



चाळणी परीक्षा/SCREENING TEST

एकूण प्रश्न : 100

एकूण गुण : 200

वेळ : 1 (एक) तास

सूचना

- (1) सदर प्रश्नपुस्तिकेत 100 अनिवार्य प्रश्न आहेत. उमेदवारांनी प्रश्नांची उत्तरे लिहिण्यास सुरुवात करण्यापूर्वी या प्रश्नपुस्तिकेत सर्व प्रश्न आहेत किंवा नाहीत याची खात्री करून घ्यावी. असा तसेच अन्य काही दोष आढळल्यास ही प्रश्नपुस्तिका समवेक्षकांकडून लगेच बदलून घ्यावी.
 - (2) आपला परीक्षा-क्रमांक ह्या चौकोनांत न विसरता बॉलपेनने लिहावा.
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| परीक्षा-क्रमांक | | | | | | | | | |
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केंद्राची संकेताक्षरे

शेवटचा अंक
- (3) वर छापलेला प्रश्नपुस्तिका क्रमांक तुमच्या उत्तरपत्रिकेवर विशिष्ट जागी उत्तरपत्रिकेवरील सूचनेप्रमाणे न विसरता नमूद करावा.
 - (4) या प्रश्नपुस्तिकेतील प्रत्येक प्रश्नाला 4 पर्यायी उत्तरे सुचविली असून त्यांना 1, 2, 3 आणि 4 असे क्रमांक दिलेले आहेत. त्या चार उत्तरांपैकी सर्वात योग्य उत्तराचा क्रमांक उत्तरपत्रिकेवरील सूचनेप्रमाणे तुमच्या उत्तरपत्रिकेवर नमूद करावा. अशा प्रकारे उत्तरपत्रिकेवर उत्तरक्रमांक नमूद करताना तो संबंधित प्रश्नक्रमांकासमोर छायांकित करून दर्शविला जाईल याची काळजी घ्यावी. ह्याकरिता फक्त काळ्या शाईचे बॉलपेन वापरावे, पेन्सिल वा शाईचे पेन वापरू नये.
 - (5) सर्व प्रश्नांना समान गुण आहेत. यास्तव सर्व प्रश्नांची उत्तरे द्यावीत. घाईमुळे चुका होणार नाहीत याची दक्षता घेऊनच शक्य तितक्या वेगाने प्रश्न सोडवावेत. क्रमाने प्रश्न सोडविणे श्रेयस्कर आहे पण एखादा प्रश्न कठीण वाटल्यास त्यावर वेळ न घालविता पुढील प्रश्नाकडे वळावे. अशा प्रकारे शेवटच्या प्रश्नापर्यंत पोहोचल्यानंतर वेळ शिल्लक राहिल्यास कठीण म्हणून वगळलेल्या प्रश्नांकडे परतणे सोईस्कर ठरेल.
 - (6) उत्तरपत्रिकेत एकदा नमूद केलेले उत्तर खोडता येणार नाही. नमूद केलेले उत्तर खोडून नव्याने उत्तर दिल्यास ते तपासले जाणार नाही.
 - (7) प्रस्तुत परीक्षेच्या उत्तरपत्रिकांचे मूल्यांकन करताना उमेदवारांच्या उत्तरपत्रिकेतील योग्य उत्तरांनाच गुण दिले जातील. तसेच “उमेदवाराने वस्तुनिष्ठ बहुपर्यायी स्वरूपाच्या प्रश्नांची दिलेल्या चार पर्यायपैकी सर्वात योग्य उत्तरेच उत्तरपत्रिकेत नमूद करावीत. अन्यथा त्यांच्या उत्तरपत्रिकेत सोडविलेल्या प्रत्येक चार चुकीच्या उत्तरांसाठी एका प्रश्नाचे गुण वजा करण्यात येतील”.

पर्यवेक्षकांच्या सूचनेविना हे सील उघडू नये

ताकीद

ह्या प्रश्नपत्रिकेसाठी आयोगाने विहित केलेली वेळ संपेपर्यंत ही प्रश्नपुस्तिका आयोगाची मालमत्ता असून ती परीक्षाकक्षात उमेदवाराला परीक्षेसाठी वापरण्यास देण्यात येत आहे. ही वेळ संपेपर्यंत सदर प्रश्नपुस्तिकेची प्रत/प्रती, किंवा सदर प्रश्नपुस्तिकेतील काही आशय कोणत्याही स्वरूपात प्रत्यक्ष वा अप्रत्यक्षपणे कोणत्याही व्यक्तीस पुरविणे, तसेच प्रसिद्ध करणे हा गुन्हा असून अशी कृती करणाऱ्या व्यक्तीवर शासनाने जारी केलेल्या “परीक्षांमध्ये होणाऱ्या गैरप्रकारांना प्रतिबंध करण्याबाबतचा अधिनियम-82” यातील तरतुदीनुसार तसेच प्रचलित कायद्याच्या तरतुदीनुसार कारवाई करण्यात येईल व दोषी व्यक्ती कमाल एक वर्षाच्या कारावासाच्या आणि/किंवा रुपये एक हजार रकमेच्या दंडाच्या शिक्षेस पात्र होईल.

तसेच ह्या प्रश्नपत्रिकेसाठी विहित केलेली वेळ संपण्याआधी ही प्रश्नपुस्तिका अनधिकृतपणे बाळगणे हा सुद्धा गुन्हा असून तसे करणारी व्यक्ती आयोगाच्या कर्मचारीवृंदापैकी, तसेच परीक्षेच्या पर्यवेक्षकीयवृंदापैकी असली तरीही अशा व्यक्तीविरुद्ध उक्त अधिनियमानुसार कारवाई करण्यात येईल व दोषी व्यक्ती शिक्षेस पात्र होईल.

पुढील सूचना प्रश्नपुस्तिकेच्या अंतिम पृष्ठावर पहा

Z04

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कच्च्या कामासाठी जागा / SPACE FOR ROUGH WORK

1. From the list given below, select the correct combination of various indicators which compositely form Human Development Index (HDI) :

- a. Life expectancy at age one
- b. Per capita GDP
- c. Gross enrolment ratio
- d. Adult literacy rate
- e. Life expectancy at birth
- f. Female literacy rate
- g. Infant mortality rate

Options :

- | | |
|--------------------|-------------------|
| (1) b, c, d, and e | (2) a, b, c and d |
| (3) b, c, f and g | (4) a, d, f and g |

2. Strength of the association in Cohort study is given by

- (1) odds ratio
- (2) relative risk
- (3) attributable risk
- (4) population attributable risk

3. Probability of having a disease, if a screening test for the disease reports as positive, is given by _____ of the screening test.

- | | |
|-------------------------------|-------------------------------|
| (1) sensitivity | (2) specificity |
| (3) positive predictive value | (4) negative predictive value |

4. "Epidemic curve" is plotted during investigation of an epidemic to study the _____ distribution of cases.

- | | |
|----------------------------|-----------|
| (1) time, place and person | (2) time |
| (3) time and place | (4) place |

5. First Referral Units (FRUs) are established to provide _____ level of health care.

- | | |
|--------------|-----------------------|
| (1) Primary | (2) Secondary |
| (3) Tertiary | (4) None of the above |

6. Match the following events with respective years of their occurrence :

<i>Event</i>	<i>Year</i>
a. Small pox officially declared as eradicated by WHO	I. 1953
b. RCH programme launched	II. 1993
c. National Malaria Control programme launched	III. 1980
d. RNTCP introduced as pilot project	IV. 1997
	V. 1958
	VI. 1982

	a	b	c	d
(1)	VI	IV	V	II
(2)	VI	II	I	IV
(3)	III	IV	I	II
(4)	III	II	IV	V

7. The term "disease control" means operations aimed at reducing

- a. Incidence of disease
- b. Duration of disease
- c. Transmission of disease
- d. Financial burden to the community

- | | |
|-------------------|----------------|
| (1) a, b, c and d | (2) a, c and d |
| (3) a and b | (4) b, c and d |

8. As a Deputy Director of health services, you want to compare health status of two cities, A and B, by comparing their mortality rates. City A is a new city comprising mainly of young working population. City B is known for its retired population.

Which of the following mortality rates will you use for the comparison ?

- (1) Crude Death Rate
- (2) Standardized Mortality Rate
- (3) Proportional Mortality Rate
- (4) Specific Mortality Rate

कच्च्या कामासाठी जागा / SPACE FOR ROUGH WORK

9. Statement A :

Strict isolation of cases of Hepatitis A is not a useful control measure in the epidemic.

Statement B :

Faecal shedding of virus by the cases of Hepatitis A is highest during the incubation period and early stage of disease.

- (1) Both statements, A and B, are correct and B is the correct explanation of A.
 - (2) Both statements, A and B, are correct and B is not the correct explanation of A.
 - (3) A is true, but B is false.
 - (4) B is true, but A is false.
-

10. Following are the vital statistics data for the year 2013 for city X, with mid-year population of 1,00,000 :

- a. Total live births = 2,000
- b. Neonatal deaths = 30
- c. Total infant deaths = 50
- d. Late neonatal deaths = 10

How much will be the post neonatal mortality rate ?

- (1) 0.3 per 1,000 mid-year population
 - (2) 20 per 1,000 live births
 - (3) 10 per 1,000 live births
 - (4) 0.1 per 1,000 mid-year population
-

11. Which of the following emerging infectious diseases has the highest case fatality rate ?

- (1) Avian influenza A (H7N9)
 - (2) Ebola virus disease
 - (3) Influenza A (H1N1)
 - (4) Middle East Respiratory Syndrome Coronavirus (MERS-CoV)
-

12. World Hepatitis Day is celebrated on

- | | |
|-----------------------------|------------------------------|
| (1) 28 th July | (2) 24 th March |
| (3) 28 th August | (4) 31 st October |
-

13. Most commonly reported disease in the Post Disaster period is

- (1) Acute Respiratory Infections
 - (2) Gastroenteritis
 - (3) Tetanus
 - (4) Malaria
-

14. An area is declared free of epidemic

- (1) Till the last secondary case recovers
 - (2) When no new cases are reported for the Incubation Period of the disease since the last case
 - (3) When no new cases are reported for twice the Incubation Period of the disease since the last case
 - (4) When no new cases are reported till half a year
-

15. By the end of the year 2015, our country aims to eliminate

- (1) Malaria
 - (2) TB
 - (3) Filariasis
 - (4) HIV
-

16. In Radical Neck Dissection, which of the following structures is preserved ?

- (1) Spinal Accessory Nerve
 - (2) Sternocleidomastoid Muscle
 - (3) Internal Jugular Vein
 - (4) None of the above
-

17. In Barium study, 'Bird beak' appearance is seen in

- (1) Oesophagus Carcinoma
 - (2) Achalasia Cardia
 - (3) Hiatus Hernia
 - (4) Carcinoma Stomach
-

18. Which of the following eye symptoms are commonly detected in untreated patients of schizophrenia ?
- (1) Retinal pigmentation and Conjunctival pigmentation
 - (2) Conjunctival pigmentation and Elevated blinking rate
 - (3) Saccadic movements and Elevated blinking rate
 - (4) None of the above
-
19. Which of the following cognitive functions is tested by giving "the odd man out among the group" task to a person ?
- (1) Concentration and Memory
 - (2) Abstract Reasoning and Fund of Knowledge
 - (3) Orientation and Concentration
 - (4) Abstract Reasoning only
-
20. Commonest mode of Inheritance in G6PD deficiency is
- | | |
|------------------------|-------------------------|
| (1) X-linked recessive | (2) Autosomal dominant |
| (3) Mitochondrial | (4) Autosomal recessive |
-
21. Hydatid disease is caused by the following *except*
- (1) *E. Granulosus*
 - (2) *E. Multilocularis*
 - (3) *Strongyloides stercoralis*
 - (4) *E. Vogeli*
-
22. Ewing's Sarcoma is malignancy arising from
- | | |
|------------|--------------|
| (1) Kidney | (2) Bronchus |
| (3) Bone | (4) Breast |
-
23. When we give the factors predisposing a patient to cause Delirium, which of the following is *not* a correct answer ?
- (1) COPD, Polydrug use and Alcohol use
 - (2) Visual impairment, Hypertension and use of bladder catheter
 - (3) Abnormal Glucose Test, COPD and Visual impairment
 - (4) Polydrug use, Visual impairment and Hypertension

24. WHO recommends one of the following for prevention of maternal and neonatal tetanus in pregnant women :
- (1) One dose of inj. TT in one month
 - (2) Two doses of TT at least one month apart
 - (3) Three doses of TT at least three months apart
 - (4) Four doses of TT at least four months apart
-
25. New case of tuberculosis is
- (1) A patient who has never taken treatment for TB or taken treatment for less than one month
 - (2) A patient who has left treatment after one month
 - (3) A patient returns to DOT centre after default of two months on treatment
 - (4) A person who is first time exposed to TB bacilli
-
26. In Lie-detector Test, which one of the following is *not* included as an arousal indicator ?
- (1) Heart Rate
 - (2) Skin Conductance
 - (3) Pupil Size
 - (4) Breathing Rate
-
27. Prevalence of MDRTB in new case as per State level Gujarat, Maharashtra and Andhra Pradesh Drug Resistance surveillance studies is as follows :
- | | |
|--------|--------|
| (1) 2% | (2) 3% |
| (3) 4% | (4) 5% |
-
28. Among the following, which is the first preferred diagnostic tool for MDRTB as per the National Laboratory Committee ?
- (1) Molecular DST (eg. LPADST)
 - (2) Liquid Culture isolation and LPADST
 - (3) Solid Culture isolation and LPADST
 - (4) Liquid Culture isolation and Liquid DST

29. Annual influenza vaccination is recommended in all *except* one of the following :

- (1) Children 6 to 59 months old
- (2) Children 1 to 5 months old
- (3) Persons more than 50 years old
- (4) Children and Adolescents (6 months – 18 years) receiving long term aspirin therapy

30. Pseudoparalysis of lower limbs in infancy is seen in the following condition :

- (1) Vitamin A deficiency
- (2) Vitamin C deficiency
- (3) Vitamin D deficiency
- (4) Vitamin E deficiency

31. Following statements are true about didactic method of communication *except*

- a. Class-room lecture is an example of didactic method.
 - b. Knowledge is imposed upon the audience.
 - c. Learning is authoritative.
 - d. Audience can participate by adding their own information, ideas and opinions on the subject.
- (1) b and d
 - (2) b and c
 - (3) a, b and c
 - (4) Only d

32. Sputum containers used for sputum collection in RNTCP can be disposed of by

- a. Keeping in 5% phenol.
 - b. Keeping in 5% freshly prepared hypochlorite solution.
 - c. Autoclaving.
 - d. Burial.
- (1) a or b
 - (2) a, b or c
 - (3) c or d
 - (4) b or d

- 33.** Following properties of drugs are taken into consideration for management of drugs by VED analysis :
- (1) Venomous, Essential, Depressant
 - (2) Very cheap, Expensive, Donated
 - (3) Vital, Essential, Desirable
 - (4) Very difficult, Easy, Difficult (to be available)
-
- 34.** Following are/were the goals to be achieved, as per the National Health Policy, 2002 :
- a. Eradicate Leprosy by 2015
 - b. Eliminate Lymphatic Filariasis by 2015
 - c. Reduce IMR to 30 per 1,000 live births by 2010
 - d. Eradicate Kala-Azar by 2015
- (1) b and c
 - (2) a, b and d
 - (3) c and d
 - (4) a, b and d
-
- 35.** Most suitable management technique for planning of a complex health programme at National level, without any prior experience of such a programme is
- (1) Programme Evaluation and Review Technique
 - (2) Critical Path Method
 - (3) Linear Programming
 - (4) Precedence and Arrow Diagramming
-
- 36.** Following statements are true about group discussion :
- a. It is a didactic method of communication.
 - b. It is useful to identify and solve problems.
 - c. Brainstorming is a form of group discussion.
 - d. Each member is free to suggest any idea, even if it is untenable at face value.
- (1) b and c
 - (2) b, c and d
 - (3) a and d
 - (4) a, b and d

37. The process of ensuring that the duties are performed effectively by persons is called as

- | | |
|-----------------|--------------------|
| (1) Supervision | (2) Administration |
| (3) Management | (4) Monitoring |

38. Select the correct combination of essential services to be provided at PHC, as per the Indian Public Health Standards (IPHS) for PHC (Revised 2012).

- a. Disinfection of water sources
b. Health education for prevention of STIs
c. Assessment of visual acuity
d. Bacteriological testing of water quality using H₂S strip test
- | | |
|-------------|-------------------|
| (1) a and b | (2) a, b, c and d |
| (3) c and d | (4) a, b and c |

39. Presently which of the following institutes/organisations acts as a think tank and is the apex technical institute for the promotion of family welfare programmes in India ?

- (1) National Institute of Family Planning
(2) National Institute of Health Administration and Education
(3) National Institute of Health and Family Welfare
(4) National Institute of Population Sciences

40. SWOT analysis of an organisation is analysis of its

- (1) Structure, Wealth, Ongoing activities, Time-series
(2) Strengths, Weaknesses, Opportunities, Threats
(3) Shortfalls, Wealth, Opportunities, Threats
(4) Strengths, Weaknesses, Ongoing activities, Time-series

41. One Disability Adjusted Life Year (DALY) means

- (1) One year of healthy life lost
(2) One year of diseased life lost
(3) One year of disabled life lost
(4) One year of partially disabled life lost

42. According to National Family Health Survey (NFHS III), the proportion of rural population with access to improved sources of drinking water is
- (1) 83%
 - (2) 85%
 - (3) 87%
 - (4) 90%
-
43. Which one of the following is *not* included in the Human Poverty Index ?
- (1) Underweight for age
 - (2) Percentage of population surviving upto 40 years
 - (3) Percentage of population using safe water supply
 - (4) Occupation
-
44. The Health Sector Reforms in our country have taken special measures to reduce the impact of Structural Adjustment Programmes on the poor people. This is known as
- (1) Social Safety Net
 - (2) Social Defence
 - (3) Economic Safety Plan
 - (4) Social Subsidy
-
45. The public expenditure on health as a percent of GDP currently is
- (1) 1.2%
 - (2) 3.9%
 - (3) 5%
 - (4) 12%
-
46. All of the following are taken into consideration in the 'Kuppuswamy Scale' for socio-economic status *except*
- (1) Educational status
 - (2) Occupational status
 - (3) Per capita income
 - (4) Type of housing

47. As per the DOTS (Directly Observed Treatment, Short-Course) implementation and surveillance, 2011, the treatment success rate in our country is

- (1) 80% (2) 88%
(3) 90% (4) 98%
-

48. The current life expectancy at birth in our country is

- (1) 60 years
(2) 65 years
(3) 69 years
(4) 70 years
-

49. According to National Family Health Survey (NFHS III), the proportion of urban population with access to improved sanitary facilities is

- (1) 33% (2) 43%
(3) 47% (4) 49%
-

50. Under the MDG, the proportion of population with access to affordable essential drugs on a sustainable basis has been included in the

- (1) Goal No. 1
(2) Goal No. 5
(3) Goal No. 8
(4) None of the above
-

51. The deficiency of which vitamin causes Pellagra ?

- (1) B₁ (2) B₂
(3) B₃ (4) B₆
-

52. All of the following are seen in Turner's Syndrome *except*

- (1) Streak gonads
(2) Shield chest
(3) Mental retardation
(4) Webbed neck
-

53. In IMNCI, a 3-year-old child with some pallor is given iron-folate therapy for _____ days.

- (1) 10 (2) 12
(3) 14 (4) 21
-

54. All of the following vaccinations are essential prior to splenectomy *except*

- (1) Pneumococcal
(2) Typhoid
(3) Meningococcal
(4) Hib
-

55. Number of deciduous teeth in a child are

- (1) 20 (2) 15
(3) 12 (4) 18
-

56. Liver is attached above posterosuperiorly to the diaphragm by which of the following ligaments ?

- (1) Falciform ligament (2) Coronary ligament
(3) Ligament venosum (4) Ligamentum arteriosum
-

57. In healthy adult sitting with eyes closed, which of the following EEG rhythms will be seen when electrode is placed in occipital region ?

- (1) Delta
(2) Theta
(3) Alpha
(4) Fast, irregular, low voltage
-

58. Citrullinemia is a metabolic defect in urea cycle occurring due to defect in which enzyme ?

- (1) Arginase
(2) Arginosuccinate synthetase
(3) Arginosuccinase
(4) Carbamoyl phosphate synthetase I
-

कच्च्या कामासाठी जागा / SPACE FOR ROUGH WORK

59. In case of Breast Carcinoma, ER-PR receptor status is useful in which of the following ?
- (1) Predicting prognosis
 - (2) To predict response to R_x
 - (3) Familial predisposition
 - (4) Recurrence rate of tumour
-
60. Most diagnostic test for *H. Pylori* infection is
- (1) Urea breath test
 - (2) Rapid urease assay
 - (3) Antigen in stool
 - (4) Histology
-
61. Which is the most likely side effect seen in slow acetylators on treatment with I.N.H. for pulmonary tuberculosis ?
- (1) Hepatotoxicity
 - (2) Thrombocytopenia
 - (3) Peripheral Neuropathy
 - (4) Nephrotoxicity
-
62. Most common late post-operative complication of appendisectomy is
- (1) Pelvic abscess
 - (2) Fecal fistula
 - (3) Bowel perforation
 - (4) Small bowel obstruction
-
63. All of the following are included in the expectant management of placenta previa
- (1) Blood transfusion
 - (2) Cervical encirclage
 - (3) Corticosteroids
 - (4) Anti-D administration

64. Which of the following is **not** correct about Hypertensive Encephalopathy ?

- (1) Absence of focal localising signs
 - (2) C.S.F. is normal
 - (3) MRI shows posterior occipital brain edema
 - (4) Anterior brain is less severely involved than posterior brain on MRI
-

65. Gastric aspirate for analysis is stored in

- (1) Saturated salt solution
 - (2) Normal saline
 - (3) 10% formaline
 - (4) No preservative needed
-

66. Ring Scotoma is seen in

- (1) Chronic Simple Glaucoma
 - (2) Papillitis
 - (3) Optic Atrophy
 - (4) Choroidal Degeneration
-

67. Legionella Pneumonia is characterised by

- (1) Hyponatremia
 - (2) Hypernatremia
 - (3) Hypokalemia
 - (4) Hypocalcemia
-

68. Which of the following is **not** true about tubercular salpingitis ?

- (1) Usually unilateral
 - (2) Tubal occlusion is most commonly at isthmic level
 - (3) Infection is usually acquired by hematogenous spread
 - (4) None of the above
-

69. Blunting effect is seen in

- | | |
|-------------------|----------------|
| (1) Schizophrenia | (2) Depression |
| (3) Mania | (4) Delirium |
-

70. Commonest site of Bunion is

- (1) Head of first metatarsal
 - (2) Head of first metacarpal
 - (3) Tibial tuberosity
 - (4) Olecranon process
-

71. Which clotting factor deficiency is asymptomatic ?

- | | |
|---------|--------|
| (1) II | (2) V |
| (3) XII | (4) XI |
-

72. The cure rate of TB by DOTS is

- | | |
|---------|---------|
| (1) 95% | (2) 85% |
| (3) 75% | (4) 65% |
-

73. Pesticide with prolonged duration of action is

- (1) DDT
 - (2) Malathion
 - (3) Parathion
 - (4) Celphos
-

74. Secondary haemorrhage after tonsillectomy is usually present on

- | | |
|-------------------------|--------------------------|
| (1) 1 st day | (2) 3 rd day |
| (3) 6 th day | (4) 12 th day |
-

75. Secondary Glaucoma due to Uveitis is treated with

- (1) Timolol + Pilocarpine
 - (2) Atropine + Pilocarpine
 - (3) Latanoprost + Brinzolamide
 - (4) Atropine + Corticosteroids
-

76. Which of the following indicates severity of an acute illness ?
- (1) Case fatality rate (2) Proportional mortality rate
(3) Prevalence rate (4) Incidence rate

77. "Chernobyl" tragedy is an example of
- (1) point source epidemic
(2) propagated epidemic
(3) modern epidemic
(4) continuous epidemic

78. Below mentioned is the list of few Rickettsial diseases and various Rickettsial agents causative for them. Select the option giving correct matched pairs :

<i>Rickettsial Disease</i>	<i>Rickettsial Agent</i>
A. Epidemic typhus	I. <i>Rickettsia akari</i>
B. Scrub typhus	II. <i>Rickettsia prowazekii</i>
C. Rickettsial pox	III. <i>Rickettsia tsutsugamushi</i>
D. Q fever	IV. <i>C. burnetii</i>

- | | A | B | C | D |
|-----|----|-----|-----|-----|
| (1) | I | II | III | IV |
| (2) | II | III | I | IV |
| (3) | II | III | IV | I |
| (4) | I | II | IV | III |

79. Which of the following is/are modifiable risk factor/s for Coronary Heart Disease ?

- a. Cigarette smoking
b. Age
c. Obesity
d. High blood pressure

- (1) Only d (2) b and d
(3) a, c and d (4) a, b, c and d

कच्च्या कामासाठी जागा / SPACE FOR ROUGH WORK

80. Which of the following statements are true about live vaccine ?
- More potent than killed vaccine because organism can multiply in host resulting in larger antigenic dose.
 - More potent than killed vaccine because it has all the major and minor antigenic components.
 - Produces durable immunity.
 - Boosters are required to maintain immunity.
- (1) a and b only (2) a, b and c
(3) b, c and d (4) c and d only
-
81. Secular trends of disease refer to it's
- change of pattern over a long period of time
 - seasonal trend
 - occurs due to naturally occurring variation in herd immunity
 - current disease status problem
-
82. All are advantages of Cohort studies *except*
- Several possible outcomes related to exposure can be studied simultaneously
 - Does response ratio can be calculated
 - Bias is minimized
 - Suitable for study of rare diseases
-
83. There is no animal reservoir in all *except*
- Hepatitis A (2) Cholera
 - Poliomyelitis (4) Influenza
-
84. Which of the following are incubatory carriers ?
- Measles
 - Polio
 - Influenza
 - KFD
 - Hepatitis B
- (1) a, b, c and d (2) a, b, c and e
(3) b, c, d and e (4) d, b, e and a

85. Which of the following are risk factors for Carcinoma Cervix ?

- High socio-economic status
- Early age at first sexual intercourse
- HPV infection
- Monogamous relationship

- | | |
|-------------|-------------|
| (1) a and c | (2) b and d |
| (3) b and c | (4) a and d |

86. Which of the following sentence(s) is/are true ?

- Framingham Study did not include research on Coronary Heart Disease risk factors.
- Doll and Hill proved relationship between smoking and lung cancer.

- Only a
- Only b
- Both a and b
- Neither a nor b

87. Which of the following vaccines is going to be introduced in the National Immunization Schedule of India ?

- Japanese Encephalitis
- Pneumococcal Pneumonia
- Yellow Fever
- Injectable Typhoid Vaccine

88. The number of Malaria cases reported during last 10 years in a town are given below :

250, 320, 190, 300, 5000, 260, 350, 320, 400 and 160

The epidemiologist wants to find out the average number of Malaria cases reported in that town. The most appropriate measure of average for this data will be

- Arithmetic mean
- Mode
- Median
- Geometric mean

कच्च्या कामासाठी जागा / SPACE FOR ROUGH WORK

89. Which of the following health goals set by the National Health Policy, 2002 is/are correctly matched ?
- Eradicate Polio and Yaws by 2010
 - Achieve zero level growth of HIV AIDS by 2009
 - Eliminate Kala-Azar by 2010
- Only b is correct
 - a and b are correct
 - b and c are correct
 - Only a is correct
-
90. The correlation between two continuous variables was found to be 2.4. This indicates
- very strong correlation
 - moderately strong correlation
 - weak correlation
 - computational mistake in calculating correlation
-
91. Which of the following are Zoonotic diseases ?
- Yellow fever
 - Japanese encephalitis
 - Leptospirosis
 - Cholera
- a, b, c and d
 - a, b and c
 - c and d
 - a, b and d
-
92. Interval between onset of primary and secondary case is called
- Latent period
 - Serial interval
 - Generation time
 - Incubation period

93. Herd immunity does **not** protect an individual in

- a. Diphtheria
- b. Poliomyelitis
- c. Measles
- d. Tetanus

- (1) a, b and c
 - (2) d only
 - (3) b and c only
 - (4) d, b and a
-

94. Which of the following is/are precancerous condition/s for oral cancer ?

- a. Leukoplakia
- b. Melanoplakia
- c. Erythroplakia
- d. Oral submucous fibrosis

- (1) a and b
 - (2) Only c
 - (3) a, b and c
 - (4) a, c and d
-

95. In cause association relationship, most essential criteria is

- (1) strength of association
 - (2) consistency
 - (3) temporal association
 - (4) duration of relationship
-

96. The area under normal distribution curve for 2 SD would be around

- (1) 68%
 - (2) 99%
 - (3) 95%
 - (4) 90%
-

कच्च्या कामासाठी जागा / SPACE FOR ROUGH WORK

97. In a group of 100 children, the weight of child is 15 kg. The standard error of mean is 1.5 kg. Which of the following statements is/are true ?
- 95% of all children weigh between 12 and 18 kg.
 - 95% of all children weigh between 13.5 and 16.5 kg.
 - 99% of all children weigh between 12 and 18 kg.
 - 99% of all children weigh between 13.5 and 16.5 kg.
- (1) Only a
(2) a and c
(3) b and d
(4) Only c
-
98. The number of patients required in clinical trial to treat specific disease increases as
- incidence of disease decreases
 - significance level increases
 - the size of the expected treatment effect increases
 - the dropout rate increases
-
99. Sample Registration System (SRS) is to acquire information on which of the following ?
- Morbidity rates of various diseases
 - Migration statistics
 - Death rates from rural areas
 - Birth and Death rates for the State and the Country
- (1) Only a
(2) For b and c
(3) Only b
(4) Only d
-
100. The 'QUE' Model (for Quality, Utilization and Efficiency) focuses on
- rate of production
 - units of care
 - training
 - feedback and behavioural modification

सूचना — (पृष्ठ 1 वरून पुढे.....)

- (8) प्रश्नपुस्तिकेमध्ये विहित केलेल्या विशिष्ट जागीच कच्चे काम (रफ वर्क) करावे. प्रश्नपुस्तिकेव्यतिरिक्त उत्तरपत्रिकेवर वा इतर कागदावर कच्चे काम केल्यास ते काँपी करण्याच्या उद्देशाने केले आहे, असे मानले जाईल व त्यानुसार उमेदवारावर शासनाने जारी केलेल्या “परीक्षांमध्ये होणाऱ्या गैरप्रकारांना प्रतिबंध करण्याबाबतचे अधिनियम-82” यातील तरतुदीनुसार कारवाई करण्यात येईल व दोषी व्यक्ती कमाल एक वर्षाच्या कारावासाच्या आणि/किंवा रुपये एक हजार रकमेच्या दंडाच्या शिक्षेस पात्र होईल.
- (9) सदर प्रश्नपत्रिकेसाठी आयोगाने विहित केलेली वेळ संपल्यानंतर उमेदवाराला ही प्रश्नपुस्तिका स्वतःबरोबर परीक्षाकक्षाबाहेर घेऊन जाण्यास परवानगी आहे. मात्र परीक्षा कक्षाबाहेर जाण्यापूर्वी उमेदवाराने आपल्या उत्तरपत्रिकेचा भाग-1 समवेक्षकाकडे न विसरता परत करणे आवश्यक आहे.

नमुना प्रश्न

Pick out the correct word to fill in the blank :

Q.No. 201. I congratulate you _____ your grand success.

- (1) for (2) at
(3) on (4) about

ह्या प्रश्नाचे योग्य उत्तर “(3) on” असे आहे. त्यामुळे या प्रश्नाचे उत्तर “(3)” होईल. यास्तव खालीलप्रमाणे प्रश्न क्र. 201 समोरील उत्तर-क्रमांक “(3)” हे वर्तुळ पूर्णपणे छायांकित करून दाखविणे आवश्यक आहे.

प्र.क्र. 201. ① ② ● ④

अशा पद्धतीने प्रस्तुत प्रश्नपुस्तिकेतील प्रत्येक प्रश्नाचा तुमचा उत्तरक्रमांक हा तुम्हाला स्वतंत्ररीत्या पुरविलेल्या उत्तरपत्रिकेवरील त्या त्या प्रश्नक्रमांकासमोरील संबंधित वर्तुळ पूर्णपणे छायांकित करून दाखवावा. ह्याकरिता फक्त काळ्या शाईचे बॉलपेन वापरावे, पेन्सिल वा शाईचे पेन वापरू नये.

कच्च्या कामासाठी जागा / SPACE FOR ROUGH WORK