COMPUTER BASED TEST - 2023

PAPER - I / தாள் - I
COMMUNITY MEDICINE

1. The best method recommended by who for Malaria control in endemic areas is

   (A) Regular use of chloroquine

   (B) Vaccination

   (C) The use of pyrethrum impregnated bed nets

   (D) Genetic control of mosquitoes

   (E) Answer not known

2. In a town with population 1,00,000, a total of 50,000 slides were examined for Malaria in 1 year. Among these 100 cases of Malaria were confirmed. What is the annual parasite incidence of this town?

   (A) 0.1   (B) 0.5

   (C) 2   (D) 1

   (E) Answer not known

3. Sparsh leprosy awareness campaign is carried out with the help of

   (A) Village health and sanitation committee

   (B) USHA (Urban Social Health Activist)

   (C) Zilla Parishad

   (D) PHC Medical Officer

   (E) Answer not known

4. Match the prepacked STI/RTI colour coded kits :
   (a) Grey Kit   1. Inguinal Bubo
   (b) Red kit   2. Lower Abdominal pain
   (c) Yellow kit   3. Genital ulcers
   (d) Black kit   4. Urethral discharge

	(a)	(b)	(c)	(d)
(A)	1	4	3	2
(B)	4	3	2	1
(C)	2	1	4	3
(D)	3	2	1	4

   (E) Answer not known

5. Post exposure prophylaxis for HIV to an exposed person should ideally be initiated within
   (A) 24 hours
   (B) Three days
   (C) One week
   (D) Fourteen days
   (E) Answer not known

6. Temperature maintained to store messenger RNA Covid-19 vaccine is
   (A) $-25°C$ to $-15°C$
   (B) $-70°C$
   (C) $+2°C$ to $+8°C$
   (D) $-2°C$ to $-8°C$
   (E) Answer not known

7. Which of the following is an important HIV Antigen in determining the early detection of HIV infection?

   (A) p24
   (B) gp120
   (C) Gag gene
   (D) Pol gene
   (E) Answer not known

8. Regarding JE vaccines

   1. Live attenuated vaccines are based on the SA 14-14-2 strain

   2. The JE vaccine under National Immunisation programme is killed vaccine

   3. Under National Immunisation program JE vaccines are used only in Endemic areas

   (A) 1 and 2 are true 3 is false
   (B) 1 and 3 are true 2 is false
   (C) 1 true 2 and 3 are false
   (D) 1, 2 and 3 are true
   (E) Answer not known

9. In an area having annual parasite index of less than 2, the following to be done

   (A) Passive surveillance only
   (B) 2 rounds of DDT yearly
   (C) Entomological surveillance
   (D) All positive cases blood smear done monthly
   (E) Answer not known

10. One of the following is not true regarding transmission of Hepatitis A with respect to route of transmission

   (A) Faeco oral route in the major route

   (B) Parenteral route is very rare

   (C) Sexual transmission occur among homosexual men

   (D) Mother to child transmission during delivery/pregnancy in common

   (E) Answer not known

11. Which of the following is incorrectly paired?

1.	Culex Quinquefasciatus	–	Japanese Encephalitis
2.	Culex Tritaeniorhynchus	–	Bancroftian Filariasis
3.	Mansonia Uniformis	–	Brugian Filariasis
4.	Aedes Aegypti	–	Yellow fever

   (A) 1 and 3

   (B) 1 and 2

   (C) 2 and 3

   (D) 3 and 4

   (E) Answer not known

12. Which of the following are correct sequence of four stages of malaria parasite in mosquito?

(i) Ookinete

(ii) Zygote

(iii) Oocyst

(iv) Sporozoite

(A) (ii), (i), (iv), (iii)

(B) (i), (ii), (iii), (iv)

(C) (ii), (i), (iii), (iv)

(D) (i), (ii), (iv), (iii)

(E) Answer not known

13. What are WHO's 5Cs that apply to all models of hepatitis testing and in all settings?

(A) Consent, Confidentiality, Correct Test Result, Counselling and Connection

(B) Cleanliness, Confidentiality, Correct Test Result, Clarity, Conclusive

(C) Correctness, Conclusive, Clarity, Consent, Confidentiality

(D) Counselling, Consent, Confidentiality, Clarity, Conclusive

(E) Answer not known

14. Arrange the following steps taken in Polio Eradication and Endgame strategic plan in chronological order

   (a)   Switch from trivalent OPV to bivalent OPV

   (b)   Plan for eventual withdrawal of all OPV

   (c)   Introduce at least 1 dose of IPV into all routine immunization system

   (A)   (a), (b), (c)
   (B)   (c), (a), (b)
   (C)   (c), (b), (a)
   (D)   (a), (c), (b)
   (E)   Answer not known

15. Antiviral therapy for Hepatitis B is initiated when patient has

   (i)   Persistently Abnormal (ALT) Alanine Transaminase

   (ii)   Hepatitis B DNA > 20,000 lu/ml

   (iii) Cirrhosis

   (A)   (i)
   (B)   (ii)
   (C)   (iii)
   (D)   if either (ii) or (iii) are present
   (E)   Answer not known

16. Assertion [A] :   Radiological Examination of chest is the best method for detect of cases under the National Tuberculosis Elimination Programme.

    Reason [R]   :   Radiological Examination of the chest is the most reliable diagnostic method.

    Select the correct answer from the codes given below

    (A)   Both [A] and [R] are true and [R] is the correct explanation of [A]

    (B)   Both [A] and [R] are true but [R] is not the correct explanation of [A]

    (C)   [A] is true, [R] is false

    (D)   Both [A] and [R] are false

    (E)   Answer not known

17. Which of the following statements are true about Erythema Nodosum Leprosum?

    1.   Delayed Hypersensitivity reaction

    2.   Seen in multibacillary cases only

    3.   Reactions cause a general feeling of fever and malaise

    (A)   1 only

    (B)   1 and 2 only

    (C)   1 and 3 only

    (D)   2 and 3 only

    (E)   Answer not known

18. In the ancient medicine, "four humors theory" was followed in

    (i)   Greek medicine
    (ii)   Indian Medicine
    (iii) Mesopotamian medicine
    (iv)   Chinese medicine

    (A) (i) only   (B) (ii) and (iii) only

    (C) (i) and (iii) only   (D) (iii) only

    (E) Answer not known

19. A 2 year old male child with acute respiratory infection is assessed in OPD and observed to have Respiratory rate of 30 breaths per minute, neither chest indrawing nor any noisy breathing and adequately nourished is classified as a case of

    (A) Very severe disease
    (B) Severe pneumonia
    (C) Pneumonia (not severe)
    (D) No pneumonia; cough or cold
    (E) Answer not known

20. The Gold standard test for detecting current SARS-COV-2 infection in a susceptible person is

    (A) RT-PCR Test
    (B) Rapid Antigen Test
    (C) Serological Tests
    (D) Chest X-Ray
    (E) Answer not known

21. One of the following Infection/disease is spread by Droplet infection

(A) Typhoid

(B) Meningococcal Meningitis

(C) Human Immuno Deficiency Virus Disease

(D) Japanese Encephalitis

(E) Answer not known

22. The Bedaquiline (Bdq) drug inhibits which enzyme?

(A) Nitro Reductase

(B) ATP Synthase

(C) Alanine Ligase

(D) RNA Polymerase

(E) Answer not known

23. Which of the following statements are true about post measles complications?

(i) Persistent Diarrhoea

(ii) Vitamin A Deficiency

(iii) Croup

(A) (i), (ii) only

(B) (i), (ii), (iii)

(C) (i), (iii) only

(D) (ii) only

(E) Answer not known

24. Match the pair

(a) Health promotion   1. Screening
(b) Health protection   2. Literacy campaigns
(c) Early Diagnosis   3. Environmental Modification
(d) Rehabilitation   4. Family and Social relationships

	(a)	(b)	(c)	(d)
(A)	1	2	3	4
(B)	3	2	4	1
(C)	2	3	1	4
(D)	3	2	1	4

(E) Answer not known

25. Health Education charts serially flashed to a group while delivering a talk is known as

(A) Flannel Graphs
(B) Posters
(C) Flip charts
(D) Exhibits
(E) Answer not known

26. The Degree to which the message to be communicated is perceived as trustworthy is known as

(A) Credibility
(B) Comprehension
(C) Interest
(D) Motivation
(E) Answer not known

27. 15 members collect and record ideas of each member and finally comes to a decision. Identify the method of discussion.

(A) Panel discussion

(B) Workshop

(C) Brainstorming

(D) Debate

(E) Answer not known

28. Which of the following statements is true about Health Education?

(A) It prevents thinking

(B) Behavior centered

(C) Appeals to emotion

(D) Knowledge instilled

(E) Answer not known

29. Assertion [A] : Specialization has created problems for traditional doctor-patient relationship

Reason [R] : A specialist is concerned with particular organ or part of a body

(A) [A] is true [R] is false

(B) Both [A] and [R] are true; [R] is the correct explanation of [A]

(C) [A] is false, [R] is true

(D) Both [A] and [R] are true, [R] is not the correct explanation of [A]

(E) Answer not known

30. Match the following

   (a) Workshop   1. Series of lectures on subject by experts after which audience are allowed to speak

   (b) Symposium   2. Variety of methods like speeches, discussions and may last for half a day to a week

   (c) Role play   3. Series of meetings emphasising individual work within group

   (d) Seminar   4. Dramatisation of social situation for health education

	(a)	(b)	(c)	(d)
(A)	2	3	4	1
(B)	3	1	4	2
(C)	1	2	3	4
(D)	4	1	2	3

   (E) Answer not known

31. An office clerk badly criticized by his superior takes it out on his wife and children on reaching home. This is an example of ————— type of defence mechanism.

   (A) Regression

   (B) Displacement

   (C) Escape mechanism

   (D) Compensation

   (E) Answer not known

32. Which of the following statements are true regarding Kuppuswamy's socio-economic status scale?

    (i)   Education, Occupation and Income are calculated

    (ii)   Used in urban and rural areas

    (iii) < 5 score is lower class

    (iv) Type of house is taken as a criteria

    (A)   (i) only correct

    (B)   (i) and (ii) are correct

    (C)   (i) and (iii) are correct

    (D)   (i) and (iv) are correct

    (E)   Answer not known

33. The socio economic scale developed and used for rural setup

    1.   Pareek

    2.   Modified Kuppusamy

    3.   Modified B.G. Prasad

    4.   Kulshreshta

    (A)   3 only   (B) 2 and 3 only

    (C)   3 and 4 only   (D) 1 and 3 only

    (E)   Answer not known

34. The family type in which two (or) more primary families are joined horizontally is

    (A)   Three generation family

    (B)   Extended family

    (C)   Joint family

    (D)   Nuclear family

    (E)   Answer not known

35. Arrange the following stages of family cycle in chronological sequence (Basic model of a nuclear family)

    1.   Formation

    2.   Dissolution

    3.   Extension

    4.   Contraction

    5.   Complete extension

    6.   Complete contraction

    (A)   1 – 5 – 4 – 6 – 3 – 2

    (B)   1 – 3 – 5 – 4 – 6 – 2

    (C)   1 – 6 – 4 – 5 – 3 – 2

    (D)   1 – 4 – 3 – 6 – 5 – 2

    (E)   Answer not known

36. Which of the following is NOT an example for temporary social groups?

    (A)   Crowd   (B) Mob

    (C)   Herd   (D) Band

    (E)   Answer not known

37. Match the following :

Type of learning | Association
(a) Cognitive learning | 1. Skills
(b) Affective learning | 2. Knowledge
(c) Psychomotor learning | 3. Attitudes

	(a)	(b)	(c)
(A)	2	1	3
(B)	2	3	1
(C)	1	3	2
(D)	1 .	2	3

(E) Answer not known

38. When a new idea or acquired behaviour becomes part of His/Her own existing values, it is called

(A) Conviction

(B) Evaluation

(C) Internalization

(D) Interest

(E) Answer not known

39. Match the following :

(a) Sociology

1. Study of physical, social, and cultural history of man

(b) Anthropology

2. Learned behaviour which has been socially acquired

(c) Psychology

3. Study of human behaviour, attitudes and motivation

(d) Culture

4. Study of human relationship

	(a)	(b)	(c)	(d)
(A)	4	1	3	2
(B)	2	4	1	3
(C)	3	2	4	1
(D)	1	3	2	4

(E) Answer not known

40. Which is not a part of vital statistics?

(A) Registration of Birth

(B) Registration of Death

(C) Registration of patients in hospital

(D) Registration of marriage

(E) Answer not known

41. Dual record system consisting of continuous enumeration of birth and death. By an enumerator and an independent survey every six months by an investigator is called

   (A) (SRS) Sample Registration System

   (B) Census

   (C) CVIL Registration System

   (D) NFHS

   (E) Answer not known

42. Match the following pairs correctly

   (a) Continuous data   1. Gender
   (b) Discrete data   2. Socio economic status
   (c) Nominal data   3. Body temperature
   (d) Ordinal data   4. Number of students in class

	(a)	(b)	(c)	(d)
(A)	3	4	1	2
(B)	4	3	2	1
(C)	2	4	1	3
(D)	3	1	4	2

   (E) Answer not known

43. The correlation coefficient 'r' for correlation between weight and blood pressure was noted to be +0.75. It can be inferred as

   1. There is a strong positive correlation between weight and blood pressure

   2. There is a weak positive correlation between weight and blood pressure

   3. Increase in weight is the cause for increase in blood pressure

   4. 'r' value can be 0 or ±1, hence repeat study with higher sample size

   (A) 2 and 4 are correct

   (B) 1 and 3 are correct

   (C) only 4 is correct

   (D) only 1 is correct

   (E) Answer not known

44. The diastolic blood pressure of 10 individuals are : 91, 79, 88, 84, 81, 83, 88, 93, 78, 85. The median diastolic blood pressure is

   (A) 850

   (B) 88

   (C) 85

   (D) 84.5

   (E) Answer not known

45. The best graphical method for representing a data to "Man in Street" is

 (A) Bar diagram

 (B) Pie diagram

 (C) Pictogram

 (D) Line diagram

 (E) Answer not known

46. The following are true about standard normal curve EXCEPT

 (A) The mean, median and mode coincide

 (B) Standard deviation is 0.1

 (C) Area under the curve is 1

 (D) It is a bell shaped curve

 (E) Answer not known

47. Continuous data are best presented by

 (A) Bar chart

 (B) Pie chart

 (C) Pictogram

 (D) Histogram

 (E) Answer not known

48. Not required for Chi-square test

   (A) Null hypothesis

   (B) Degree of freedom

   (C) Means in different groups

   (D) Proportion in different groups

   (E) Answer not known

49. Assertion [A] : In a prevalent disease like diabetes for which treatment does not markedly alter outcome specificity must be high.

   Reason [R] : Health system will be over burdened by the diagnostic demands of the positives both true positives and false positives.

   (A) [A] is true But [R] is false

   (B) Both [A] and [R] are true and [R] is the correct explanation of [A]

   (C) [A] is false, [R] is true

   (D) Both [A] and [R] are true, but [R] is not the correct explanation of [A]

   (E) Answer not known

50. Lead time refers to time between

   (A) Disease onset and first critical diagnosis

   (B) Disease onset and first possible point of detection

   (C) First possible point of detection and first critical diagnosis

   (D) First point of detection and usual time of detection

   (E) Answer not known

51. Which of the following statements are correct regarding screening of diseases?

    1.   Sensitivity $\propto$ prevalence of disease

    2.   Accuracy = sensitivity + specificity

    3.   Screening test is used as a basis for treatment

    4.   Reliability is the ability of test to repeat same results

    (A)   1 and 4

    (B)   2 and 3

    (C)   1 and 3

    (D)   2 and 4

    (E)   Answer not known

52. In a study, researcher is unable to gather all details regarding exposures, from subject. The encountered bias in this study is

    (A)   Information bias

    (B)   Selection bias

    (C)   Exclusion bias

    (D)   Confounding bias

    (E)   Answer not known

53. Assertion [A] :   Direct standardisation is used to compare the mortality rates between two countries.

Reason [R] :   It is done to eliminate differences in cause of death.

   (A)   [A] is true But [R] is false
   (B)   Both [A] and [R] are true; and [R] is the correct explanation of [A]
   (C)   [A] is false, [R] is true
   (D)   Both [A] and [R] are true, but [R] is not the correct explanation of [A]
   (E)   Answer not known

54. Which among the following is not a human vaccine adjuvant?
   (A)   MF 59
   (B)   AF 03
   (C)   RF 02
   (D)   Virosomes
   (E)   Answer not known

55. Open vial policy does not apply to which of the following vaccines
   (A)   DPT
   (B)   OPV
   (C)   BCG
   (D)   Hepatitis B
   (E)   Answer not known

56. Assertion [A] : Events like homicide have zero prevalence.

Reason [R] : The event is short-lived.

(A) [A] is true but [R] is false

(B) Both [A] and [R] are true; and [R] is the correct explanation of [A]

(C) [A] is false, [R] is true

(D) Both [A] and [R] are true, [R] is not the correct explanation of [A]

(E) Answer not known

57. Which of the following statements are true about quarantine?

(i) Not longer than the longest incubation period of disease

(ii) It applies to restrictions on the infected persons

(iii) Exclusion of children from school is an modified quarantine

(A) (i) only

(B) (i) and (iii) only

(C) (i) and (ii) only

(D) (ii) and (iii) only

(E) Answer not known

58. Match the following disease with methods of biological transmission in the vectors :

    (a) Plague bacilli in rat fleas   1. Transovarial
    (b) Malarial parasite in mosquito   2. Propagative
    (c) Microfilaria in mosquito   3. Cyclo-propagative
    (d) Dengue in mosquito   4. Cyclo-developmental

	(a)	(b)	(c)	(d)
(A)	1	2	3	4
(B)	4	3	2	1
(C)	3	1	4	2
(D)	2	3	4	1
(E)	Answer not known

59. Several studies have shown that 85% of cases of lung cancer are due to cigarette smoking. It is a measure of

    (A) Incidence rate
    (B) Relative risk
    (C) Population attributable risk
    (D) Attributable risk
    (E) Answer not known

60. The following regarding herd immunity are true except

    (A) Herd structure is constant
    (B) It is mostly due to sub clinical infection
    (C) Can be acquired by immunisation
    (D) Spread of epidemic is influenced by it
    (E) Answer not known

61. Secondary attack rate is defined as

(A) Number of total cases developing diseases with in maximum incubation period

(B) Number of cases developing disease within incubation period following exposure to primary case

(C) Number of cases developing disease after exposure to primary case in any period of time

(D) Number of cases developing disease after exposure to secondary case

(E) Answer not known

62. Assertion [A] : In prevalence study exposure and outcome are measured simultaneously

Reason [R] : Prevalence study helps to establish cause effect relationship

(A) Both [A] and [R] are true and [R] is the correct explanation of [A]

(B) Both [A] and [R] are true, but [R] is not the correct explanation of [A]

(C) [A] is true and [R] is false

(D) Both [A] and [R] are false

(E) Answer not known

63. Equal opportunity for everyone-availability of health services is a component of

(A) Health equality

(B) Health equity

(C) Equal distribution

(D) Health disparity

(E) Answer not known

64. Which among the following is <u>not</u> a manpower requirement for a Primary Health Centre (PHC) as per Indian public health standards?

(A) Medical officer – MBBS

(B) Dental surgeon ✓

(C) Laboratory technician

(D) Pharmacist

(E) Answer not known

65. In sustainable development goal-3, the main target relation to infectious diseases is

(A) SDG - 3.4

(B) SDG - 3.1

(C) SDG - 3.3 ✓

(D) SDG - 3.9

(E) Answer not known

66. Global strategy for health for all was formulated by the ——————— world health assembly

(A) 31st

(B) 34th ✓

(C) 36th

(D) 29th

(E) Answer not known

67. The first referral level in the healthcare system is

(A) Subcentre

(B) Primary Health centre

(C) District hospitals ✓

(D) Teaching hospitals

(E) Answer not known

68. Arrange the following public health events in chronological order :

   (1) Covid-19 pandemic

   (2) National rural health mission launched

   (3) Niti Aayog established

   (4) Pandemic influenza A (H_1N_1) outbreak

   (A) 2, 3, 1, 4
   (B) 1, 2, 4, 3
   (C) 2, 4, 3, 1
   (D) 3, 1, 4, 2
   (E) Answer not known

69. Number of Targets included in Goal 3 of sustainable development goals (SDG) are

   (A) 13   (B) 16
   (C) 17   (D) 18
   (E) Answer not known

70. Correct statement for type B primary health centre is

   (A) Conducts > 20 Deliveries /month
   (B) Covers 100000 population
   (C) Conducts < 20 deliveries/month
   (D) Contains 5-10 Beds
   (E) Answer not known

71. Which of the following does not belong to urban area local self government institutions?

(A) Community development block

(B) Town area committee

(C) Municipal boards

(D) Corporations

(E) Answer not known

72. "PERT" technique is used in which of the following health management analysis?

(A) Network analysis

(B) Cost-effective analysis

(C) Input output analysis

(D) System analysis

(E) Answer not known

73. Choose the right matches

    1. Panchayat   –   5000-15,000 population

    2. Panchayat Samiti   –   5000-1500 population

    3. Zilla Parishad   –   MP, MLA of district are members

    4. Zilla Parishad   –   District collector, a voting member

(A) 1 and 3 are correct

(B) 2 and 4 are correct

(C) 1 and 4 are correct

(D) 2 and 3 are correct

(E) Answer not known

74. Management concerns of four 'M's. Three of them are men, money, moment; fourth 'M' is

    1. Mania
    2. Masters
    3. Managers
    4. Materials

    (A) 1   (B) 2
    (C) 3   (D) 4
    (E) Answer not known

75. Urban area with population ranging between 10,000 and 2,00,000 is organized under localized self government termed

    (A) Town area committee
    (B) Corporation
    (C) Municipal board
    (D) None of the above
    (E) Answer not known

76. All of the following are objectives of national health policy-2017 except

    (A) Reduction of TFR to 2.1 by 2025.
    (B) >90% of the new born are fully immunised by 1 year of age by 2025
    (C) Relative reduction in prevalence of current tobacco use by 15% by 2025
    (D) Increase health expenditure by Government from 1.15% of GDP to 2.5% of GDP by 2025.
    (E) Answer not known

77. Pick up the correct pair/s

    1.   Pert   –   Longest path of the network

    2.   Organizational design –   Management method on behavioural sciences

    3.   SDG   –   Target year 2030

    4.   Cost accounting   –   Benefits as number of lives saved

    (A)   1 and 2

    (B)   2 and 3 ✓

    (C)   2, 3 and 4

    (D)   3 and 4

    (E)   Answer not known

78. The most cost effective tool for disease prevention is

    (A)   Screening

    (B)   Health education

    (C)   Immunization ✓

    (D)   Self care

    (E)   Answer not known

79. What is the full form of NITI Aayog?

    (A)   National institute for Transforming India

    (B)   National institute for Transformation India

    (C)   National institution for Transforming India ✓

    (D)   National Institution for Transformation India

    (E)   Answer not known

80. Following are the steps involved in planning cycle. Arrange the events in chronological order

    1.   Establish of objectives and goals

    2.   Assessment of resources

    3.   Analysis of health situation

    4.   Fixing priorities

    (A)   2, 3, 1, 4

    (B)   3, 1, 2, 4 ✓

    (C)   2, 4, 3, 1

    (D)   3, 2, 4, 1

    (E)   Answer not known

81. Which of the following is true about International Classification of Functioning, disability and health (ICF)?

    1.   Classifies functioning and disability associated with health conditions

    2.   Focuses on consequences of disease

    3.   Is a tool for measuring functioning in society

    (A)   1 only

    (B)   1 and 3 only ✓

    (C)   1 and 2 only

    (D)   2 and 3 only

    (E)   Answer not known

82. The modes of intervention under secondary prevention are

   (A)   Disability limitation and rehabilitation

   (B)   Early diagnosis and treatment

   (C)   Health promotion and specific protection

   (D)   Prevention of risk factors

   (E)   Answer not known

83. Immunisation is an example of

   (A)   Primordial prevention

   (B)   Primary prevention

   (C)   Secondary prevention

   (D)   Tertiary prevention

   (E)   Answer not known

84. Which of the following is true regarding human development index?

   (A)   Its value ranges from 0 to 100

   (B)   It considers longevity, literacy and income

   (C)   Lower the value better is HDI

   (D)   Countries with similar per capita income will have same HDI values

   (E)   Answer not known

85. The Basic Reproductive number (R_0) can be interpreted as the number of

    (A)   Secondary cases per one incubation period

    (B)   Secondary cases per one generation time

    (C)   Secondary cases per one case of infectious disease

    (D)   Secondary cases per one contact with infectious disease

    (E)   Answer not known

86. The "Web of Causation" model of disease causation was suggested by

    (A)   Mac Mahon and Pugh   (B) Edward Jenner

    (C)   John Snow   (D) Louis Pasteur

    (E)   Answer not known

87. Pap smear testing is which level of prevention

    (A)   Primordial Prevention   (B) Primary Prevention

    (C)   Secondary Prevention   (D) Tertiary Prevention

    (E)   Answer not known

88. A Village has total of 100 under five children measles vaccine coverage in this age group is 60% (Assuming 100% efficacy). Following the occurrence of measles case in a child after a visit outside twenty six children developed measles. The secondary attack rate of measles is

    (A)   25%   (B) 40%

    (C)   50%   (D) 66%

    (E)   Answer not known

89. A sub-centre in Hilly, Tribal and Backward Areas caters to a population of

    (A)   1000

    (B)   2000

    (C)   3000

    (D)   5000

    (E)   Answer not known

90. Triangle of Epidemiology stands for

    (A)   Interaction of Agent, Host and Environment

    (B)   Interaction of Agent, Host Environment and Time

    (C)   Interaction and Interdependence of Agent, Host and Environment

    (D)   Interaction and Interdependence of Agent, Host, Environment and Time

    (E)   Answer not known

91. 'Standard of Living' depends on :

    (A)   Per Capita Income

    (B)   Per Capita Gross National Product (GNP)

    (C)   Gross Domestic Product

    (D)   Family Income

    (E)   Answer not known

92. Which is the best Index for Burden of disease and effectiveness of Interventions?

    (A) Case Fatality Rate

    (B) Disability Adjusted Life Years (DALY) ✓

    (C) Dependency Ratio

    (D) Morbidity Data

    (E) Answer not known

93. Choose the correct answer about Human Development Index

    (i)   Life expectancy at age one

    (ii)   Mean years of schooling

    (iii) Ranges from 0 to 100

    (iv)   Per capita gross national income

    (A) (i) and (ii)

    (B) (i) and (iii)

    (C) (ii) and (iv) ✓

    (D) (ii) and (iii)

    (E) Answer not known

94. The rate reflecting both Infant and Child mortality rate is

    (A) Age specific death rate

    (B) Child death rate

    (C) Under-5 proportionate mortality rate ✓

    (D) Infant mortality rate

    (E) Answer not known

95. Standard set of 100 core indicators prioritized by the Global community to provide concise information on the health situation and trends, including responses at National and Global Levels is

    (A) Sustainable Development Goals
    (B) Health for All Indicator
    (C) Health Index
    (D) Global reference list of core Health Indicators
    (E) Answer not known

96. Consider the following statements are true about Chinese medicine

    (i)   Code of Hammurabi
    (ii) Yang and Yin Principle
    (iii) Accupuncture

    (A) (i) only
    (B) (i), (ii) only
    (C) (ii), (iii) only
    (D) (i), (iii) only
    (E) Answer not known

97. The concept of Health in Ayurvedic Medicine is a state of balance between

    (A) Four Primary Humors   (B) Three Primary Humors
    (C) Five Natural Elements   (D) None
    (E) Answer not known

98. Who Discovered Circulation of Blood in 1628?

   (A) Leevwenhoek   (B) Jener
   (C) Harvey   (D) Morgagni
   (E) Answer not known

99. The founder of Biostatistics is

   (A) Ambroise pare   (B) John Hunter
   (C) John Graunt   (D) Samuel Hahnemann
   (E) Answer not known

100. Contact Lenses for Refractory Error is an example of

   (A) Primary Prevention   (B) Secondary Prevention
   (C) Disability Limitation   (D) Rehabilitation
   (E) Answer not known

101. Sanitary Awakening concept was given by

   (A) John Snow   (B) Louis Pasteur
   (C) Edwin Chadwick   (D) Robert Koch
   (E) Answer not known

102. Which of the following programme was Launched to ensure complete Immunization of Children?

   (A) Mission Vandemataram   (B) Mission Indra Yojana
   (C) Mission Suraksha Yojana   (D) Mission Indra Dhanush
   (E) Answer not known

103. Who are the Health and Wellness Ambassadors in School Health Programmes?

(A) Two female teachers from different school

(B) One male and one female from different school

(C) One male and one female from same teachers school

(D) Two female teachers from same school

(E) Answer not known

104. Choose the Beneficiaries who are correctly matched with corresponding National Health Schemes.

(i) Antenatal Mothers — Janani Suraksha Yojana

(ii) Adolescents — Rashtriya Kishore Swasthya Karyakaram

(iii) Geriatric Age group — Rashtriya Varishth Jan Swasthya Yojana

(iv) New Born — Nirmal Bharat Abhiyan

(A) Only (i) is correct

(B) (i) and (iv) are correct

(C) (i), (ii), (iii) are correct

(D) (i), (ii), (iii) and (iv) are correct

(E) Answer not known

105. Which is/are the objectives of a RMNCH + A Strategy – 2013?

   (i) Reduction of Infant Mortality Rate to 30 per 1,000 Live Births by 2017

   (ii) Reduction Maternal Mortality Ratio to 80 per 1,00,000 Live Births by 2017

   (iii) Reduction in Total Fertility Rate to 2.1 by 2017

   (A) (i) only

   (B) (ii) and (iii) only

   (C) (i) and (ii) only

   (D) (iii) only

   (E) Answer not known

106. RMNCH + A is the Flagship Programme under National Health Mission, under this programme which of the following is not covered for adolescents?

   (A) School Health Examinations   (B) Iron Supplementation

   (C) Nutritional Education   (D) Pneumonia Treatment

   (E) Answer not known

107. Kilkari is an interactive voice response based Mobile Service for.

   (A) HIV/TB support Care

   (B) Maternal and Child Health Care

   (C) Geriatric Health Care

   (D) Adolescent Health Care

   (E) Answer not known

108. In a Town with 2,50,000 population, 4050 births were recorded over a period of 1 year. Among these births, 50 were still births, 50 died in the first week of life and 150 died within 8-28 days of life. What is the Neonatal Mortality Rate of this population?

(A) 50 per 1,000 live births
(B) 12.5 per 1,000 live births
(C) 50 per 10,000 live births
(D) 12.5 per 10,000 live births
(E) Answer not known

109. The percentage of low Birth Weight is computed as

(A) $\dfrac{\text{Live born Babies with Birth Weight less than 2.5 kg}}{\text{Total no of Live Births + Dead born}} \times 100$

(B) $\dfrac{\text{Live born Babies with Birth Weight less than 3 kg}}{\text{Total No of LiveBirths}} \times 100$

(C) $\dfrac{\text{Live born Babies with Birth Weight less than 2.5 kg}}{\text{Total No of Live Births}} \times 1000$

(D) $\dfrac{\text{Live born Babies with Birth Weight less than 2.5 kg}}{\text{Total No of Live Births}} \times 100$

(E) Answer not known

110. Desirable Desk type recommended in Healthful School Environment for a child is

(A) 'Plus' Desk
(B) 'Minus' Desk
(C) 'Zero' Desk
(D) 'Multiple' Desk
(E) Answer not known

111. Assertion [A] :   Kangaroo care was introduced for children born with low apgar score.

Reason [R] :   Kangaroo care combats Neonatal Hypothermia

(A)   [A] is true, but [R] is false.

(B)   Both [A] and [R] are true, and [R] is the correct explanation of [A]

(C)   [A] is false, [R] is true

(D)   Both [A] and [R] are true, but [R] is not the correct explanation of [A]

(E)   Answer not known

112. The following is an age independent criteria for anthropometric measurement in under-5 five children.

(A)   Weight   (B) Mid arm circumference

(C)   Head circumference   (D) Height

(E)   Answer not known

113. Choose the right answer type in IMNC I, the 'Danger signs' to check are

(i)   Convulsions

(ii) Diarrhoea

(iii) Ear problems

(iv) Vomiting

(A)   (i) and (ii)   (B) (ii) and (iii)

(C)   (i) and (iv)   (D) (ii) and (iv)

(E)   Answer not known

114. Choose the right answer :

In electrical cold chain equipment, the Walk-In Freezers (WIF) temperature is maintained at

(A) +2°C to +8°C   (B) –2°C to –8°C

(C) –15°C to –25°C   (D) –7°C

(E) Answer not known

115. Open vial policy is applicable for which of the following vaccines

1. Japanese encephalitis vaccine

2. Hepatitis B vaccine

3. BCG vaccine

4. DPT vaccine

(A) 3 and 4 are correct   (B) 1 only correct

(C) 2 and 4 are correct   (D) 2 only correct

(E) Answer not known

116. According to WHO, criteria for moderate anaemia among pregnant women is haemoglobin value of

(A) 8 – 10.9 gm/dl   (B) 7 – 9.9 gm/dl

(C) 10 – 11.9 gm/dl   (D) 6 – 7.9 gm/dl

(E) Answer not known

117. Which vaccine is contraindicated in pregnancy?

(A) Rubella   (B) Diptheria

(C) Tetanus   (D) Hepatitis B

(E) Answer not known

118. In a Town there were 2,500 live birth in a period of 6 months. During the same period 15 women died due to following causes. What is the maternal mortality ratio? The maternal death causes given below :

Peripartum infection – (5),

Electrocution – (5)

Obstructed labor – (2),

Postpartum Haemorrhage – (3)

(A) 400 Per 1,00000 live births   (B) 6 Per 1,00000 live births
(C) 40 Per 1,000 live births   (D) 60 Per 1,000 live births
(E) ·Answer not known

119. Minimum number of antenatal visits during the entire period of pregnancy should be

(A) Two   (B) Four
(C) Five   (D) Three
(E) Answer not known

120. All of the following are eligibility criteria for female sterilisation EXCEPT

(A) Clients age should not be less than 22 years or more than 49 years
(B) Client should be married
(C) Client or her spouse must not have undergone sterilisation in the past
(D) Atleast two living children should be present
(E) Answer not known

121. The emergency contraceptive pill should be used within a maximum period of

(A) 24 hours   (B) 48 hours

(C) 72 hours   (D) 96 hours

(E) Answer not known

122. Which among the following is an absolute contraindication for the use of oral contraceptive pills?

(A) Undiagnosed abnormal uterine bleeding

(B) Ovarian cysts

(C) Fibroadenoma of breast

(D) Pelvic inflammatory disease

(E) Answer not known

123. Correctly match the pregnancy rates (contraceptive failure rate) to the corresponding intra uterine device

1.	T cu – 380 A	–	2%
2.	T cu – 200	–	3%
3.	Levonorgestrel IUD	–	0.2%
4.	Progesterone IUD	–	0.3%

(A) 1 and 2 correct   (B) 2 and 3 correct

(C) 3 and 4 correct   (D) 4 and 1 correct

(E) Answer not known

124. Which of the following statement are correct :

Use of contraceptive pills provides protection?

I. Fibroadenoma

II. Ectopic pregnancy

III. Ovarian cyst and Iron deficiency anemia

(A) I and II   (B) I and III

(C) II and III   (D) I, II, III

(E) Answer not known

125. 'UNMET' need of contraceptive is for

(A) Contraception desired

(B) Sexually inactive female

(C) Family planning in those who are not using any contraceptive, but not willing for pregnancy

(D) Women younger than 25 years

(E) Answer not known

126. The average number of children a woman would have if she has to pass through the reproductive years bearing children at the same rates as the women now in each age group is the definition for

(A) Net Reproduction Rate   (B) Total Fertility Rate

(C) Gross Reproduction Rate   (D) General Fertility Rate

(E) Answer not known

127. The literacy rate of a community with a total population of 10,000 with 2,000 children from 0 – 6 yrs of age and 4000 literate individuals above 7 yrs of age. What is the effective literacy rate?

(A) 20%   (B) 40%

(C) 50%   (D) 30%

(E) Answer not known

128. Reason [R] and Assertion [A] :

[A] :   Mortality data of our country which are relatively easy to obtain have certain limitations.

[R] :   There is an incomplete reporting of deaths in developing countries like India.

(A) [A] is correct, [R] is wrong

(B) [A] is wrong, [R] is correct

(C) Both [A] and [R] are correct, [R] is not the correct explanation for [A]

(D) Both [A] and [R] correct, [R] is the correct explanation for [A]

(E) Answer not known

129. Choose right statement about demographic cycle

1. In late expanding phase birth does not exceed death

2. Low stationary phase is seen in Germany and Hungary

3. In early expanding phase birth rate and death rate declines

4. Low stationary phase is seen in most industrialised countries

(A) 1   (B) 2

(C) 3   (D) 4

(E) Answer not known

130. District mental health programme essentially include

(A) Life skill education in schools

(B) Homicide prevention services

(C) Ban the over the counter sale of anti psychotic drugs

(D) Psychiatrist appointed in every PHCS

(E) Answer not known

131. Components of district mental health programme include

1. OPD and Indoor services

2. Providing data for future planning

3. Rehabilitation

4. Training programmes for all workers at the nodal institute

(A) 1, 2 and 3   (B) 1, 2 and 4

(C) 2, 3 and 4   (D) 1, 3 and 4

(E) Answer not known

132. The Acronym 'COTPA' stands for

(A) Control of Tobacco Products Act

(B) Control of Tobacco and Prevention Act

(C) Cigarettes and Other Tobacco Products Act

(D) Cigarettes and Official Tobacco Products Act

(E) Answer not known

133. Match correctly the classifications of blood pressure measurements :

	Category		Systolic/Diastolic
(a)	Grade II hypertension	1.	120 – 129/80 – 89
(b)	Normal	2.	160 – 179/100 – 109
(c)	Grade I hypertension	3.	130 – 139/85 – 89
(d)	High normal	4.	140 – 159/90 – 99

	(a)	(b)	(c)	(d)
(A)	2	1	4	3
(B)	1	2	4	3
(C)	4	1	2	3
(D)	3	1	4	2
(E)	Answer not known			

134. "DASH" diet plan is recommended for control of

(A) Diabetes   (B) Hypertension

(C) Cancer   (D) Dyslipidemia

(E) Answer not known

135. Which of the following is not true about dependence producing volatile solvent?

(A) Are CNS stimulants

(B) Produce euphoria

(C) Leads to PNS damage in long time use

(D) Produce delusions

(E) Answer not known

136. Project 'Monica' is concerned with

    (A)   Monitoring of trends and determinants of cardiovascular diseases

    (B)   Newer methods of diagnosis of CHD

    (C)   Provision of acute coronary care

    (D)   Primordial prevention of CHD

    (E)   Answer not known

137. Primordial prevention of myocardial infarction are all Except

    (A)   Maintenance of normal body weight

    (B)   Regular physical activity

    (C)   Change in nutritional habits

    (D)   Screening for hypertension

    (E)   Answer not known

138. Primary health care in India. In the existing Health care delivery system, one sub-centre is established on the basis for

    (A)   Every 5,000 general population

    (B)   Every 5,000 tribal population

    (C)   Every 10,000 general population

    (D)   Every 1,000 tribal population

    (E)   Answer not known

139. Reverse smoking is commonly associated with which cancer

    (A)   Small cell carcinoma of Lung

    (B)   Epidermoid carcinoma of hard palate

    (C)   Adenocarcinoma of salivary gland

    (D)   Epidermoid carcinoma of soft palate

    (E)   Answer not known

140. Assertion [A] : Govt. of India has initiated National Oral Health Programme during the year 2014 – 2015.

Reason [R] : Most oral diseases share modifiable risk factors common to NCD's such as cardio vascular disease, cancer, diabetes.

(A) [A] is true but [R] is false

(B) [A] is false, [R] is true

(C) Both [A] and [R] are true and [R] is the correct explanation of [A]

(D) Both [A] and [R] are true but [R] is not the correct explanation of [A]

(E) Answer not known

141. A community medicine interm was studying a specific area using population based cancer registry which covers the complete cancer situation in a geographic area. Which of the following is correct base population for a population based cancer registry?

(A) 1–2 Million

(B) 1–3 Million

(C) 1–5 Million

(D) 2–7 Million

(E) Answer not known

142. In screening of breast cancer under cancer prevention strategy, the basic techniques for early detection of breast cancer are all of the following except

(A) Breast self examination

(B) Clinical breast examination by a physician

(C) Computed tomography scan

(D) Thermography

(E) Answer not known

143. Which among the following obesity indices was based on only weight of the individual?

   (A)   Quetlet's index

   (B)   Ponderal index

   (C)   Brocca index

   (D)   Corpulence index

   (E)   Answer not known

144. Lorentz formula for calculating obesity

   (A) $H + (in\ cm) - 100 - \dfrac{H + (cm) - 150}{2(women)\ or\ 4(men)}$

   (B) $H + (in\ cm) - 100 - \dfrac{H + (cm) - 100}{2(women)\ or\ 4(men)}$

   (C) $H + (in\ cm) - 100 - \dfrac{H + (in\ cm) - 150}{4(women)\ or\ 2(men)}$

   (D) $H + (in\ cm) - 100 - \dfrac{H + (in\ cm) - 100}{4(women)\ or\ 2(men)}$

   (E)   Answer not known

145. Height in (CMS) minus 100 is the formula for —————————

   (A)   Quetlet's index

   (B)   Ponderal index

   (C)   Brocca index

   (D)   Lorentz index

   (E)   Answer not known

146. Risk of comorbidities associated with BMI is severe at what level of BMI as per WHO

    (A) < 18.50
    (B) 35.00 – 39.99
    (C) 18.50 – 24.99
    (D) 50.00 and more
    (E) Answer not known

147. Government of India established NITI AAYOG

    (A) On January 1st, 2017
    (B) To Replace census commission
    (C) Which means National implementation of transforming India
    (D) To emerge as 'THINK-TANK' for providing strategic and technical advice
    (E) Answer not known

148. Best and commonly used method of disposal of hospital waste is

    (A) Manure pits
    (B) Incineration
    (C) Composting
    (D) Dumping
    (E) Answer not known

149. Swajaldhara programme was launched to

    (A) Eradicate Open Defecation
    (B) Provide Safe Drinking Water
    (C) Build Rural Housing
    (D) Clean Streets and Roads
    (E) Answer not known

150. Sharps are treated and disposed by

   (A)   Hydroclaving and encapsulation

   (B)   Micro waving and road making

   (C)   Plasma pyrolysis

   (D)   Autoclaving and Shredding

   (E)   Answer not known

151. An intern wants to dispose the needles from needle tip cutter after a vaccination drive. Which of the following bin will you advice for the intern?

   (A)   Yellow Bin

   (B)   Blue Bin

   (C)   White Bin

   (D)   Red Bin

   (E)   Answer not known

152. A patient from rural village presented to the PHC with abdominal colic, obstinate constipation blue line on gums, wrist drop, and pallor. Which of the following poison can cause this condition?

   (A)   Mercury

   (B)   Arsenic

   (C)   Organic lead

   (D)   Inorganic lead

   (E)   Answer not known

153. A 40 year old man working in a cardboard manufacturing unit for the past 5 years, complained of breathlessness, cough, hemoptysis and fever. X-ray showed mottling in the lungs, there is impairment of pulmonary function. The most probable diagnosis is

(A) Bagassosis ✓

(B) Byssinosis

(C) Asbestosis

(D) Farmer's lung

(E) Answer not known

154. Which of the following is/are incorrectly paired?

1) Bagassosis   —   Coal dust

2) Byssinosis   —   Cotton fibre

3) Anthracosis   —   Iron dust

4) Farmer's Lung   —   Mouldy hay

(A) 2 and 4 only

(B) 2 only

(C) 3 only

(D) 1 and 3 only ✓

(E) Answer not known

155. Medical measures for prevention of occupational disease include

    1.   Place the right man in the right job, which permits efficient work with no detriment to health

    2.   Examining the workers periodically

    3.   Mechanization to the fullest possible extent to reduce hazards

    4.   Usage of protective devices such as respirators and gas mask

    (A)   2, 3, 4 are correct

    (B)   1 and 2 are correct

    (C)   2 and 4 are correct

    (D)   1, 2, 4 are correct

    (E)   Answer not known

156. The best approach to control arthropods is

    (A)   Environment control

    (B)   Chemical control

    (C)   Biological control

    (D)   Genetic control

    (E)   Answer not known

157. Mites are the vectors of the following diseases except

    (A)   Scabies

    (B)   Scrub typhus

    (C)   Rickettsialpox

    (D)   Kyasanur forest disease

    (E)   Answer not known

158. The size of the openings in the mosquito net should not exceed

    (A)   0.00475 inch

    (B)   0.475 inch

    (C)   0.0475 inch

    (D)   0.575 inch

    (E)   Answer not known

159. Which of the following disease is transmitted by Aedes Aegypti?

    (i)   Yellow Fever

    (ii)   Chikungunya Fever

    (iii)   Rift Valley Fever

    (iv)   Japanese Encephalitis

    (A)   (i), (ii) and (iv) only

    (B)   (i) and (iii) only

    (C)   (ii), (iii) and (iv) only

    (D)   (i), (ii) and (iii) only

    (E)   Answer not known

160. Which of the following is/are incorrectly paired regarding light measurement units?

    1.   Brightness of point source   –   Candela

    2.   Flow of light   –   Lumen

    3.   Amount of light reaching the surface   –   Lambert

    4.   Amount of light Re-Emited by surface –   Lux

    (A)   1 and 3 only

    (B)   3 and 4 only ✓

    (C)   2 and 4 only

    (D)   1 and 2 only

    (E)   Answer not known

161. The water vapour and pollutant tend to get trapped in the lower most layer of the atmosphere in winter. What is the reason behind this occurrence?

    (A)   Green house effect

    (B)   Temperance inversion ✓

    (C)   Ocean effect

    (D)   Precipitation

    (E)   Answer not known

162. Statement is correct regarding the standard of ventilation is

    (i)   Combination of Doors and Windows should be 2/5th of floor area

    (ii)   Air changes required per hour is 4-6 in living room

    (iii)   Floor area in living room should not be less than 100 sq.ft.

    (iv)   Cubic space should be 500 cubic feet percapita

    (A)   (i) only

    (B)   (ii) and (iii)

    (C)   (ii) and (iv)

    (D)   (i) and (iv)

    (E)   Answer not known

163. According to the WHO, what is the minimum bacteriological standard for drinking water?

    (A)   All the samples should not contain coliform organisms

    (B)   3 conservative samples of water should not contain any coliforms

    (C)   3 coliforms in a 100 ml water

    (D)   1 coliforms in a 100 ml water

    (E)   Answer not known

164. The predicted four-hour sweat rate (P$_4$SR) for describing the environment as comfort zone is

    (A)   4 – 5 liters

    (B)   3 – 4 liters

    (C)   5 – 8 liters

    (D)   1 – 3 liters

    (E)   Answer not known

165. Choose the right answer

The Recommended illumination (Lux)

Level (The – IES code) for the visual task of casual reading.

(A)   400 lux

(B)   100 lux

(C)   1300 lux

(D)   900 lux

(E)   Answer not known

166. Indicators of water pollution includes the following except

(A)   Amount of total suspended solids

(B)   Biochemical oxygen demand at 30°C

(C)   Biochemical oxygen demand at 20°C

(D)   Absence of dissolved oxygen

(E)   Answer not known

167. A trader was proven for food adulteration, which resulted not as grievous hurt. Under prevention of food adulteration act, he will get punishment that includes

(i)   Minimum of 6 months imprisonment

(ii)   Minimum of 1 year imprisonment

(iii) Minimum fine of Rs. 1,000/-

(iv)   Minimum fine of Rs. 5,000/-

(A)   (ii) and (iv)

(B)   (ii) and (iii)

(C)   (i) and (iii)

(D)   (i) and (iv)

(E)   Answer not known

168. Which of the following is true about NIDDCP National Iodine Deficiency Disorder Control Programmes?

(A) Govt. of India upgraded the National Goiter Control Program (NGCP) into NIDDCP during 1993

(B) Iodine content of salt should be more than 30 ppm at consumer level

(C) National reference laboratory for monitoring IDD has been setup at biochemistry division of National Institute of Communicable Diseases (NICD) Kolkata

(D) Secondary level of laboratory monitoring of NIDDCP is estimation of UIE (Urinary Iodine Excretion)

(E) . Answer not known

169. Assertion [A] Neurolathyrism occurring mostly in adults consuming the pulse lathyrus sativus in large quantities.

Reason [R] : The cause of neurolathyrism is a Toxin, Beta Oxalyl. Amino – acanine (BOAA) which is found in the seeds of the pulse lathyrus sativus.

(A) [A] is true but [R] is false

(B) Both [A] and [R] are true, and [R] is the correct explanation of [A]

(C) [A] is false, [R] is true

(D) Both [A] and [R] are true, but [R] is not the correct explanation of [A]

(E) Answer not known

170. Which of the following is not an example of functional indices of nutritional status?

(A) Prothrombin time

(B) Capillary fragility

(C) Serum retinol

(D) Heart rate

(E) Answer not known

171. Which of the following is the best indicator of long term nutritional status?

   (A) Mid arm circumference
   (B) Height for age
   (C) Weight for age
   (D) Weight for height
   (E) Answer not known

172. In diet survey method, the quantity of food purchased present at the beginning and remains unused are not consider as importance in

   (A) Logbook method
   (B) Recipe method
   (C) Food list method
   (D) Weighment of raw food method
   (E) Answer not known

173. Which of the following statement is correct?

   (1) In sterilization of milk, vitamin C is lost
   (2) In sterilization of milk, insoluble calcium salts increases by 6%
   (3) In pasteurization of milk, 5% of lactalbumin is lost
   (4) In pasteurization of milk, lactase enzyme is deactivated

   (A) 1 and 4
   (B) 1 and 3
   (C) 2 and 3
   (D) 2 and 4
   (E) Answer not known

174. Match correctly the nutrient deficiency with their disease manifestations.

(a) B₁ vitamin deficiency   1.   Glossitis

(b) B₃ vitamin deficiency   2.   Megaloblastic anaemia

(c) B₂ vitamin deficiency   3.   Pellagra

(d) B₁₂ vitamin deficiency   4.   Beri beri

	(a)	(b)	(c)	(d)
(A)	1	4	3	2
(B)	4	3	1	2
(C)	3	4	1	2
(D)	2	4	1	3

(E) Answer not known

175. Identify the false statement regarding lathyrism

(A) Affects mostly females over 45 years

(B) Gradually developing spastic paralysis of lower limbs

(C) Toxin can be eliminated by steeping method

(D) 500-1000 Mg/day of ascorbic acid is helpful in some cases

(E) Answer not known

176. Colostrum has when compared to normal breast milk?

(A) Decreased Vitamin K

(B) Decreased Na

(C) Increased proteins

(D) Increased calories

(E) Answer not known

177. Choose the right answer:

Protein requirement (g/kg/d) for school children (6-10 years of age) is

(A) 0.95

(B) 0.86

(C) 0.91

(D) 0.88

(E) Answer not known

178. A healthy adult requires

(A) 100g of vegetables and 50gm fruits / day

(B) 200g of vegetables and 100gm of fruits / day

(C) 300g of vegetables and 100gm of fruits / day

(D) 350g of vegetables and 150gm of fruits / day

(E) Answer not known

179. Egg is poor source of

(A) Carbohydrates

(B) Calcium

(C) Iron

(D) Zinc

(E) Answer not known

180. 'Prudent diet' is one with dietary goals of:

(A) Proteins should provide 30% of energy intake

(B) Saturated fat should not constitute 10% of total energy

(C) Salt consumption should not be less than 5g /day

(D) Alcohol and fat should not be restricted

(E) Answer not known

181. Which among the following is a method of assessing protein quantity?

    (A)   Amino acid score

    (B)   Net-protein utilization

    (C)   Protein-energy ratio

    (D)   Protein energy expenditure

    (E)   Answer not known

182. The extra calories required per day for a lactating women during the first six months is

    (A)   200 kcal

    (B)   350 kcal

    (C)   520 kcal

    (D)   600 kcal

    (E)   Answer not known

183. Which of the following statements are true?

    (i)   Amla is one of the richest source of vitamin C

    (ii)   Vitamin – B_{12} is found in foods of vegetable origin

    (iii)   Folic acid supplementation helps to increase the birth weight of infants.

    (A)   (i), (ii), (iii)

    (B)   (i), (ii)

    (C)   (i), (iii)

    (D)   (ii), (iii)

    (E)   Answer not known

184. The factors taken into consideration for calculating daily energy requirement for an individual by ICMR 2020 are all except

(A)   Age and Sex

(B)   Socioeconomic status

(C)   Pregnancy and lactation

(D)   Physical activity

(E)   Answer not known

185. Match correctly the elemental iron done with their beneficiary.

(a)	Children less than 6 years	1.	60mg, daily
(b)	Children 6-11	2.	60mg, weekly
(c)	Adolescent (11-19)	3.	20mg, bi-weekly
(d)	Pregnant women	4.	45mg, weekly

	(a)	(b)	(c)	(d)
(A)	2	3	4	1
(B)	3	4	2	1
(C)	4	2	1	3
(D)	1	4	3	2

(E)   Answer not known

186. As per National Health Mission, what is the population norms for a community health centre in tribal and hilly areas.

(A)   1 per 20,000

(B)   1 per 30,000

(C)   1 per 80,000

(D)   1 per 1,00,000

(E)   Answer not known

187. Choose wrong statement about objectives of ICDS scheme

    (1)   Reduce mortality, morbidity, school drop out

    (2)   Improve nutritional and health status of childrens in age group 0-9 years

    (3)   Achieve co-ordination of policy and implementation

    (4)   Enhance capability of mother and child nutritional needs

    (A)   1

    (B)   2

    (C)   3

    (D)   4

    (E)   Answer not known

188. Sickle cell disease is a common condition seen among tribal population of All Indian region except

    (A)   Southern region

    (B)   Northern region

    (C)   Central region

    (D)   Western region

    (E)   Answer not known

189. Establishment and maintenance of drug standard is function of

    (A)   Concurrent list

    (B)   State Government

    (C)   Union list

    (D)   Drug inspector

    (E)   Answer not known

190. About 3 months of training in preventive and social medicine to prepare 'social Physicians' was recommended by ——————— committee.

(A) Bhore
(B) Mudhaliar
(C) Katar Singh
(D) Shrivastav
(E) Answer not known

191. Protection of children from sexual offense (POCSO) act was introduced by the

(A) Ministry of Health and Family Welfare
(B) Ministry of Human Resource Development
(C) Ministry of Social Welfare
(D) Ministry of Women and Child Development
(E) Answer not known

192. Consider the following statements about registration of births and deaths Act 1969.

(i) Birth and death should be registered within 21 days of event.

(ii) Delayed registration beyond 21 days requires late fee and affidavit from notary public.

(iii) The Director of Medical Education is the implementing authority of this act in Tamil nadu.

(A) (i) only correct
(B) (i) and (ii) correct
(C) (ii) and (iii) correct
(D) (ii) only correct
(E) Answer not known

193. International Red Cross was founded by

    (A)   John D Rocke Feller

    (B)   Henry Ford

    (C)   Henry Dunant

    (D)   John Ford

    (E)   Answer not known

194. Choose the right answer regarding the International Health Agencies.

    (1)   Headquarters of ILO is in Geneva.

    (2)   Headquarters of UNICEF is in Rome.

    (3)   Danida provides support for leprosy related activities

    (4)   Care focused on food support in ICDS programme

    (A)   (1) and (4)

    (B)   (1), (3) and (4)

    (C)   (2) and (3)

    (D)   (2), (3) and (4)

    (E)   Answer not known

195. Yellow fever vaccination certificate is valid between

    (A)   10 days after vaccination – duration of the life of the person vaccinated

    (B)   From the day of vaccination – 10 years

    (C)   5th day of vaccination – 10 years

    (D)   3rd day of vaccination – 10 years

    (E)   Answer not known

196. UNICEF is promoting a campaign known as GOBI. Choose the expansions that are incorrectly mentioned.

(i) G — Growth Charts

(ii) O — Oral polio vaccination

(iii) B — Breast feeding

(iv) I — Intermittent preventive therapy

(A) (i) and (iii)

(B) (ii) and (iv)

(C) (i) and (ii)

(D) (i) and (iv)

(E) Answer not known

197. In which of the following disasters, injuries usually exceed death?

(A) Earthquakes

(B) Land slides

(C) Avalanches

(D) Floods

(E) Answer not known

198. Arrange the following phases of disaster cycle in a logical sequence.

(A) Disaster Impact, Mitigation, Rehabilitation, Response

(B) Mitigation, Disaster Impact, Response, Rehabilitation

(C) Disaster Impact, Response, Mitigation, Rehabilitation

(D) Mitigation, Rehabilitation, Disaster Impact, Response

(E) Answer not known

199. Triage classification in Disaster Management includes how many colour code system?

(A) 2

(B) 3

(C) 4

(D) 5

(E) Answer not known

200. Chernobyl nuclear explosion accident occurred on 26th April 1986. It resulted in emission of

(A) Methyl Isocyanate

(B) Union Carbide

(C) Ur 235, Po 210

(D) i 131, Cs 134, Cs 137, Sr 90

(E) Answer not known