C. San Diego
- D. Atlanta

68. Arthritis is a \_\_\_\_\_ disease.

- A. Metabolic
- B. Nutritional
- C. Idiopathic
- D. Degenerative

69. Which type of molecule is glycogen?

- A. Fat
- B. Carbohydrate
- C. Protein
- D. Enzyme

70. Which of the following is a field test for dehydration?

- A. Laboratory test
- B. Specific gravity
- C. Skin turgor
- D. Urinalysis

71. What is the hardest substance in the body?

- A. Enamel
- B. Bone
- C. Cartilage
- D. Tendon

72. Insulin is produced in which organ?

- A. Liver
- B. Gall bladder
- C. Pancreas
- D. Small intestine

73. Micronutrient deficiency includes all except:

- A. Iron
- B. Iodine
- C. Vitamin A
- D. Vitamin C

74. The acronym "SOP" stands for \_\_\_\_\_.

- A. sample operational plan
- B. single operational plan
- C. standard operating plan
- D. standard operating procedure

75. Which of the following is the correct formula for the conversion of Celsius degrees to Fahrenheit degrees?

- A.  $F = 5/9(C - 32)$
- B.  $C = 5/9(F - 32)$
- C.  $F = 9/5(C - 32)$
- D.  $C = 9/5(F - 32)$

76. "Anganwadi" means it is a:

- A. Playground                      B. Slippy side                      C. Courtyard                      D. Health Centre

77. "Bagassosis" is a chest condition caused due to the inhalation of:

- A. Coal dust                      B. Silica dust                      C. Asbestos dust                      D. Sugar cane refuse

78. "Behavior" includes:

- A. An organism's muscular or glandular response to stimulation, that is observed  
B. The way that an organism responds to stimulation.  
C. The unique or predictable reaction of a "thing" to specific conditions.  
D. All of the above

79. "Bioinformatics" encompasses all these disciplines except:

- A. Medicine                      B. Sociology                      C. Maths/Physics                      D. Biology

80. Civil Registration includes registration of vital events except.

- A. Births and deaths                      B. Marriages                      C. Injuries                      D. Divorce

81. Food Hygiene includes all systems, measures and practices related to food except:

- A. Production                      B. Disposal                      C. Processing                      D. Storage

82. Hysterectomy refers to:

- A. Removal of uterus                      B. Removal of Ovaries                      C. Removal of testes                      D. None of above

83. Iodine is necessary for the synthesis of the following hormone:

- A. Growth                      B. Thyroid                      C. Adrenal                      D. Insulin

84. Injectable Polio Vaccine (IPV) is called:

- A. Sabin vaccine                      B. Salk vaccine                      C. BCG vaccine                      D. EZ vaccine

85. MIS stands for:

- A. Management interview systems  
B. Management integrated systems  
C. Management information systems  
D. Management integrity systems

- 86. India's first genetically modified crop is:**  
A. Potato                      B. Tomato                      C. Brinjal                      D. Cauliflower
- 87. "Tai chi" refers to a:**  
A. Chinese medicine    B. Martial art                      C. Japanese tea                      D. Korean fabric
- 88. "Head doctor" in a local language refers to:**  
A. Anesthetist                      B. Neurologist                      C. Psychiatrist                      D. Psychologist
- 89. Histology is a branch of:**  
A. Biology                      B. History                      C. Geography                      D. Civics
- 90. Swine flu is caused by:**  
A. Bacteria                      B. Fungus                      C. Virus                      D. Protozoa
- 91. A "soprano":**  
A. Swims                      B. Sleeps                      C. Sings                      D. Dreams
- 92. What is the minimum percent of GDP that should be spent on water and sanitation, according to the UN?**  
A. 1%                      B. 2%                      C. 3%                      D. 4%
- 93. 20 million tonnes of grain are reported to be eaten by rats in India in a year. This is enough to feed:**  
A. Africa                      B. Seychelles                      C. Japan                      D. Indonesia
- 94. "Faux Pas" is a:**  
A. Tool                      B. Mistake                      C. Address                      D. Title
- 95. The South African nation is described as a Rainbow nation and is attributed to:**  
A. Nelson Mandela    B. Oliver Tambo                      C. Thabo Mbeki                      D. Desmond Tutu

96. What is pH?

- A. potential Hydrogen      B. protein Helium      C. periodic Hydrogen      D. potential Helium

97. Society is defined as

- A. A conglomeration of people  
B. A group of people bound by rules  
C. An association with regulated membership  
D. An organized association patterned on the norms of interaction

98. Strict vegetarian diet results in the deficiency of:

- A. Vitamin B1      B. Biotin      C. Vitamin B12      D. Vitamin D

99. The recent concept of Public Health envisages activities concerning health care and services:

- A. Provided by Government only  
B. provided by both Government and voluntary agencies  
C. Organized by community action from local and international levels  
D. Related to communicable disease and sanitation only

100. A family of married couple with their children is

- A. Joint  
B. Extended  
C. Nuclear  
D. Inadequate

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The End