

# JNUEE PHD Public Health

Topic:- PUBH874 JNUS21

1) Given below are two statements, one is labelled as Assertion A and the other is labelled as Reason R

**Assertion A:** The term economic goods is sometimes used to describe goods and services for which economic analysis is deemed to be relevant.

**Reason R:** Health care is such an economic good because the resources used to provide it are finite and we can only use more of these resources to create health care if we divert them from other uses.

In light of the above statements, choose the *most appropriate* answer from the options given below

[Question ID = 12837][Question Description = Ph.D.PUBH\_Q\_001]

1. Both A and R are correct and R is the correct explanation of A

[Option ID = 116427]

2. Both A and R are correct but R is NOT the correct explanation of A

[Option ID = 116428]

3. A is correct but R is not correct

[Option ID = 116429]

4. A is not correct but R is correct

[Option ID = 116430]

2) Given below are two statements

**Statement I:** Trans-fatty acids are geometrical isomers of Cis-unsaturated fatty acids that adapt a saturated fatty acid like configuration.

**Statement II:** Partial hydrogenation creates trans-fatty acids but does not remove the critical double bonds in essential fatty acids.

In light of the above statements, choose the correct answer from the options given below

[Question ID = 12838][Question Description = Ph.D.PUBH\_Q\_002]

1. Both Statement I and Statement II are true

[Option ID = 116431]

2. Both Statement I and Statement II are false

[Option ID = 116432]

3. Statement I is true but Statement II is false

[Option ID = 116433]

4. Statement I is false but Statement II is true

[Option ID = 116434]

3) Given below are two statements

**Statement I:** Cereal proteins are rich in lysine and threonine.

**Statement II:** Pulse proteins are deficient in methionine.

In light of the above statements, choose the *correct* answer from the options given below

[Question ID = 12839][Question Description = Ph.D.PUBH\_Q\_003]

1. Both Statement I and Statement II are true

[Option ID = 116435]

2. Both Statement I and Statement II are false

[Option ID = 116436]

3. Statement I is true but Statement II is false

[Option ID = 116437]

4. Statement I is false but Statement II is true

[Option ID = 116438]

4) Which of the following fruits has the highest dietary fibre (g/100 g edible portion)?[Question ID = 12840][Question Description = Ph.D.PUBH\_Q\_004]

1. Orange [Option ID = 116439]

2. Banana [Option ID = 116440]

3. Apple [Option ID = 116441]

4. Tomato [Option ID = 116442]

5) Identify the wrong statement:

[Question ID = 12841][Question Description = Ph.D.PUBH\_Q\_005]

1. 1 mcg of retinol = 1 retinol equivalent (RE)

[Option ID = 116443]

2. 1 mcg of  $\beta$ -carotene = 10 mcg of RE

[Option ID = 116444]

3. 1 mcg of other carotenoids = 0.084 mcg of RE

[Option ID = 116445]

4. 1 RE = 3.333 IU of Vitamin A

[Option ID = 116446]

6) Which of the following statements are correct about vegetables?

A. Classified as protective foods

B. High in vitamin content, low in mineral content

C. Usually have low water content

D. Some vegetables (green peas, beans) are good sources of protein

Choose the correct answer from the options given below:

[Question ID = 12842][Question Description = Ph.D.PUBH\_Q\_006]

1. A and D only

[Option ID = 116447]

2. A, B and D only

[Option ID = 116448]

3. A, C and D only

[Option ID = 116449]

4. A, B, C and D only

[Option ID = 116450]

7) A scale used for classification into unordered qualitative categories is:[Question ID = 12843][Question Description = Ph.D.PUBH\_Q\_007]

1. Ordinal scale [Option ID = 116451]

2. Nominal scale [Option ID = 116452]

3. Interval scale [Option ID = 116453]

4. Ratio scale [Option ID = 116454]

8) The value of correlation coefficient between the variable X and Y lies between:[Question ID = 12844][Question Description = Ph.D.PUBH\_Q\_008]

1. -1 and +1 [Option ID = 116455]

2. 0 and 1 [Option ID = 116456]

3. 1 and 2 [Option ID = 116457]

4. 1 and 100 [Option ID = 116458]

9) Given below are two statements, one is labelled as Assertion A and the other is labelled as Reason R

**Assertion A:** The mortality rate among patients suffering from a disease was found to be 3/1000. In studying the expected number of deaths in a population of 10,000 such patients, the distribution of mortality is a Poisson distribution.

**Reason R:** The event is rare (3/1000) and the sample size is large (10,000).

In light of the above statements, choose the most appropriate answer from the options given below

[Question ID = 12845][Question Description = Ph.D.PUBH\_Q\_009]

1. Both A and R are correct and R is the correct explanation of A

[Option ID = 116459]

2. Both A and R are correct but R is NOT the correct explanation of A

[Option ID = 116460]

3. A is correct but R is not correct

[Option ID = 116461]

4. A is not correct but R is correct

[Option ID = 116462]

10) In the diagnosis of a disease, 100 suspected cases were examined by two techniques, PCR and culture. Culture detected 60 cases as having disease while PCR detected 70 as diseased. If 58 suspected cases were declared as diseased by both the methods, what test of significance should be used to assess the agreement between the two methods?[Question ID = 12846][Question Description = Ph.D.PUBH\_Q\_010]

1. Paired t-test [Option ID = 116463]

2. Chi-square test [Option ID = 116464]

3. Bartlett's test [Option ID = 116465]
4. McNemar's chi-square test [Option ID = 116466]

**11) Scatter diagram represents[Question ID = 12847][Question Description = Ph.D.PUBH\_Q\_011]**

1. Regressions [Option ID = 116467]
2. Correlations [Option ID = 116468]
3. Constants [Option ID = 116469]
4. Characteristics [Option ID = 116470]

**12) Which of the following is a mix of a table and a diagram?[Question ID = 12848][Question Description = Ph.D.PUBH\_Q\_012]**

1. Box and Whisker plot diagram [Option ID = 116471]
2. Ogive [Option ID = 116472]
3. Stem and Leaf plot diagram [Option ID = 116473]
4. Proportional bar diagram [Option ID = 116474]

**13) All of the following are examples of nominal scale except[Question ID = 12849][Question Description = Ph.D.PUBH\_Q\_013]**

1. Race [Option ID = 116475]
2. Sex [Option ID = 116476]
3. Iris colour [Option ID = 116477]
4. Blood pressure [Option ID = 116478]

**14) The area under a normal distribution curve for 2SD is[Question ID = 12850][Question Description = Ph.D.PUBH\_Q\_014]**

1. 66% [Option ID = 116479]
2. 95% [Option ID = 116480]
3. 57% [Option ID = 116481]
4. 99% [Option ID = 116482]

**15) John Snow drew inferences about the mode of transmission of cholera through what kind of studies?[Question ID = 18659][Question Description = Ph.D.PUBH\_Q\_015]**

1. Microbiological examinations of stool and vomit of cases linked to the quality of water supply [Option ID = 116483]
2. A natural experiment related to water from two different supply companies [Option ID = 116484]
3. A series of epidemiological examinations including physical, chemical, biological, environmental, sociological, and political processes [Option ID = 116485]
4. Clinical studies of cholera cases he was treating [Option ID = 116486]

**16) Which of the following is NOT true about the epidemiology of influenza:[Question ID = 18660][Question Description = Ph.D.PUBH\_Q\_016]**

1. Immunity is short-lived [Option ID = 116487]
2. Severe disease and death occur equally in all ages and sexes [Option ID = 116488]
3. There are several animal reservoirs [Option ID = 116489]
4. There is marked seasonal variation in incidence [Option ID = 116490]

**17) Multi-drug resistant tuberculosis (MDR-TB) is defined by the WHO as:[Question ID = 18661][Question Description = Ph.D.PUBH\_Q\_017]**

1. A strain resistant to INH and Rifampicin with or without resistance to other anti-TB drugs [Option ID = 116491]
2. A strain resistant to INH with or without to other anti-TB drugs [Option ID = 116492]
3. A strain resistant to Rifampicin with or without to other anti-TB drugs [Option ID = 116493]
4. A strain resistant to Streptomycin with or without to other anti-TB drugs [Option ID = 116494]

**18) The North Karelia project and the Stanford Three-Community study on Cardio-vascular disease were:[Question ID = 18662][Question Description = Ph.D.PUBH\_Q\_018]**

1. Cohort studies [Option ID = 116495]
2. Risk factor intervention trials [Option ID = 116496]
3. Nested case control studies [Option ID = 116497]
4. Randomised clinical trials [Option ID = 116498]

**19) Which of the following is the criterion for characterising a Generalised HIV Epidemic?[Question ID = 18663][Question Description = Ph.D.PUBH\_Q\_019]**

1. Prevalence of more than 1% in a population [Option ID = 116499]
2. Prevalence of more than 1% in antenatal clinic samples [Option ID = 116500]
3. Prevalence of more than 1% in high risk group samples [Option ID = 116501]
4. Prevalence of more than 2% in a population [Option ID = 116502]

**20) The following is a principle of primary health care:[Question ID = 18664][Question Description = Ph.D.PUBH\_Q\_020]**

1. Safe water supply and sanitation [Option ID = 116503]
2. Free medical care [Option ID = 116504]
3. Equitable distribution of health resources [Option ID = 116505]
4. Local endemic disease prevention and control [Option ID = 116506]

**21) Given below are two statements, one is labelled as Assertion A and the other is labelled as Reason R**

Assertion A : KAP studies, RRA studies, and PRA studies are all conducted with the objective to understand perceptions and behaviours of population groups about health related issues.

Reason R : All of them are based on survey methods and other participatory methods that generate demographic, knowledge, perceptions and practice related data.

In light of the above statements, choose the *correct* answer from the options given below

[Question ID = 18665][Question Description = Ph.D.PUBH\_Q\_021]

1. Both A and R are true and R is the correct explanation of A

[Option ID = 116507]

2. Both A and R are true but R is NOT the correct explanation of A

[Option ID = 116508]

3. A is true but R is false

[Option ID = 116509]

4. A is true but R is false

[Option ID = 116510]

22) The Kuppuswamy scale for assessing socio-economic status incorporates:

[Question ID = 18666][Question Description = Ph.D.PUBH\_Q\_022]

1. Income of family, No. of livestock, No. of acres of agricultural land

[Option ID = 116511]

2. Income of family, education of head of family, occupation of head of family

[Option ID = 116512]

3. Education of head of family, occupation of head of family, ownership of vehicles

[Option ID = 116513]

4. Education of head of family, occupation of head of family, No. of rooms in house

[Option ID = 116514]

23) Given below are two statements,A is an Assertion and R is the reasoning for it.

Assertion A: Quantitative social science studies can be descriptive or explanatory.

Reason R: Quantitative social science studies can only describe social phenomena and thereby not be used for hypothesis testing.

Based on A and R choose from the following:

[Question ID = 18667][Question Description = Ph.D.PUBH\_Q\_023]

1. Both A and R are true and R is the correct explanation of A

[Option ID = 116515]

2. Both A and R are true but R is NOT the correct explanation of A

[Option ID = 116516]

3. A is true but R is false

[Option ID = 116517]

4. A is false but R is true

[Option ID = 116518]

24) Match List I with List II

| List I                       | List II                                  |
|------------------------------|--|
| A. Likert scale              | I. measures inequality in a population   |
| B. Gini coefficient          | II. analyses data from open-ended tools  |
| C. Free listing of responses | III. measures attitudes in a population  |
| D. SF-36                     | IV. measures the generic state of health |

Choose the correct answer from the options given below:

[Question ID = 18668][Question Description = Ph.D.PUBH\_Q\_024]

1. 1. A - II, B - I, C - IV, D - III

[Option ID = 116519]

2. 1. A - III, B - I, C - II, D - IV

[Option ID = 116520]

3. 1. A - III, B - IV, C - II, D - I

[Option ID = 116521]

4. 1. A - IV, B - III, C - II, D - I

[Option ID = 116522]

**25) Global Hunger Index combines:[Question ID = 18669][Question Description = Ph.D.PUBH\_Q\_025]**

1. The proportion of under nourished persons in a population [Option ID = 116523]
2. The proportion of underweight children in a population [Option ID = 116524]
3. Under-five child mortality [Option ID = 116525]
4. All the above [Option ID = 116526]

**26) GDP of a country is :[Question ID = 18670][Question Description = Ph.D.PUBH\_Q\_026]**

1. the monetary worth of goods and services it produced over a specified period [Option ID = 116527]
2. the average income of citizens over a specified period [Option ID = 116528]
3. the purchasing power of citizens in a country [Option ID = 116529]
4. the standard of living of citizens of the country [Option ID = 116530]

**27) Match List I with List II**

| List I                            | List II   |
|-----------------------------------|---|
| A. Human Development Index        | I. includes health, food consumption, education, occupation, working conditions, and human rights |
| B. Physical Quality of Life Index | II. combines health, education and income   |
| C. Standard of Living Index       | III. includes the level of education, employment status, food, dress, house, recreation           |
| D. Level of Living                | IV. combines health and education   |

Choose the correct answer from the options given below:

**[Question ID = 18671][Question Description = Ph.D.PUBH\_Q\_027]**

1. A - II, B - III, C - IV, D - I [Option ID = 116531]
2. A - II, B - IV, C - III, D - I [Option ID = 116532]
3. 3. A - IV, B - II, C - III, D - I [Option ID = 116533]
4. A - IV, B - I, C - II, D - III [Option ID = 116534]

**28) Defining Health Systems**

Health system is defined by WHO as: " A health system consists of all organizations, people and actions whose primary intent is to promote, restore or maintain health. This includes efforts to influence determinants of health as well as more direct health- improving activities".

Based on this definition, what of the following is to be included in Health Systems Research?

**[Question ID = 18672][Question Description = Ph.D.PUBH\_Q\_028]**

1. HSR is about the public health services and policies  
[Option ID = 116535]
2. HSR is about inter-sectoral coordination for population health  
[Option ID = 116536]
3. HSR is about the efficiency of private sector health services  
[Option ID = 116537]
4. All the above  
[Option ID = 116538]

**29) According to Max Weber, Authority is defined as:**

**[Question ID = 18673][Question Description = Ph.D.PUBH\_Q\_029]**

1. The assertion of state power over its citizen  
[Option ID = 116539]
2. The legitimate power that one group of persons has over another  
[Option ID = 116540]
3. The exercise of brute power by the state over its citizens  
[Option ID = 116541]
4. To wield legitimate power by a few on others.  
[Option ID = 116542]

**30) Match List I with List II**

| List I                      | List II           |
|-----------------------------|-------------------|
| A. Remembered Village       | I. Andre Beteille |
| B. Rural Sociology in India | II. Ambedkar      |

Choose the correct answer from the options given below:

[Question ID = 18674][Question Description = Ph.D.PUBH\_Q\_030]

1. A - II, B - III, C - IV, D - I [Option ID = 116543]
2. A - III, B - IV, C - I, D - II [Option ID = 116544]
3. A - I, B - II, C - III, D - IV [Option ID = 116545]
4. A - II, B - I, C - III, D - IV [Option ID = 116546]

31) Radical Feminist Theory states that:

[Question ID = 18675][Question Description = Ph.D.PUBH\_Q\_031]

1. There is no inequality among men and women  
[Option ID = 116547]
2. Gender inequality is the result of male domination in all aspects of social and economic life  
[Option ID = 116548]
3. Gender inequality is the result of biological differences among males and females  
[Option ID = 116549]
4. Women are superior to men.  
[Option ID = 116550]

32) Given below are two statements, one is labelled as Assertion A and the other is labelled as Reason R

**Assertion A:** Qualitative methods provide methods and tools to gain indepth understanding of the social phenomenon studied.

**Reason R:** The qualitative methods is useful in public health research.

In light of the above statements, choose the *most appropriate* answer from the options given

[Question ID = 18676][Question Description = Ph.D.PUBH\_Q\_032]

1. Both A and R are correct and R is the correct explanation of A  
[Option ID = 116551]
2. Both A and R are correct but R is NOT the correct explanation of A  
[Option ID = 116552]
3. A is correct but R is not correct  
[Option ID = 116553]
4. A is not correct but R is correct  
[Option ID = 116554]

33) Given below are two statements, one is labelled as Assertion A and the other is labelled as Reason R

**Assertion A :**Quantitative methods allow social phenomena to be measured and analysed using statistical techniques.

**Reason R :** This is why they are employed to study large population sets.

In light of the above statements, choose the correct answer from the options given below

[Question ID = 18677][Question Description = Ph.D.PUBH\_Q\_033]

1. Both A and R are true and R is the correct explanation of A  
[Option ID = 116555]
2. Both A and R are true but R is NOT the correct explanation of A  
[Option ID = 116556]
3. A is true but R is false  
[Option ID = 116557]
4. A is false but R is true  
[Option ID = 116558]

34) The sampling methods employed in a survey method include the following:[Question ID = 18678][Question Description = Ph.D.PUBH\_Q\_034]

1. Random sampling [Option ID = 116559]
2. Snowball sampling [Option ID = 116560]
3. Convenience sampling [Option ID = 116561]
4. All of the above [Option ID = 116562]

35) Match List I with List II

List I

List II

A. Structural FunctionalismI. Karl Marx

B. Functionalism II. Talcott Parsons

C. Marxism III. Auguste Comte

D. Interactionaism IV. George Herbert Mead

Choose the correct answer from the options given below:

[Question ID = 12851][Question Description = Ph.D.PUBH\_Q\_035]

1. A - I, B - III, C - IV, D - II

[Option ID = 116563]

2. A - III, B - I, C - IV, D - II

[Option ID = 116564]

3. A - II, B - III, C - I, D - IV

[Option ID = 116565]

4. A - IV, B - II, C - I, D - III

[Option ID = 116566]

36) Which of the following social scientists have studied caste in India?[Question ID = 12852][Question Description = Ph.D.PUBH\_Q\_036]

1. Ghurye [Option ID = 116567]

2. Irawati Karve [Option ID = 116568]

3. M N Srinivas [Option ID = 116569]

4. 1 and 3 [Option ID = 116570]

37) Given below are two statements, one is labelled as Assertion A and the other is labelled as Reason R

Assertion A: Quantitative research is an important component of public health research.

Reason R: It provides population level trends in mortality and morbidity which is important for health planning.

In light of the above statements, choose the *most appropriate* answer from the options given below

[Question ID = 12853][Question Description = Ph.D.PUBH\_Q\_037]

1. Both A and R are correct and R is the correct explanation of A

[Option ID = 116571]

2. Both A and R are correct but R is NOT the correct explanation of A

[Option ID = 116572]

3. A is correct but R is not correct

[Option ID = 116573]

4. A is not correct but R is correct

[Option ID = 116574]

38) Match List I with List II

List I

List II

A. Writing Caste Writing Gender

I. Babytai Kamble

B. Gendering Caste through a feminist lens

II. Sharmila Rege

C. The Weave of my life: A Dalit Woman's MemoirsIII. Uma Chakravarti

D. The Prisons we Broke

IV. Urmila Pawar

Choose the correct answer from the options given below:

[Question ID = 12854][Question Description = Ph.D.PUBH\_Q\_038]

1. A - I , B - II, C - III, D - IV [Option ID = 116575]

2. A - II, B - III, C - IV, D - I [Option ID = 116576]

3. A - III, B - II, C - IV, D - I [Option ID = 116577]

4. A - IV, B - III, C - I, D - II [Option ID = 116578]

39) The Particularly Vulnerable Tribal Groups(PVTGs) is a Government of India classification to enable improvement in conditions of select groups that live in poor socio-economic conditions whose numbers are dwindling. Which of the following are classified as PVTGs:

[Question ID = 12855][Question Description = Ph.D.PUBH\_Q\_039]

1. Bhils

[Option ID = 116579]

2. Oraons

[Option ID = 116580]

3. Korwa

[Option ID = 116581]

4. Santal

[Option ID = 116582]

40) Given below are two statements, one is labelled as Assertion A and the other is labelled as Reason R

**Assertion A:** The root of health disparities in India is the intersection between caste, class and gender inequalities.

**Reason R:** The structural determinants need to be addressed in conjunction with investment in health services.

In light of the above statements, choose the *most appropriate* answer from the options given below

[Question ID = 12856][Question Description = Ph.D.PUBH\_Q\_040]

1. Both A and R are correct and R is the correct explanation of A

[Option ID = 116583]

2. Both A and R are correct but R is NOT the correct explanation of A

[Option ID = 116584]

3. A is correct but R is not correct

[Option ID = 116585]

4. A is not correct but R is correct

[Option ID = 116586]

41) Which of the following are qualitative methods?

A. Sample Survey

B. Case Study

C. Life Histories

D. Market Survey

E. Ethnography

Choose the *correct* answer from the options given below:

[Question ID = 12857][Question Description = Ph.D.PUBH\_Q\_041]

1. A, B and D only

[Option ID = 116587]

2. B, C and E only

[Option ID = 116588]

3. A, D and E only

[Option ID = 116589]

4. A, B and C only

[Option ID = 116590]

42) Given below are two statements, one is labelled as Assertion A and the other is labelled as Reason R

**Assertion A :** Gender inequalities limits access to work, education and health for women as compared to men in India.

**Reason R :** This is an outcome of biological differences and has nothing to do with social factors.

In light of the above statements, choose the *correct* answer from the options given below

[Question ID = 12858][Question Description = Ph.D.PUBH\_Q\_042]

1. Both A and R are true and R is the correct explanation of A

[Option ID = 116591]

2. Both A and R are true but R is NOT the correct explanation of A

[Option ID = 116592]

3. A is true but R is false

[Option ID = 116593]

4. A is false but R is true

[Option ID = 116594]

43) Which one of the following defines a literate person in the Census of India, 2011?

A. Can read and write her/his name

B. Can read /write any language with understanding

C. Is aged 7 years and above



D. Knows the three 'Rs'

Choose the *correct* answer from the options given below:

[Question ID = 12859][Question Description = Ph.D.PUBH\_Q\_043]

1. A only

[Option ID = 116595]

2. B and C only

[Option ID = 116596]

3. A and C only

[Option ID = 116597]

4. D only

[Option ID = 116598]

44) Which of the following countries implemented the programmes before formulating a policy for population in 1952?

[Question ID = 12860][Question Description = Ph.D.PUBH\_Q\_044]

1. Indonesia [Option ID = 116599]

2. India [Option ID = 116600]

3. The Philippines [Option ID = 116601]

4. The Netherlands [Option ID = 116602]

45) The idea of 'steady state economy' was developed by

[Question ID = 12861][Question Description = Ph.D.PUBH\_Q\_045]

1. Thomas Robert Malthus

[Option ID = 116603]

2. John Stuart Mill

[Option ID = 116604]

3. Adam Smith

[Option ID = 116605]

4. Karl Marx

[Option ID = 116606]

46) Arrange in order of occurrence the following events of relevance for population, health and development

A. Alma Ata Conference

B. Bucharest Conference on Population

C. Earth Summit

D. International Conference on Population and Development

E. United Nations Climate Change Conference

Choose the *correct* answer from the options given below

[Question ID = 12862][Question Description = Ph.D.PUBH\_Q\_046]

1. A, B, C, D, E [Option ID = 116607]

2. E, D, C, A, B [Option ID = 116608]

3. B, A, C, D, E [Option ID = 116609]

4. E, D, C, B, A [Option ID = 116610]

47) Number of children born to an average woman in a given population during her entire life is called-[Question ID = 12863][Question Description = Ph.D.PUBH\_Q\_047]

1. Gross Reproduction Rate [Option ID = 116611]

2. Net Reproduction Rate [Option ID = 116612]

3. Total Fertility Rate [Option ID = 116613]

4. Crude Birth Rate [Option ID = 116614]

48) Match List I with List II

List I

List II

(Thinkers)

(Known for)

A. John Snow

I. Modern Rise of Population

B. Thomas Mckeown

II. Notes on Nursing

C. Edwin Chadwick

III. Broad Street Pump

D. Florence Nightingale

IV. Report on Sanitary Condtions of the Labouring Population of Great Britain

E. John Graunt

V. The Bills of Mortality

Choose the correct answer from the options given below:

[Question ID = 12864][Question Description = Ph.D.PUBH\_Q\_048]

1. A - I, B - V, C - II, D - IV, E - III [Option ID = 116615]
2. A - V, B - I, C - III, D - IV, E - II [Option ID = 116616]
3. A - IV, B - III, C - II, D - I, E - V [Option ID = 116617]
4. A - III, B - I, C - IV, D - II, E - V [Option ID = 116618]

49) Given below are two statements, one is labeled as Assertion A and the other is labeled as Reason R

**Assertion A:** A farmer puts in labour and capital worth INR 100,000 to her farm as part of the incentives given by the government. The first unit of labour and capital yield 10000 kg of grain. The second unit of labour and capital increase the yield to 18000 kg, and the third to 25000 kg.

**Reason R:** The application of each new unit of about and capital increases the total output of grains but the output due to each successive unit goes on diminishing from 10000 kg to 8000 kg to 7000 kg as the Law of Diminishing Returns sets in.

In light of the above statements, choose the *most appropriate* answer from the options given below

[Question ID = 12865][Question Description = Ph.D.PUBH\_Q\_049]

1. Both A and R are correct and R is the correct explanation of A  
[Option ID = 116619]
2. Both A and R are correct but R is NOT the correct explanation of A  
[Option ID = 116620]
3. A is correct but R is not correct  
[Option ID = 116621]
4. A is not correct but R is correct  
[Option ID = 116622]

50) The 'World City Hypothesis' was given by which of the following -

[Question ID = 12866][Question Description = Ph.D.PUBH\_Q\_050]

1. John Friedmann [Option ID = 116623]
2. Manual Castells [Option ID = 116624]
3. David Harvey [Option ID = 116625]
4. Kingsley Davis [Option ID = 116626]

51) Which of the following is NOT a characteristic of urban sprawl?[Question ID = 12867][Question Description = Ph.D.PUBH\_Q\_051]

1. Unlimited outward extension [Option ID = 116627]
2. Leapfrog development that consumes farmland and natural areas [Option ID = 116628]
3. Decaying city centres as new development occurs in 'former' rural areas [Option ID = 116629]
4. Strong centralised planning or control of land uses [Option ID = 116630]

52) In explaining population growth, the '*theory of social capillarity*' was given by-

[Question ID = 12868][Question Description = Ph.D.PUBH\_Q\_052]

1. Carr Saunders [Option ID = 116631]
2. Henry George [Option ID = 116632]
3. Arsene Dumont [Option ID = 116633]
4. Herbert Spencer [Option ID = 116634]

53) Sample Registration System (SRS) is-

[Question ID = 18679][Question Description = Ph.D.PUBH\_Q\_053]

1. A large scale demographic survey which provides reliable annual estimates of mortality and fertility at national and sub-national levels  
[Option ID = 116635]
2. A sample survey to register movement of working population  
[Option ID = 116636]
3. Registration of marriages and divorces at district level  
[Option ID = 116637]
4. Ragistration of birth and death at distirct level  
[Option ID = 116638]

54) Which of the following best describes the 'Non Probability Sampling'?

[Question ID = 18680][Question Description = Ph.D.PUBH\_Q\_054]

1. Collection of quantitative data only  
[Option ID = 116639]
2. Used when the researcher targets particular group(s) and is not seeking to generalise the findings to the overall population  
[Option ID = 116640]
3. Used in establishing causality between study variables  
[Option ID = 116641]

4. Collection of data as per researcher convenience.

[Option ID = 116642]

**55) Match List I with List II**

| List I                  | List II                     |
|-------------------------|-----------------------------|
| (Techniques)            | (Tools)                     |
| A. Content analysis     | I. Guidelines               |
| B. Indepth interview    | II. Pile sorting            |
| C. Structured interview | III. Questionnaire schedule |
| D. Online interview     | IV. Questionnaire           |
| E. Observation          | V. Field Diary              |

Choose the correct answer from the options given below:

[Question ID = 18681][Question Description = Ph.D.PUBH\_Q\_055]

1. A - II, B - I, C - III, D - IV, E - V [Option ID = 116643]
2. A - IV, B - III, C - II, D - V, E - I [Option ID = 116644]
3. A - II, B - I, C - IV, D - III, E - V [Option ID = 116645]
4. A - V, B - I, C - III, D - II, E - IV [Option ID = 116646]

**56) A *Ratio* is a simple mathematical measurement which shows a relational attribute. Which of the following is NOT true about Ratio?**

- A. It is expressed as x/y and/or X:Y
- B. It is dimensionless, has no unit
- C. Variables 'x' and 'y' are not related
- D. Female-male ratio is an example
- E. All the above

Choose the *correct* answer from the options given below:

[Question ID = 18682][Question Description = Ph.D.PUBH\_Q\_056]

1. A, B and D only [Option ID = 116647]
2. B and C only [Option ID = 116648]
3. A and D only [Option ID = 116649]
4. E only [Option ID = 116650]

**57) Systematic desensitization was developed in 1958 by[Question ID = 18683][Question Description = Ph.D.PUBH\_Q\_057]**

1. B. F Skinner [Option ID = 116651]
2. Joseph Wolpe [Option ID = 116652]
3. Albert Bandura [Option ID = 116653]
4. Sigmund Freud [Option ID = 116654]

**58) The credit for the birth of electroencephalograph (EEG) goes to[Question ID = 18684][Question Description = Ph.D.PUBH\_Q\_058]**

1. Hans Berger [Option ID = 116655]
2. Carl Rogers [Option ID = 116656]
3. Jacob Moreno [Option ID = 116657]
4. Fritz Perls [Option ID = 116658]

**59) *Whoever wishes to investigate medicine properly, should proceed thus: in the first place to consider the seasons of the year, and what effects each of them produces, for they are not at all alike, but differ much from themselves in regard to their changes. Then the winds, the hot and the cold, especially such as are common to all countries, and then such as are peculiar to each locality.***

***We must also consider the qualities of the waters, for as they differ from one another in taste and weight, so also do they differ much in their qualities.***

**Who stated the above?**

[Question ID = 18685][Question Description = Ph.D.PUBH\_Q\_059]

1. John Snow [Option ID = 116659]
2. Hippocrates [Option ID = 116660]
3. Galileo Galilei [Option ID = 116661]
4. John Graunt [Option ID = 116662]

**60) Pathologist named .....forcefully promoted during the second part of the nineteenth century the concept that medicine and public health are not only biological but also applied social sciences.[Question ID = 18686][Question Description = Ph.D.PUBH\_Q\_060]**

1. Rudolf Virchow [Option ID = 116663]
2. Joseph Goldberger [Option ID = 116664]
3. Pierre-Charles Alexandre Louis [Option ID = 116665]
4. Edwin Chadwick [Option ID = 116666]

**61) Visual Analog Scale is used for:**

**[Question ID = 18687][Question Description = Ph.D.PUBH\_Q\_061]**

1. Testing of visual acuity  
[Option ID = 116667]
2. Measurement of abstract variables such as pain  
[Option ID = 116668]
3. Computer recognition of data  
[Option ID = 116669]
4. Measurement of discrete variables  
[Option ID = 116670]

**62) Attrition or Loss to follow up is a problem with:**

**[Question ID = 18688][Question Description = Ph.D.PUBH\_Q\_062]**

1. Case control study  
[Option ID = 116671]
2. Cross-sectional study  
[Option ID = 116672]
3. Cohort study  
[Option ID = 116673]
4. Experimental study  
[Option ID = 116674]

**63) Counter-transference is most likely to be encountered in which of the following**

**A. Psychoanalysis**

**B. Drug trials**

**C. Hypnosis**

**D. Patient-centered health care**

**Choose the correct answer from the options given below:**

**[Question ID = 18689][Question Description = Ph.D.PUBH\_Q\_063]**

1. A only [Option ID = 116675]
2. B and C only [Option ID = 116676]
3. A and D only [Option ID = 116677]
4. C only [Option ID = 116678]

**64) Which of the following prerequisites are necessary to establish a microorganism as the cause of a disease (known as Koch's postulates)**

**A. The microorganism should be found in every case of the disease.**

**B. Experimental reproduction of the disease should be achieved by inoculation of the microorganism taken from an individual suffering from the disease.**

**C. The microorganism should not be found in cases of other diseases**

**Choose the correct answer from the options given below:**

**[Question ID = 18690][Question Description = Ph.D.PUBH\_Q\_064]**

1. A and B only [Option ID = 116679]
2. B and C only [Option ID = 116680]
3. A and C only [Option ID = 116681]
4. A, B and C only [Option ID = 116682]

**65) A. An experimental study design is a prospective design.**

**B. An experimental study design can be both prospective and retrospective design.**

**Choose the correct answer from the options given below:**

**[Question ID = 18691][Question Description = Ph.D.PUBH\_Q\_065]**

1. A only  
[Option ID = 116683]
2. B only  
[Option ID = 116684]

3. A and B are both correct  
[Option ID = 116685]
4. A and B both are not correct  
[Option ID = 116686]

**66) A. Reflexivity refers to exploring (i.e., reflecting) how the perspectives of the researcher and the interaction between researcher and participant influence the research process.**

**B. Reflexivity refers to the examination of one's own beliefs, judgments and practices during the research process and how these may have influenced the research.**

Choose the correct answer from the options given below:

[Question ID = 18692][Question Description = Ph.D.PUBH\_Q\_066]

1. A only [Option ID = 116687]  
2. B only [Option ID = 116688]  
3. Both A and B are correct [Option ID = 116689]  
4. Both A and B are NOT correct [Option ID = 116690]

**67) In general missing data pattern, item non-response occurs when**

**A. the person omits for e.g. the last k items of a long survey.**

**B. the respondent may fail to answer individual items in the middle of a survey that is otherwise complete.**

**C. the respondent may omit blocks of questions, but not necessarily at the end of the survey.**

**D. the respondent is missing from a whole wave of measurement in a longitudinal study.**

Choose the correct answer from the options given below:

[Question ID = 18693][Question Description = Ph.D.PUBH\_Q\_067]

1. A, B and D only  
[Option ID = 116691]  
2. A, B and C only  
[Option ID = 116692]  
3. D only  
[Option ID = 116693]  
4. A only  
[Option ID = 116694]

**68) A. A meta-analysis combines the quantitative results of a number of different studies into one report to create a single, more precise, and robust estimate of effect.**

**B. In a meta-analysis data from individual studies are combined to reach new statistical conclusions.**

Choose the correct answer from the options given below:

[Question ID = 18694][Question Description = Ph.D.PUBH\_Q\_068]

1. A only [Option ID = 116695]  
2. B only [Option ID = 116696]  
3. A and B both are correct [Option ID = 116697]  
4. A and B both are NOT correct [Option ID = 116698]

**69) Match List I with List II**

| List I   | List II                     |
|--|-----------------------------|
| A. The social world is composed of observable facts. Reality is objective, independent of the researcher.  | I. Interpretivist Paradigm  |
| B. The social world is constructed of meaning observable in symbolic human acts, interactions, and language. Reality is subjective and multiple as seen from different perspectives.   | II. Transformative Paradigm |
| C. The social world is governed by power relations, a fact that influences research design by identifying and including all relevant subgroups. Reality is negotiated and differs.   | III. Pragmatic Paradigm     |
| D. Asserts that there is single reality and that all individuals have their own unique interpretation of reality. Relationships in research are determined by what the researcher deems as appropriate to that particular study. | IV. Positivist Paradigm     |

Choose the correct answer from the options given below:

[Question ID = 18695][Question Description = Ph.D.PUBH\_Q\_069]

1. A - II, B - IV, C - III, D - I

[Option ID = 116699]

2. A - III, B - II, C - I, D - IV

[Option ID = 116700]

3. A - I, B - III, C - IV, D - II

[Option ID = 116701]

4. A - IV, B - I, C - II, D - III

[Option ID = 116702]

**70) In a study of socio- demographics and intent to breastfeed in pregnant women**

**A. intent to breastfeed would be the independent variable**

**B. whereas factors, such as age, race/ethnicity, and education, would be the dependent variable**

**Choose the correct answer from the options given below:**

**[Question ID = 18696][Question Description = Ph.D.PUBH\_Q\_070]**

1. A only [Option ID = 116703]
2. B only [Option ID = 116704]
3. A and B both are correct [Option ID = 116705]
4. A and B both are NOT correct [Option ID = 116706]

**71) Given below are two statements**

**Statement I: Covert participant observation is clearly a violation of the principle of informed consent.**

**Statement II: In covert research, the participants can decide whether or not to participate.**

**In light of the above statements, choose the *correct* answer from the options given below**

**[Question ID = 18697][Question Description = Ph.D.PUBH\_Q\_071]**

1. Both Statement I and Statement II are true [Option ID = 116707]
2. Both Statement I and Statement II are false [Option ID = 116708]
3. Statement I is true but Statement II is false [Option ID = 116709]
4. Statement I is false but Statement II is true [Option ID = 116710]

**72) Unethical research includes;**

**A. Studies that offer their subjects risks that exceed their potential benefits.**

**B. Those studies performed upon un-consenting persons.**

**C. Study with an acceptable risk-benefit ratio and whose subjects have freely consented.**

**D. Research population from persons disadvantaged by reason of race, religion, or dependency, among others.**

**Choose the correct answer from the options given below:**

**[Question ID = 18698][Question Description = Ph.D.PUBH\_Q\_072]**

1. A, B and D only  
[Option ID = 116711]
2. A, B, C only  
[Option ID = 116712]
3. B, C, D only  
[Option ID = 116713]
4. A, C, D only  
[Option ID = 116714]

**73) Match List I with List II**

| List I                     | List II            |
|----------------------------|--------------------|
| Book                       | Author             |
| A. A Bend in the River     | I. Jaswant Singh   |
| B. India at Risk           | II. V S Naipaul    |
| C. God of Small Things     | III. Jhumpa Lahiri |
| D. Interpreter of Maladies | IV. Arundathi Roy  |

**Choose the correct answer from the options given below:**

**[Question ID = 12869][Question Description = Ph.D.PUBH\_Q\_073]**

1. A - II, B - I, C - IV, D - III [Option ID = 116715]
2. A - II, B - I, C - III, D - IV [Option ID = 116716]
3. A - I, B - II, C - IV, D - III [Option ID = 116717]
4. A - I, B - III, C - II, D - IV [Option ID = 116718]

74) Match List I with List II

| List I                 | List II          |
|------------------------|------------------|
| A. Homo Hierarchicus   | I. Ruth Benedict |
| B. Stone Age Economics | II. Dumont L     |
| C. Orientalism         | III. Shalins M   |
| D. Patterns of Culture | IV. Edward Said  |

Choose the correct answer from the options given below:

[Question ID = 12870][Question Description = Ph.D.PUBH\_Q\_074]

1. A - I, B -III, C -IV, D -II

[Option ID = 116719]

2. A -II , B -III , C -IV , D -I

[Option ID = 116720]

3. A - II, B -III , C - I, D -IV

[Option ID = 116721]

4. A -II , B -IV , C -III , D -I

[Option ID = 116722]

75) Software for quantitative data analysis;

- A. STATA
- B. MATLAB
- C. MAXQDA
- D. PYTHON

Choose the correct answer from the options given below:

[Question ID = 12871][Question Description = Ph.D.PUBH\_Q\_075]

1. A, B and D only [Option ID = 116723]

2. A, B and C only [Option ID = 116724]

3. B, C and D only [Option ID = 116725]

4. A, C and D only [Option ID = 116726]

76) Common examples of how Ethnographic research is collected are;

- A. Online Diaries
- B. Scrapbooks
- C. Eye Tracking
- D. Survey

Choose the *correct* answer from the options given below:

[Question ID = 12872][Question Description = Ph.D.PUBH\_Q\_076]

1. A, B and D only [Option ID = 116727]

2. A, B, C only [Option ID = 116728]

3. A, C, D only [Option ID = 116729]

4. B, C, D only [Option ID = 116730]

77) Given below are two statements

Statement I: The goal of participant observation is to gain a deep understanding and familiarity with a certain group of individuals, their values, beliefs, and way of life.

Statement II: To conduct participant observation, the researcher often lives within the group, becomes a part of it, and lives as a group member for an extended period of time, allowing them access to the intimate details and goings-on of the group and their community.

In light of the above statements, choose the *correct* answer from the options given below

[Question ID = 12873][Question Description = Ph.D.PUBH\_Q\_077]

1. Both Statement I and Statement II are true [Option ID = 116731]

2. Both Statement I and Statement II are false [Option ID = 116732]

3. Statement I is true but Statement II is false [Option ID = 116733]

4. Statement I is false but Statement II is true [Option ID = 116734]

78) Match List I with List II

List I

List II

- A. Animism I. G. Elliot Smit
- B. Diffusionism II. Talcot Parson
- C. Evolutionism III. Edward Burnett Tyler
- D. FunctionalismIV. Charles Darwin

Choose the correct answer from the options given below:

[Question ID = 12874][Question Description = Ph.D.PUBH\_Q\_078]

1. A - II, B - I, C - IV, D - III [Option ID = 116735]
2. A - III, B - IV, C - II, D - I [Option ID = 116736]
3. A - III, B - I, C - IV, D - II [Option ID = 116737]
4. A - III, B - IV, C - I, D - II [Option ID = 116738]

79) The four major types of mixed methods are;

- A. The Triangulation Design
- B. The Embedded Design
- C. The Explanatory Design
- D. The experimental Design
- E. The Exploratory Design

Choose the correct answer from the options given below:

[Question ID = 12875][Question Description = Ph.D.PUBH\_Q\_079]

1. A, B and D only [Option ID = 116739]
2. A, C, D, E only [Option ID = 116740]
3. A, B, C, E only [Option ID = 116741]
4. A, C, E only [Option ID = 116742]

80) Given below are two statements

Statement I: Case studies are based on an in-depth investigation of a single individual, group or event to explore the causes of underlying principles.

Statement II: A case study is a non-descriptive and non-exploratory analysis of a person, group or event.

In light of the above statements, choose the correct answer from the options given below

[Question ID = 12876][Question Description = Ph.D.PUBH\_Q\_080]

1. Both Statement I and Statement II are true [Option ID = 116743]
2. Both Statement I and Statement II are false [Option ID = 116744]
3. Statement I is true but Statement II is false [Option ID = 116745]
4. Statement I is false but Statement II is true [Option ID = 116746]

81) Which of the following was started for providing equitable and quality primary health care services to the urban population with a special focus on slum and vulnerable sections of the society?

- A. NRHM
- B. NUHM
- C. MGNREGA
- D. AYUSH

Choose the correct answer from the options given below:

[Question ID = 12877][Question Description = Ph.D.PUBH\_Q\_081]

1. A, B and C only [Option ID = 116747]
2. A only [Option ID = 116748]
3. B only [Option ID = 116749]
4. A and B only [Option ID = 116750]

82) Match List I with List II

List I

List II

Approach

Meaning

- A. Intradisciplinary I. Analyses synthesizes and harmonizes links between disciplines into a coordinated and coherent whole.
- B. Multidisciplinary II. Creating a unity of intellectual framework beyond the disciplinary perspective.
- C. TransdisciplinaryIII. Draws on knowledge from different disciplines but stays within their boundaries.
- D. Interdisciplinary IV. Working within a single discipline.



Choose the correct answer from the options given below:

[Question ID = 12878][Question Description = Ph.D.PUBH\_Q\_082]

1. A -IV , B -II , C -I , D -III [Option ID = 116751]
2. A - IV, B -III , C -I , D -II [Option ID = 116752]
3. A - I, B -III, C -II , D -IV [Option ID = 116753]
4. A -IV , B -III , C -II , D - I [Option ID = 116754]

83) The social determinants of health, which can influence health equity in positive ways are;

- A. Income and social protection
- B. Food insecurity
- C. Housing, basic amenities and the environment
- D. Social inclusion and non-discrimination

Choose the correct answer from the options given below:

[Question ID = 12879][Question Description = Ph.D.PUBH\_Q\_083]

1. A, B and D only [Option ID = 116755]
2. A, C and D only [Option ID = 116756]
3. B, C, D only [Option ID = 116757]
4. A and C only [Option ID = 116758]

84) Match List I with List II

| List I                 | List II         |
|------------------------|-----------------|
| Dial                   | Helpline number |
| A. Dial a doctor       | I. 102          |
| B. Child abuse hotline | II. 1098        |
| C. Ambulance           | III. 1911       |
| D. Traffic Police      | IV. 103         |

Choose the correct answer from the options given below:

[Question ID = 12880][Question Description = Ph.D.PUBH\_Q\_084]

1. A - III, B -II , C - I, D -IV [Option ID = 116759]
2. A -III, B -II, C -IV, D - I [Option ID = 116760]
3. A -III, B - I, C - II, D - IV [Option ID = 116761]
4. A -II , B -I , C -III , D -IV [Option ID = 116762]

85) Match List I with List II

| List I                                      | List II                                     |
|---|---|
| Programme                                   | Ministry                                    |
| A. Prophylaxis against nutritional anaemia. | Ministry of Social Welfare                  |
| B. Balwadi nutrition programme              | II. Ministry of Women and Child Development |
| C. ICDS programme                           | III. Ministry of Education                  |
| D. Midday meal programme                    | IV. Ministry of Health and Family Welfare   |

Choose the correct answer from the options given below:

[Question ID = 12881][Question Description = Ph.D.PUBH\_Q\_085]

1. A - IV, B - I, C - II, D - III  
[Option ID = 116763]
2. A - II, B - III, C - IV, D - I  
[Option ID = 116764]
3. A - II, B - III, C - I, D - IV  
[Option ID = 116765]
4. A - IV, B - III, C - II, D - I  
[Option ID = 116766]

86) Which of the following is NOT true about Ebola virus is?

- A. Caused by RNA virus
- B. Bats most likely reservoir

C. Incubation period is less than 48 hours

D. Sexual transmission possible

E. Oseltamivir is effective in treatment

Choose the *correct* answer from the options given below:

[Question ID = 12882][Question Description = Ph.D.PUBH\_Q\_086]

1. A, D and E only

[Option ID = 116767]

2. C and E only

[Option ID = 116768]

3. A, C and E only

[Option ID = 116769]

4. C, D and E only

[Option ID = 116770]

87) Arrange the following in chronological sequence

A. Modified Plan of Operations

B. National Malaria Eradication Programme

C. National Vector Borne Disease Control Programme

D. Strategic action plan for malaria control in India

E. Intensified Malaria Control Project (IMCP)

Choose the *correct* answer from the options given below

[Question ID = 12883][Question Description = Ph.D.PUBH\_Q\_087]

1. A, B, D, E, C [Option ID = 116771]

2. A, B, E, D, C [Option ID = 116772]

3. B, A, C, E, D [Option ID = 116773]

4. B, A, C, D, E [Option ID = 116774]

88) Match List I with List II

| List I | List II |
|--------|---------|
|--------|---------|

| VACCINE | TYPE |
|---------|------|
|---------|------|

|        |                          |
|--------|--------------------------|
| A. MMR | I. Killed whole organism |
|--------|--------------------------|

|       |                     |
|-------|---------------------|
| B. JE | II. Live attenuated |
|-------|---------------------|

|        |                 |
|--------|-----------------|
| C. Hib | III. Recombinan |
|--------|-----------------|

|        |                    |
|--------|--------------------|
| D. HPV | IV. Polysaccharide |
|--------|--------------------|

Choose the correct answer from the options given below:

[Question ID = 12884][Question Description = Ph.D.PUBH\_Q\_088]

1. A - I, B - II, C - III, D - IV [Option ID = 116775]

2. A - III, B - IV, C - I, D - II [Option ID = 116776]

3. A - II, B - III, C - I, D - IV [Option ID = 116777]

4. A - II, B - I, C - IV, D - III [Option ID = 116778]

89) A 40 year old man working in a coal mine since 15 years developed cough, dyspnoea on exertion and chest pain. His X-ray showed “snow - storm” appearance in lung fields. The most likely diagnosis is[Question ID = 12885][Question Description = Ph.D.PUBH\_Q\_089]

1. Anthracosis [Option ID = 116779]

2. Asbestosis [Option ID = 116780]

3. Silicosis [Option ID = 116781]

4. Siderosis [Option ID = 116782]

90) A 10 month old child is brought to a PHC with history of cough and cold. On examination, he has respiratory rate of 48 breaths per minute and there is absence of chest indrawing. His weight is 5 kg. He is probably suffering from[Question ID = 12886][Question Description = Ph.D.PUBH\_Q\_090]

1. No pneumonia [Option ID = 116783]

2. Pneumonia [Option ID = 116784]

3. Severe pneumonia [Option ID = 116785]

4. Very severe pneumonia [Option ID = 116786]

91) Population of a village on 1st June 2007 is 16,500. Since 1st January 2007, 22 new cases of TB were detected. Total registered cases were 220. What is the incidence of TB?

[Question ID = 12887][Question Description = Ph.D.PUBH\_Q\_091]

1. 100 per 100, 000  
[Option ID = 116787]
2. 111 per 100, 000  
[Option ID = 116788]
3. 121 per 100, 000  
[Option ID = 116789]
4. 133 per 100, 000  
[Option ID = 116790]

**92) A malarial survey is conducted in 50 villages having a population of 1 lakh. Out of 20000 slides examined, 500 turned out to be malaria positive. The annual parasite incidence is**[Question ID = 12888][Question Description = Ph.D.PUBH\_Q\_092]

1. 0.4 [Option ID = 116791]
2. 0.5 [Option ID = 116792]
3. 5 [Option ID = 116793]
4. 20 [Option ID = 116794]

**93) Health communication can take place at a number of different levels, and the Centers for Disease Control and Prevention, USA, identified the following levels of impact:**

- A. The individual
- B. The social network
- C. The organizations
- D. The community
- E. The society

Choose the *correct* answer from the options given below:

[Question ID = 12889][Question Description = Ph.D.PUBH\_Q\_093]

1. A, B and D only [Option ID = 116795]
2. A, B, C, D and E [Option ID = 116796]
3. B, C and D only [Option ID = 116797]
4. E only [Option ID = 116798]

**94) Which of the following is NOT an outcome of effective health communication?**[Question ID = 12890][Question Description = Ph.D.PUBH\_Q\_094]

1. improve the health outcomes of acute and chronic conditions [Option ID = 116799]
2. reduce the impact of racial, ethnic, disease-specific and socio-economic factors in care [Option ID = 116800]
3. improve the effectiveness of prevention and health promotion [Option ID = 116801]
4. improve knowledge on the ingredients of traditional healing system [Option ID = 116802]

**95) Match List I with List II**

List I                      List II

Health Care Audiences      Characteristics/Descriptions

- |              |  |
|--------------|--|
| A. Consumers | I. The actual purchaser of a good or service.  |
| B. Customers | II. Refers to any individual or organization that is a potential purchaser of a healthcare product |
| C. Clients   | III. Someone who has been admitted into the formal system of healthcare.                           |
| D. Patients  | IV. Consumes services rather than goods  |

Choose the correct answer from the options given below:

[Question ID = 12891][Question Description = Ph.D.PUBH\_Q\_095]

1. A - II, B - I, C - IV, D - III [Option ID = 116803]
2. A - I, B - II, C - III, D - IV [Option ID = 116804]
3. A - II, B - III, C - IV, D - I [Option ID = 116805]
4. A - III, B - IV, C - II, D - I [Option ID = 116806]

**96) Any communication efforts must be attuned to the needs and want of different intended audiences. Segmentation of audiences can help the communicator in developing which of the followings health communication activities?**

- A. Develop messages, materials
- B. Develop activities that are relevant to the intended audience's current behaviour and specific needs,
- C. Develop activities based on preferences, beliefs, cultural attitudes, knowledge, and reading habits.
- .D. Develop community intervention activities
- E. Develop participatory rural appraisal

Choose the *correct* answer from the options given below

[Question ID = 12892][Question Description = Ph.D.PUBH\_Q\_096]

1. A, B, C, D, E

[Option ID = 116807]

2. A, B and C only

[Option ID = 116808]

3. A, B, C and D only

[Option ID = 117265]

4. D and E only

[Option ID = 117266]

97) Given below are two statements, one is labelled as Assertion A and the other is labelled as Reason R

**Assertion A:** Consumers of health services seldom determine their need for services and are seldom the ultimate decision-makers

**Reason R:** Consumers of other services usually determine their need for services and usually the ultimate decision-makers

In light of the above statements, choose the *correct* answer from the options given below

[Question ID = 12893][Question Description = Ph.D.PUBH\_Q\_097]

1. Both A and R are true and R is the correct explanation of A

[Option ID = 117267]

2. Both A and R are true but R is NOT the correct explanation of A

[Option ID = 117268]

3. A is true but R is false

[Option ID = 117269]

4. A is false but R is true

[Option ID = 117270]

98) The school health programmes have been initiated in over 26 states, as on 30th June 2013, under which one of the following programmes/Missions?[Question ID = 12896][Question Description = Ph.D.PUBH\_Q\_098]

1. National Urban Health Mission [Option ID = 117279]
2. National Rural Health Mission [Option ID = 117280]
3. Sarva Shiksha Abhiyan [Option ID = 117281]
4. Pradhan Mantri Swasthya Yojana [Option ID = 117282]

99) Given below are two statements

**Statement I:** The beginning of School Health Service in India dates back to 1909, when for the first time medical examination of school children was carried out in Baroda city.

**Statement II:** The Bhore Committee (1946) reported that School Health Services were practically non-existent in India, and where they existed, they were in an under-developed state.

In light of the above statements, choose the *correct* answer from the options given below

[Question ID = 12894][Question Description = Ph.D.PUBH\_Q\_099]

1. Both Statement I and Statement II are true [Option ID = 117271]
2. Both Statement I and Statement II are false [Option ID = 117272]
3. Statement I is true but Statement II is false [Option ID = 117273]
4. Statement I is false but Statement II is true [Option ID = 117274]

100) A Positive corelation is present when\_\_\_\_\_

[Question ID = 12895][Question Description = Ph.D.PUBH\_Q\_100]

1. Two variables move in opposite direction.

[Option ID = 117275]

2. Two variable move in the same direction.

[Option ID = 117276]

3. One variable goes up and one goes down.

[Option ID = 117277]

4. Several variables naver change.

[Option ID = 117278]