



JEPAS(PG)-2020
Subject: Master's in-Public Health (MPH)-2020

Duration: 90 minutes

Full Marks: 100

Instructions

1. All questions are of objective type having four answer options for each. Only one option is correct. Correct answer will carry full marks 1. In case of incorrect answer or any combination of more than one answer, $\frac{1}{4}$ mark will be deducted.
2. Questions must be answered on OMR sheet by darkening the appropriate bubble marked A, B, C, or D.
3. Use only **Black/Blue ball point pen** to mark the answer by complete filling up of the respective bubbles.
4. Mark the answers only in the space provided. Do not make any stray mark on the OMR.
5. Write your roll number carefully in the specified locations of the **OMR**. Also fill appropriate bubbles.
6. Write your name (in block letter), name of the examination centre and put your full signature in appropriate boxes in the OMR.
7. The OMR is liable to become invalid if there is any mistake in filling the correct bubbles for roll number or if there is any discrepancy in the name/ signature of the candidate, name of the examination centre. The OMR may also become invalid due to folding or putting stray marks on it or any damage to it. The consequence of such invalidation due to incorrect marking or careless handling by the candidate will be sole responsibility of candidate.
8. Candidates are not allowed to carry any written or printed material, calculator, docu-pen, log table, wristwatch, any communication device like mobile phones etc. inside the examination hall. Any candidate found with such items will be **reported against** & his/her candidature will be summarily cancelled.
9. Rough work must be done on the question paper itself. Additional blank pages are given in the question paper for rough work.
10. Hand over the OMR to the invigilator before leaving the Examination Hall.



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1) BCG, True about it:

- a) Killed vaccine.
- b) Subcutaneously given.
- c) Given in positive tuberculin patients.
- d) Live vaccine.

2) Species of anopheles transmitting malaria in urban areas:

- a) Stephensi.
- b) Culcifex.
- c) Minimus.
- d) Fluviatis.

3) Haemophilia is due to deficiency of which of the following?

- a) Factor VIII
- b) Factor VII
- c) Factor IX
- d) Factor V

4) For which of the following disease global eradication has been achieved?

- a) Polio
- b) Small pox
- c) Measles
- d) Whooping cough

5) World Leprosy Day celebrated on

- a) January 30
- b) June 30
- c) October 2
- d) December 1

6) Nucleic acid is not found in:

- a) Virus.
- b) Bacteria.
- c) Fungus.
- d) Prions.

7) According to last Population Census, sex ratio in India:

- a) 930 females/1000 males.
- b) 940 females/1000 males.
- c) 950 females/1000 males.
- d) 960 females/1000 males.

8) 'Histogram' is used for:

- a) Ungrouped data.
- b) Grouped data.
- c) Binary data.
- d) None of the above.

9) According to Maslow's hierarchy of needs, following is at the top of needs:

- a) Physical needs.
- b) Self actualization.
- c) Safety.
- d) Esteem recognition.

10) Which of the following can infect ovary:

- a) Mumps virus.
- b) CMV.
- c) EBV.
- d) Measles virus.

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- 11) The mean of a set of observations is 45. If one more observation '45' is added to it, the mean of the new set will be:**
- 55.
 - 45.
 - 35.
 - None of the above.
- 12) Which one of the following is rich in iron?**
- Dark green leafy vegetables.
 - Dry fruits.
 - Chicken liver.
 - All of the above.
- 13) 3 month old infant, no chest indrawing with RR 52/min, dx is:**
- No pneumonia.
 - Pneumonia.
 - Severe pneumonia.
 - Very severe pneumonia.
- 14) The best measure of ' Dispersion ' is:**
- Range.
 - Quartile deviation.
 - Standard deviation.
 - None of the above.
- 15) Legal age for marriage in case of Males**
- 18 Years
 - 19 Years
 - 20 Years
 - 21 Years
- 16) Late foetal death and early neonatal deaths are considered in which of the following indices:**
- Infant mortality rate.
 - Perinatal mortality rate.
 - Still birth rate.
 - Post neonatal mortality rate.
- 17) Analysis of routine measurement is aimed at deleting changes in environment:**
- Monitoring.
 - Surveillance.
 - Isolation.
 - Evaluation.
- 18) Drugs used to prevent mother to child transmission of HIV is/are:**
- Lamivudine.
 - Zidovudine.
 - Nevirapine.
 - Ribavirin.
- 19) ICMR launch "MERA India" to eliminate disease from India. What does MERA stands for**
- Malaria Elimination Research Alliance
 - Malaria Encephalitis Regulatory Authority
 - Malaria Eradication Research Association
 - Measles Endemic Rural Area
- 20) Most potent antioxidant is:**
- Vit A.
 - Vit E.
 - Vit K.
 - Vit C.

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- 21) At primary health centre(PHC), vaccines are stored in:**
- a) Cold box.
 - b) Deep freezer.
 - c) Ice lined refrigerator.
 - d) Walk in cold room.
- 22) The single most common cause of maternal mortality is:**
- a) Anaemia.
 - b) Obstetric haemorrhage.
 - c) Obstructed labour.
 - d) Sepsis.
- 23) Helper and cytotoxic cells belong to which of the following type?**
- a) B cells
 - b) Monocytes
 - c) Macrophages
 - d) T cells
- 24) Man is the terminal end for:**
- a) Gonococcus.
 - b) Treponema.
 - c) Tetanus.
 - d) Ankylostomiasis.
- 25) Best method to show trend of events with passage of time is:**
- a) Line diagram.
 - b) Bar diagram.
 - c) Histogram.
 - d) Pie chart.
- 26) Most dangerous type of diphtheria:**
- a) Facial.
 - b) Laryngeal.
 - c) Nasal.
 - d) Cutaneous.
- 27) The sodium-potassium pump is an example of which of the following?**
- a) Active transport.
 - b) Passive transport.
 - c) Facilitated transport.
 - d) Osmosis.
- 28) Malarial parasite was discovered by:**
- a) Robert Koch.
 - b) Louis Pasteur.
 - c) Charles Alphonse Laveran.
 - d) Ronald Ross
- 29) The ' Religion ' is:**
- a) Qualitative data.
 - b) Quantitative data.
 - c) Binary data.
 - d) None of the above.
- 30) Last Population census in India was held in:**
- a) 2010.
 - b) 2011.
 - c) 2012.
 - d) 2013.

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- 31) How many tiers are in the Panchayati Raj system of India?**
- a) One tier
 - b) Two tier
 - c) Three tier
 - d) Four tier
- 32) When was the World Health Organization set up?**
- a) 1941
 - b) 1948
 - c) 1961
 - d) 1966
- 33) Human Development Index does not include:**
- a) Mean years of schooling.
 - b) Life expectancy at age.
 - c) Real GDP per capita.
 - d) Adult literacy rate.
- 34) The impact of urbanization during medieval period worked through:**
- a) Artisans in the towns
 - b) Army on move
 - c) Nobles, chiefs and Jagirdars
 - d) Petty government officials
- 35) Which of the following is called pacemaker of heart?**
- a) AV node
 - b) SA node
 - c) Purkinje fibre
 - d) Bundle of His
- 36) In the management of stores VED, D stands for:**
- a) Discreet.
 - b) Desirable.
 - c) Decide.
 - d) Definite.
- 37) Endotoxin causes:**
- a) Diarrhoea.
 - b) Muscle damage.
 - c) Septic shock.
 - d) None.
- 38) Each haemoglobin molecule contains how many globin:**
- a) 1.
 - b) 2.
 - c) 3.
 - d) 4.
- 39) Route of transmission with maximum efficiency is:**
- a) Sexual.
 - b) Transmission of blood and blood products.
 - c) Sharing needles/syringes.
 - d) Mother to child transmission.
- 40) UNICEF provides all except:**
- a) Child nutrition.
 - b) Child health education.
 - c) Immunization.
 - d) Family planning.
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41) Plastic covers of syringes are disposed in:

- a) Red bag.
- b) Yellow bag.
- c) Black bag.
- d) Blue bag.

42) Bilateral cutting of vagus nerve causes:

- a) Decrease heart rate.
- b) Increase blood pressure.
- c) Increase heart rate.
- d) Decrease respiratory rate.

43) Quarantine was originally produced as a protection against:

- a) Plague.
- b) TB.
- c) AIDS.
- d) Malaria.

44) Framingham Heart study is an example of:

- a) Case control study.
- b) Cohort study.
- c) Cross-sectional study.
- d) Interventional study.

45) The ICDS program was launched in

- a) 1947
- b) 1975
- c) 1984
- d) 2001

46) In which of the following market structure is the degree of control over the price of its product by a firm very large?

- a) Imperfect competition
- b) Perfect competition
- c) Monopoly
- d) In A and B both

47) All of the following comes under primary prevention except:

- a) Pap smear.
- b) Helmets.
- c) Contraception.
- d) Vaccines.

48) Pasteur developed the vaccine for:

- a) Rabies.
- b) Anthrax.
- c) Fowl cholera.
- d) All of the above.

49) Heme synthesis requires which of the following?

- a) Lead
- b) Ferrous iron
- c) Copper
- d) Ferric iron

50) The ' Height ' is:

- a) Qualitative data.
- b) Quantitative data.
- c) Binary data.
- d) None of the above.

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- 51) First bacteria discovered as a cause of disease was:**
- a) TB bacillus.
 - b) Leprosy bacillus.
 - c) Anthrax bacillus.
 - d) Plague bacillus.
- 52) Which of the following is an index of communicability of an infection:**
- a) Carrier rate.
 - b) Prevalence rate.
 - c) Secondary attack rate.
 - d) Primary attack rate.
- 53) Find the mode of 45,78,56,75,67,56,69,56,49,56:**
- a) 78.
 - b) 56.
 - c) 49.
 - d) 75.
- 54) The mode of 10 observations is 5. If each observation is decreased by 3, the mode of the new set is:**
- a) 2.
 - b) 3.
 - c) 4.
 - d) 5.
- 55) Population Census is conducted by:**
- a) Office of the President.
 - b) Office of the Prime Minister.
 - c) Registrar General and Census Commissioner of India.
 - d) None of the above.
- 56) Which is not a measure of Dispersion:**
- a) Range.
 - b) Quartile deviation.
 - c) Standard deviation.
 - d) Mean.
- 57) Pioneer in concept of specific protection by vaccine:**
- a) Chinese medicine.
 - b) Robert Koch.
 - c) Ambroise Pare.
 - d) Louise Pasteur.
- 58) Longest lifespan amongst the following:**
- a) RBC.
 - b) Platelets.
 - c) Neutrophils.
 - d) Macrophages.
- 59) Mark out the factor contributing to high maternal mortality rate**
- a) Antenatal Care
 - b) Education
 - c) Increase in the number of working women
 - d) Early Marriage
- 60) Resting membrane potential of a smooth muscle is:**
- a) -90mV.
 - b) -70mV.
 - c) -150mV.
 - d) -40mV.

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- 61) Primordial prevention in myocardial infarction are all except:**
- a) Maintenance of normal body weight.
 - b) Preservation of lifestyle.
 - c) Primitive nutritional habits.
 - d) Screening for hypertension.
- 62) In India Population Census is held at an interval (years) of:**
- a) 5.
 - b) 8.
 - c) 10.
 - d) 15.
- 63) Which one of the following is the most common cause of diarrhoea in children?**
- a) E Coli.
 - b) Shigella.
 - c) Rotavirus.
 - d) Retrovirus.
- 64) The median of 9 observations is 20. If every observation is multiplied by 3, the median of the new set is:**
- a) 20.
 - b) 40.
 - c) 60.
 - d) 80.
- 65) Peripheral most unit for planning of family planning and other services under RCH programme is:**
- a) Sub-centre.
 - b) Block/Taluka.
 - c) PHC.
 - d) District.
- 66) The Mean of 12, 18, 20, 13, 17, 14, 16, 10 is:**
- a) 12.
 - b) 13.
 - c) 14.
 - d) 15.
- 67) Infant mortality rate is calculated per**
- a) 100,000 live births
 - b) 1,000
 - c) 10,000
 - d) 100
- 68) Best measure of central tendency:**
- a) Mean.
 - b) Median.
 - c) Mode.
 - d) None of the above.
- 69) Graph to correlate two quantitative data is:**
- a) Histogram.
 - b) Scatter diagram.
 - c) Line diagram.
 - d) Frequency curve.
- 70) All of the following can be analysed by chi-square test except:**
- a) Sex and stage of cancer.
 - b) Heart rate/min and age.
 - c) Benign or malignant and type of pregnancy.
 - d) Age group and cancer stage.

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71) Incineration is:

- a) High temperature reduction process.
- b) Low temperature reduction process.
- c) High temperature oxidation process.
- d) Low temperature oxidation process.

72) Which one of the following is a notifiable disease?

- a) Typhoid
- b) Cholera
- c) Rabies
- d) Meningitis

73) Which is not a measure of Central tendency:

- a) Mean.
- b) Median.
- c) Mode.
- d) Standard deviation.

74) Under National Health Mission which committee makes the plan for village health:

- a) Panchayat Health Committee.
- b) Village Health Committee and Management (VHPMC).
- c) Village Health Sanitation and Nutrition Committee (VHSNC).
- d) Roga Kalyan Samiti.

75) Which of the following is an omega-3 fatty acid:

- a) Linoleic acid.
- b) Alpha-linolenic acid.
- c) Arachidonic acid.
- d) Gamma linoleic acid.

76) What was the main purpose behind bringing Panchayati Raj system in India?

- a) To Prevent criminalization of politics
- b) Development of villages
- c) Decentralisation of the political power to the general peoples
- d) To reduce election expenses

77) Erythema Nodosum Leprosum (ENL) occurs due to lepromin test reaction:

- a) Due to lepromin test reaction.
- b) In those with tuberculoid leprosy.
- c) As a reaction to multidrug therapy.
- d) In those with lepromatous leprosy.

78) The Child Marriage Act amended in _____ (year) raised the minimum age of marriage for girls from 15 to 18 years.

- a) 1986
- b) 1976
- c) 1929
- d) 1991

79) Not included in not empowered action (EAC) states of India:

- a) UP.
- b) Bihar.
- c) Jharkhand.
- d) Maharashtra.

80) Which one is the most common route of HIV transmission?

- a) Sexual
- b) Blood transfusion
- c) Mother to child
- d) Needle stick injury

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81) Biological value is maximum of:

- a) Egg.
- b) Milk.
- c) Soyabean.
- d) Pulses.

82) All of the following are major driving forces of migration except:

- a) Cultural issues.
- b) Opportunity issues.
- c) Economic issues.
- d) Environmental issues.

83) Rural Health Scheme was introduced by:

- a) Bhore committee.
- b) Mukherjee committee.
- c) Shrivastava committee.
- d) Mudalian committee.

84) In which year NRHM launched

- a) 2004
- b) 2005
- c) 2006
- d) 2007

85) How many posts are reserved for women at all levels in Panchayati raj system.

- a) 1/3
- b) 1/2
- c) 2/3
- d) 1/4

86) A tool for increasing consensus among a large no. of people is:

- a) Chalk and talk method.
- b) Delphi method.
- c) Television.
- d) Interpersonal communication.

87) Blood pressure is measured in:

- a) Axillary artery.
- b) Carotid artery.
- c) Brachial artery.
- d) Radial artery.

88) Osmolarity is defined as:

- a) Number of osmole per litre.
- b) Number of osmole per kg.
- c) Weight of solute per litre.
- d) Weight of solvent per litre.

89) BMR (Basal metabolic rate) depends on which of the following?

- a) Body weight
- b) Surface area
- c) Height
- d) Amount of adipose tissue

90) Oncotic pressure is contributed by:

- a) Sodium.
- b) Chloride.
- c) Glucose.
- d) Albumin.