

JNUEE PHD Studies in Science Policy

Topic:- SSPH877 JNUS21

1) The source(s) of data in exploratory research is/are[Question ID = 27460][Question Description = Ph.D_SSPH_001]

1. Survey of concerning literature [Option ID = 183423]
2. Experience Survey [Option ID = 183424]
3. Analysis of insight stimulating examples [Option ID = 183425]
4. All of the above [Option ID = 183426]

2) Given below are two statements

Statement I:The concept of *Anu* (atom like) was propounded in *Sankhya Darshan*

Statement II:The concept of *Anu* (atom like) was propounded by *Maharishi Kanaad*

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

[Question ID = 27461][Question Description = Ph.D_SSPH_002]

1. Both Statement I and Statement II are true
[Option ID = 183427]
2. Both Statement I and Statement II are false
[Option ID = 183428]
3. Statement I is true but Statement II is false
[Option ID = 183429]
4. Statement I is false but Statement II is true
[Option ID = 183430]

3) Given below are two statements

Statement I: The National Education Policy 2020 envisages vocational education at School level.

Statement II: The National Education Policy 2020 suggests for promoting higher Education in mother tongue.

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

[Question ID = 27462][Question Description = Ph.D_SSPH_003]

1. Both Statement I and Statement II are correct
[Option ID = 183431]
2. Both Statement I and Statement II are incorrect
[Option ID = 183432]
3. Statement I is correct but Statement II is incorrect
[Option ID = 183433]
4. Statement I is incorrect but Statement II is correct
[Option ID = 183434]

4) Given below are two statements

Statement I: The Concept of Zero was developed by Aryabhatta

Statement II: The Concept of Zero developed by India was also adopted by the Greeks

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

[Question ID = 27463][Question Description = Ph.D_SSPH_004]

1. Both Statement I and Statement II are correct
[Option ID = 183435]
2. Both Statement I and Statement II are incorrect
[Option ID = 183436]
3. Statement I is correct but Statement II is incorrect
[Option ID = 183437]
4. Statement I is incorrect but Statement II is correct
[Option ID = 183438]

5) What is Mucormycosis?

A.It is a disease that mainly affects the skins, lungs and brain.

B. It is a rare fungal infection.

C. It is a condition of brain haemorrhage.

D. It happens to people with weak immunity.

Choose the correct answer from options given below:

[Question ID = 27464][Question Description = Ph.D_SSPH_005]

1. A, B and C only

[Option ID = 183439]

2. B, C and D only

[Option ID = 183440]

3. C and D only

[Option ID = 183441]

4. A, B and D only

[Option ID = 183442]

6) Which concept is not associated with Thomas Kuhn?[Question ID = 27465][Question Description = Ph.D_SSPH_006]

1. Normal Science [Option ID = 183443]

2. Puzzle Solving [Option ID = 183444]

3. Research Programm [Option ID = 183445]

4. Paradigm [Option ID = 183446]

7) Given below are two statements

Statement I: Scientific Community refers to a group of people who adheres to an 'Ethos of Science'.

Statement II: Scientific Community forms a common consensus on what is called 'scientific knowledge'.

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

[Question ID = 27466][Question Description = Ph.D_SSPH_007]

1. Both Statement I and Statement II are correct

[Option ID = 183447]

2. Both Statement I and Statement II are incorrect

[Option ID = 183448]

3. Statement I is correct but Statement II is incorrect

[Option ID = 183449]

4. Statement I is incorrect but Statement II is correct

[Option ID = 183450]

8) What is CRISPR/CAS9 'Scissor' ?[Question ID = 27467][Question Description = Ph.D_SSPH_008]

1. It is a method for genome editing [Option ID = 183451]

2. It is a smart scissor to perform brain surgery. [Option ID = 183452]

3. It is a new drug to stop corona virus from penetrating the cell wall. [Option ID = 183453]

4. It is a tool to detect corona virus in human cells [Option ID = 183454]

9) Please read the following statements:

A. Plastic Surgery originated in India

B. *Sushruta* is considered the Father of Indian surgery

C. *Charak Samhita* is considered the oldest text on Plastic surgery

D. The National Plastic Surgery Day is celebrated on 15th July

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

[Question ID = 27468][Question Description = Ph.D_SSPH_009]

1. A, B and D only

[Option ID = 183455]

2. A and C only

[Option ID = 183456]

3. B and C only

[Option ID = 183457]

4. B, C and D only

[Option ID = 183458]

10) Match List I with List II

List I

List II

Name of the Vaccine against Covid-19	Developed by (country name)
A. Sputnik V	I. Russia
B. Soberna 2	II. USA
C. Covaxine	III. UK
D. Moderna	IV. India
	V. Cuba

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

[Question ID = 27469][Question Description = Ph.D_SSPH_010]

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

[Option ID = 183459]

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

[Option ID = 183460]

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

[Option ID = 183461]

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

[Option ID = 183462]

11) What is a longitudinal research ?

A. Longitudinal research is a process in which data is collected over a long period of time

B. Longitudinal research is conducted to find the trends in the phenomena

C. Longitudinal research is confined to a single time period

D. Longitudinal research is conducted for foresight analysis

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

[Question ID = 27470][Question Description = Ph.D_SSPH_011]

1. B and C only

[Option ID = 183463]

2. B,C and D only

[Option ID = 183464]

3. A, B and D only

[Option ID = 183465]

4. C and D only

[Option ID = 183466]

12) Given below are two statements, one is labelled as

Assertion A and the other is labelled as Reason R

Assertion A: Non-probability sampling techniques include convenience sampling.

Reason R: Non-probability sampling is used when research is exploratory in nature.

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

[Question ID = 27471][Question Description = Ph.D_SSPH_012]

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

[Option ID = 183467]

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

[Option ID = 183468]

3. A is correct but R is not correct

[Option ID = 183469]

4. A is not correct but R is correct

[Option ID = 183470]

13) Given below are two statements

Statement I: Sampling error can be minimised by increasing the sample size.

Statement II: Increasing the sample size enhances the systematic bias.

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

[Question ID = 27472][Question Description = Ph.D_SSPH_013]

- Both Statement I and Statement II are correct
[Option ID = 183471]
- Both Statement I and Statement II are incorrect
[Option ID = 183472]
- Statement I is correct but Statement II is incorrect
[Option ID = 183473]
- Statement I is incorrect but Statement II is correct
[Option ID = 183474]

14) Given below are two statements

Statement I: Stratified random sampling method is adopted if the universe is homogenous.

Statement II: Hetrogenous universe of the study is stratified on the basis of some common criteria.

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

[Question ID = 34185][Question Description = Ph.D_SSPH_014]

- Both Statement I and Statement II are correct
[Option ID = 183475]
- Both Statement I and Statement II are incorrect
[Option ID = 183476]
- Statement I is correct but Statement II is incorrect
[Option ID = 183477]
- Statement I is incorrect but Statement II is correct
[Option ID = 183478]

15) Given below are two statements

Statement I: National Science Day is celebrated on 28th February every Year in India.

Statement II: Dr C.V. Raman's birth date 28th February is celebrated as National Science Day.

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

[Question ID = 34186][Question Description = Ph.D_SSPH_015]

- Both Statement I and Statement II are true
[Option ID = 183479]
- Both Statement I and Statement II are false
[Option ID = 183480]
- Statement I is true but Statement II is false
[Option ID = 183481]
- Statement I is false but Statement II is true
[Option ID = 183482]

16) What is 'Vigyan Jyoti'?**[Question ID = 34187][Question Description = Ph.D_SSPH_016]**

- It is a programme of DST to popularise science in society. [Option ID = 183483]
- It is a programme to encourage women to pursue science. [Option ID = 183484]
- It is programme to install a "Vigyan Jyoti" in every Scientific institution in India to inspire scientists. [Option ID = 183485]
- It is an award given to an Indian for making seminal contribution in Science [Option ID = 183486]

17) Match List I with List II

List I	List II
Indian Scientific Agencies	Year of Establishment
A. Department of Science and Technology	I. 1969
B. Department of Biotechnology	II. 1971
C. Indian Space Research Organisation	III. 1954
D. Department of Atomic Energy	IV. 1986

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

[Question ID = 34188][Question Description = Ph.D_SSPH_017]

- A-II, B-IV, C-III, D-I
[Option ID = 183487]
- A-II, B-IV, C-I, D-III
[Option ID = 183488]

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

[Option ID = 183489]

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

[Option ID = 183490]

18) *Nimi Tantra* in Ayurveda was related to

[Question ID = 34189][Question Description = Ph.D_SSPH_018]

1. Internal Medicine [Option ID = 183491]

2. Ophthalmology [Option ID = 183492]

3. Sleep Disorder [Option ID = 183493]

4. Epilepsy [Option ID = 183494]

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

Assertion A: 'Sampling Frame' is a source of list from which a representative sample is drawn.

Reason R: 'Sampling frame' is a representative of the universe of study.

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

[Question ID = 34190][Question Description = Ph.D_SSPH_019]

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

[Option ID = 183495]

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

[Option ID = 183496]

3. A is correct but R is not correct

[Option ID = 183497]

4. A is not correct but R is correct

[Option ID = 183498]

20) Which of the following statements are true for National Education Policy 2020 ?

A. The National Education Policy 2020 envisages four years undergraduate programme with multiple exit options.

B. The National Education Policy 2020 abolishes M.Phil programme.

C. The National Education Policy 2020 suggests for establishment of National Research Foundation.

D. The National Education Policy 2020 suggests for opening discipline specific colleges and Universities.

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

[Question ID = 34191][Question Description = Ph.D_SSPH_020]

1. A, B and D only

[Option ID = 183499]

2. A,B and C only

[Option ID = 183500]

3. C and D only

[Option ID = 183501]

4. B,C and D only

[Option ID = 183502]

21) Concepts in List I with Scholars in List II

List I (Concepts)	List II (Scholars)
A. Innovation System	I. Karl Marx
B. Reserve Army of Labour	II. Joseph Schumpeter
C. Creative Destruction	III. Adam Smith
D. Division of Labour	IV. Chris Freeman

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

[Question ID = 34192][Question Description = Ph.D_SSPH_021]

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

[Option ID = 183503]

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

[Option ID = 183504]

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

[Option ID = 183505]

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

[Option ID = 183506]

22) Match Technologies in List I with Inventors in List II

List I (Technologies)	List II (Inventors)
A. Block Chain	I. Peter Henlein
B. 3-D Printers	II. Karl von Drais
C. Bicycles	III. Charles W Hull
D. Watch	IV. Satoshi Nakamoto

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

[Question ID = 34193][Question Description = Ph.D_SSPH_022]

1. A - I, B - II, C - III, D - IV [Option ID = 183507]
2. A - IV, B - III, C - II, D - I [Option ID = 183508]
3. A - IV, B - III, C - I, D - II [Option ID = 183509]
4. A - IV, B - II, C - III, D - I [Option ID = 183510]

23) Given below are two statements:

Statement I: The concept of paradigm was developed by Thomas Kuhn.

Statement II: The concept of "Reserch Program" was developed by Imre hakatos.

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

[Question ID = 34194][Question Description = Ph.D_SSPH_023]

1. Both statement I and Statement II are true
[Option ID = 183511]
2. Both statement I and Statement II are false
[Option ID = 183512]
3. Satement I is true but Statement II is false
[Option ID = 183513]
4. statement I is false but Statement II is false.
[Option ID = 183514]

24) What is heuristic?

- A. A heuristic is a short cut to arrive at a good enough decision.
B. A heuristic is a short cut to arrive at the optimal decision.
C. A heuristic is a strategy derived from previous experiences.
D. A heuristic is a strategy derived from trial and error.

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

[Question ID = 34195][Question Description = Ph.D_SSPH_024]

1. A, B and D only
[Option ID = 183515]
2. A, C and D only
[Option ID = 183516]
3. B only
[Option ID = 183517]
4. D only
[Option ID = 183518]

25) Risk refers to decision-making situations under which all potential outcomes and their likelihoodof occurences are known to the decision maker. Uncertainty, on the other hand, refers tosituations under which the outcomes and/or their probabilities of occurences are unknown to thedecision maker.

If this is true then which of the followiung does'nt involve(s) uncertainty?

A. Predicting the outcome of tossing a coin.

B. Predicting the outcome of rolling a dice.

C. Predicting the rainfall.

D. Predicting the share prices.

Choose the correct answer from the options given below:

[Question ID = 34196][Question Description = Ph.D_SSPH_025]

1. A,C and only

[Option ID = 183519]

2. A and B only

[Option ID = 183520]

3. C and D only

[Option ID = 183521]

4. A,B,C and D only

[Option ID = 183522]

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

Assertion A: Utility maximization is not falsifiable.

Reason R: Utility is unobservable

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

[Question ID = 34197][Question Description = Ph.D_SSPH_026]

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

[Option ID = 183523]

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

[Option ID = 183524]

3. A is correct but R is not correct

[Option ID = 183525]

4. A is not correct but R is correct

[Option ID = 183526]

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

Assertion A: Vicarious learning makes one vulnerable to commit the mistakes others have committed.

Reason R: Vicarious learning allows people to learn from others by observing their behaviour and experience.

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

[Question ID = 34198][Question Description = Ph.D_SSPH_027]

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

[Option ID = 183527]

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

[Option ID = 183528]

3. A is correct but R is not correct

[Option ID = 183529]

4. A is not correct but R is correct

[Option ID = 183530]

28) The term survival of the fittest' was first used by

[Question ID = 34199][Question Description = Ph.D_SSPH_028]

1. Charles Darwin

[Option ID = 183531]

2. Herbert Spencer

[Option ID = 183532]

3. Adam Smith

[Option ID = 183533]

4. Trofim Lysenko

[Option ID = 183534]

29) Which virus base is most commonly used to prepare the vaccine Covishield?[Question ID = 34200][Question Description

= Ph.D_SSPH_029]

1. Corona Virus [Option ID = 183535]
2. Adenovirus [Option ID = 183536]
3. Plasmodium Vivax [Option ID = 183537]
4. None of the above [Option ID = 183538]

30) The theories of endogenous growth have been propounded by:[Question ID = 34201][Question Description = Ph.D_SSPH_030]

1. Robert Solow [Option ID = 183539]
2. John Hicks [Option ID = 183540]
3. Paul Romer [Option ID = 183541]
4. Kenneth Arrow [Option ID = 183542]

31) If from five to six in the evening, one in every five telephone lines is busy in a conversation, what is the probability that when 10 telephone numbers are chosen at random, only 2 would be in use?

[Question ID = 34202][Question Description = Ph.D_SSPH_031]

1. 0.2570
[Option ID = 183543]
2. 0.3020
[Option ID = 183544]
3. 0.3029
[Option ID = 183545]
4. 0.2
[Option ID = 183546]

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

Assertion A: Patents in general are important to protect innovations.

Reason R: Patenting leads to disclosure of innovation.

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

[Question ID = 34203][Question Description = Ph.D_SSPH_032]

1. Both A and R are correct and R is the correct explanation of A
[Option ID = 183547]
2. Both A and R are correct but R is NOT the correct explanation of A
[Option ID = 183548]
3. A is correct but R is not correct
[Option ID = 183549]
4. A is not correct but R is correct
[Option ID = 183550]

33) In probability theory, $f(x) = 1/(B - A)$ for $A \leq x \leq B$ denotes the probability density function of

[Question ID = 34204][Question Description = Ph.D_SSPH_033]

1. Standard Normal Distribution.
[Option ID = 183551]
2. Standard Uniform Distribution.
[Option ID = 183552]
3. Uniform Distribution.
[Option ID = 183553]
4. None of the above
[Option ID = 183554]

34) If the following statement is true:

Responsible Science is a provocative examination of the role of educational efforts, research

guidelines, and the contributions of individual scientists, mentors and institutional officials in

encouraging responsible research practices. Then which of the following would make research responsible?

A. Anticipation of Impact

B. Adaptive Research

C. Open Research

D. None of the above

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

[Question ID = 27473][Question Description = Ph.D_SSPH_034]

1. A and B only

[Option ID = 183555]

2. B only

[Option ID = 183556]

3. D only

[Option ID = 183557]

4. A, B and C only

[Option ID = 183558]

35) Two stage least square estimation is used when:

A. There are endogeneity issues in a regression equation system, and the system is exactly identified.

B. There are endogeneity issues in a regression equation system, and the system is over identified.

C. There are endogeneity issues in a regression equation system and the system under identified.

D. There is no endogeneity issues.

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

[Question ID = 27474][Question Description = Ph.D_SSPH_035]

1. A only [Option ID = 183559]

2. A and B only [Option ID = 183560]

3. D only [Option ID = 183561]

4. A and D only [Option ID = 183562]

36) Match List I with List II

List I	List II
Book	Author
A. Theory of Moral Sentiment	I. Thorstein Veblen
B. Theory of Everything	II. Adam Smith
C. Theory of the Leisure Class	III. Joseph Schumpeter
D. Theory of Economic Development	IV. Stephen Hawking

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

[Question ID = 27475][Question Description = Ph.D_SSPH_036]

1. A - I, B - II, C - III, D - IV [Option ID = 183563]

2. A - II, B - I, C - IV, D - III [Option ID = 183564]

3. A - IV, B - I, C - II, D - III [Option ID = 183565]

4. A - II, B - IV, C - I, D - III [Option ID = 183566]

37) In Statistics, a symmetric distribution necessarily-

[Question ID = 27476][Question Description = Ph.D_SSPH_037]

1. is unimodal

[Option ID = 183567]

2. is bimodal

[Option ID = 183568]

3. has a single mean

[Option ID = 183569]

4. None of the above

[Option ID = 183570]

38) For a bimodal symmetric distribution

A. Mean, median and mode will coincide.

B. Mean and median will coincide and will be on the left of both modes.

C. Mean and median will coincide and lie between the two modes.

D. Mean, median and mode will be in different places, but mean and median both will lie between the two modes.

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

[Question ID = 27477][Question Description = Ph.D_SSPH_038]

1. A only [Option ID = 183571]
2. B only [Option ID = 183572]
3. C only [Option ID = 183573]
4. D only [Option ID = 183574]

39) When we want to pay more for a house to be able to enjoy sunrise every day, we are driven by the logic of:

- A. Cost-pricing
- B. Mark-up pricing
- C. Hedonic pricing
- D. Contingent pricing

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

[Question ID = 27478][Question Description = Ph.D_SSPH_039]

1. A, B and D only [Option ID = 183575]
2. B only [Option ID = 183576]
3. C only [Option ID = 183577]
4. D only [Option ID = 183578]

40) Bayes Theorem can be used for calculating the probability of

- A. A person developing liver disease given that he is alcoholic
- B. A person being alcoholic given that he has liver disease
- C. Getting an even number in one of the two dice thrown at the same time, given that the other dice has returned an even number
- D. A person dying in Covid when there is no oxygen support available to him.

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

[Question ID = 27479][Question Description = Ph.D_SSPH_040]

1. A, C and D only
[Option ID = 183579]
2. B only
[Option ID = 183580]
3. C only
[Option ID = 183581]
4. D only
[Option ID = 183582]

41) Which of the following is/are correct statement(s) about National Data Sharing and Accessibility Policy (NDSAP) ?

- A. The policy is expected to increase the accessibility and easier sharing of non-sensitive data amongst the registered users.
- B. The Policy been published in March 2013.
- C. Department of Science & Technology (DST) would be the Nodal Department for all matters connected with overall co-ordination, formulation, implementation and monitoring of the policy.
- D. The policy applies to data and information created, generated , collected and archived using public funds provided by Govt of India.
- E. The policy does not include in its scope to data and information created, generated, collected and archived using public funds provided by State Governments.

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

[Question ID = 27480][Question Description = Ph.D_SSPH_041]

1. A, B, C and D only
[Option ID = 183583]
2. A, B, D and E only
[Option ID = 183584]
3. A, C and D only
[Option ID = 183585]
4. A, B, C, D and E

[Option ID = 183586]

42) Read and find out if following statements are correct conclusions and interpretations about Science, Technology and Innovation policy 2013.

- A. The innovation became key focal point for science and technology driven development.
- B. The paradigm shift happened towards Science, Technology and Innovation for the people.
- C. The paradigm shift happened towards Science, Technology and Innovation not for the people but for privatization.
- D. The gender parity as a important goal had to be achieved through flexible schemes for more women in Scientific positions and in areas of research and development.
- E. The Technology Business Incubators and science-led entrepreneurship were important means to increase the private sector investment in research and development.

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

[Question ID = 27481][Question Description = Ph.D_SSPH_042]

1. A, B and D only

[Option ID = 183587]

2. A, B, C and E only

[Option ID = 183588]

3. A, B, C, D and E

[Option ID = 183589]

4. A, B, D and E only

[Option ID = 183590]

43) The Science and Technology system in India consists of:

- A. Central Govt S&T Department
- B. Independent Research Institutes
- C. In-House R&D in Private Industry
- D. Central Socio-Economic & other Ministries
- E. S&T departments of the State Governments

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

[Question ID = 27482][Question Description = Ph.D_SSPH_043]

1. A, B, C and D only

[Option ID = 183591]

2. A,B,C,D and E

[Option ID = 183592]

3. B, C, D and E only

[Option ID = 183593]

4. A, C, D and E only

[Option ID = 183594]

44) Following are the part of Central Government S&T Departments.

- A. Department of Science and Technology
- B. Department of Atomic energy
- C. Department of Space
- D. Department of Biotechnology
- E. Ministry of Earth Science

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

[Question ID = 27483][Question Description = Ph.D_SSPH_044]

1. A, B, C and D only [Option ID = 183595]

2. A, C, D and E only [Option ID = 183596]

3. B, C, D and E only [Option ID = 183597]

4. A, B, C, D and E [Option ID = 183598]

45) To study the impacts of new emerging technology such as Civilian Drone applications in Agriculture, which sampling methods can give best quality data?

[Question ID = 27484][Question Description = Ph.D_SSPH_045]

1. Random Sampling

[Option ID = 183599]

2. Stratified Sampling

[Option ID = 183600]

3. Probability Sampling

[Option ID = 183601]

4. Snowball Sampling

[Option ID = 183602]

46) Random sampling doesn't indicate to

[Question ID = 27485][Question Description = Ph.D_SSPH_046]

1. Low cost method for study of large size population

[Option ID = 183603]

2. No personal biases

[Option ID = 183604]

3. A reasonable accuracy

[Option ID = 183605]

4. Helpful in picking up samples through reference given by another respondent

[Option ID = 183606]

47) A researcher wants to study the prospects of a Solar Energy in a city. So, what research tool should he prefer for such a study ? [Question ID = 27486][Question Description = Ph.D_SSPH_047]

1. Interview schedule [Option ID = 183607]

2. Survey questionnaire [Option ID = 183608]

3. Rating scale [Option ID = 183609]

4. Census survey questionnaire [Option ID = 183610]

48) Which is NOT part of probability sampling?[Question ID = 27487][Question Description = Ph.D_SSPH_048]

1. Systematic Sampling [Option ID = 183611]

2. Random Sampling [Option ID = 183612]

3. Stratified Random Sampling [Option ID = 183613]

4. Quota Sampling [Option ID = 183614]

49) Which of the following provisions are correct as per the *Farmers' Produce Trade and Commerce (Promotion and Facilitation) Act 2020*?

A. Non farmer trader shall not trade without permanent account number allotted under the Income-tax Act, 1961.

B. No market fee or cess or levy shall be levied under any State APMC Act on any farmer or trader for trade and commerce in scheduled farmers' produce in a trade area.

C. In case of any dispute arising out of a transaction between the farmer and a trader under section 4, the decision of Sub-Divisional Magistrate appointed Conciliation Board shall be binding settlement.

D. Order of the Sub-Divisional Authority can be challenged in High Court and Supreme Court.

E. At district level the Collector or Additional Collector nominated by the Collector can be authority to resolve the disput.

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

[Question ID = 27488][Question Description = Ph.D_SSPH_049]

1. A, B, C and D only

[Option ID = 183615]

2. A, B, C, and E only

[Option ID = 183616]

3. A, C, D and E only

[Option ID = 183617]

4. B, C, D and E only

[Option ID = 183618]

50) As per Science, Technology and Innovation Policy 2013, what was India's share of global trade in high technology products at that time?

[Question ID = 27489][Question Description = Ph.D_SSPH_050]

1. Around 3%

[Option ID = 183619]

2. Around 15%

[Option ID = 183620]

3. Around 8%

[Option ID = 183621]

4. Around 9%

51) Match List I with List II

List I	List II
Name of Vaccine	Producer
A. Covaxin	I. AstraZeneca
B. Tozinameran	II. Serum Institute of India
C. Covishield	III. Bharat Biotech
D. Vaxzevria	IV. Pfizer

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

[Question ID = 27490][Question Description = Ph.D_SSPH_051]

1. A -III , B -IV , C -II , D -I [Option ID = 183623]
2. A -III , B -I , C -II , D -IV [Option ID = 183624]
3. A -III , B -IV , C -I , D - II [Option ID = 183625]
4. A -II , B - III, C - IV, D -I [Option ID = 183626]

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

Assertion A : mRNA COVID-19 Vaccines do not use the dead virus or its portion to trigger a immune response in human body.

Reason R : mRNA vaccines teach our cells how to make a protein that will trigger an immune response without using the live virus that causes COVID-19.

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

[Question ID = 27491][Question Description = Ph.D_SSPH_052]

1. Both A and R are true and R is the correct explanation of A
[Option ID = 183627]
2. Both A and R are true but R is NOT the correct explanation of A
[Option ID = 183628]
3. A is true but R is false
[Option ID = 183629]
4. A is false but R is true
[Option ID = 183630]

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

Assertion A : The production of Cereals (wheat and rice) has increased in India between year 1965 to 1985. This trend continued in later years and made India self sufficient in food grain.

Reason R : India adopted high yielding varieties of seeds and use of chemical fertilizers for production of cereals. This led to green revolution india.

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

[Question ID = 27676][Question Description = Ph.D_SSPH_053]

1. Both A and R are true and R is the correct explanation of A
[Option ID = 183631]
2. Both A and R are true but R is NOT the correct explanation of A
[Option ID = 183632]
3. A is true but R is false
[Option ID = 183633]
4. A is false but R is true
[Option ID = 183634]

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

Assertion A: India had become largest milk producer in the world by year 1998.

Reason R: The Operation Flood was implemented in three phases from to 1970 to 1996. This has provided investment, leadership, technology and cooperative movement to Indian dairy sector.

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

[Question ID = 27677][Question Description = Ph.D_SSPH_054]

1. Both A and R are correct and R is NOT the correct explanation of A
[Option ID = 183635]
2. Both A and R are correct but R is the correct explanation of A

[Option ID = 183636]

3. A is correct but R is not correct

[Option ID = 183637]

4. A is not correct but R is correct

[Option ID = 183638]

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

Assertion A : India has become one of the five leaders in Space Technology and it has launched cheapest Mars Mission in the world.

Reason R : INCOSPAR was set up under the leadership of scientist Vikram Sarabhai by recognizing the need of space research under the Department of Atomic Energy (DAE). It later became ISRO and intensive funding led to building up robust space capabilities.

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

[Question ID = 27678][Question Description = Ph.D_SSPH_055]

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

[Option ID = 183639]

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

[Option ID = 183640]

3. A is true but R is false

[Option ID = 183641]

4. A is false but R is true

[Option ID = 183642]

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

Assertion A : India is able to provide access to food, banking, education, and faster public services to its citizens during the COVID-19 lockdowns from 2020 to 2021.

Reason R : AADHAR, Bank accounts for all, low cost internet and telecom network, Direct Benefits Transfer and linking services delivery through robust IT infrastructure has provided capabilities and capacities to respective Government departments in India.

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

[Question ID = 27679][Question Description = Ph.D_SSPH_056]

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

[Option ID = 183643]

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

[Option ID = 183644]

3. A is true but R is false

[Option ID = 183645]

4. A is false but R is true

[Option ID = 183646]

57) Which is correct about "Operation Greens"?

A. It was announced on the line of "Operation Flood" in year 2018-19.

B. It has an outlay of Rs.500 crore.

C. It is to promote Farmer Producers Organizations, agri-logistics, processing facilities and professional management.

D. It is for integrated development of Tomato, Onion, Orange, Lemon, Wheat and Potato (TOP) value chain.

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

[Question ID = 27680][Question Description = Ph.D_SSPH_057]

1. A, B and D only

[Option ID = 183647]

2. B, C and D only

[Option ID = 183648]

3. A, B, and C only

[Option ID = 183649]

4. A, B, C, and D

[Option ID = 183650]

58) Match List I with List II

List I	List II
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Yojana	Objectives
A. PM Garib Kalyan Ann Yojana	I.To enable migrant workers and their family members to access PDS benefits from any fair price shop in the country
B. One Nation One Ration Card Scheme	II. To ensure food and nutritional security to around 80 crores ration card holders who were affected due to the COVID-19 induced national lockdown.
C. Pradhan Mantri Matsya Sampada Yojana	III.Technical upgradation to attain FSSAI food standards, build brands and support marketing.
D. Formalisation of Micro Food Enterprises (MFE)	IV. It aims at integrated,sustainable and inclusive development of marine and developing infrastructure such as cold chain, markets, etc

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

[Question ID = 27681][Question Description = Ph.D_SSPH_058]

1. A -I , B -II , C -III , D -IV [Option ID = 183651]
2. A -II , B -I , C -IV , D -III [Option ID = 183652]
3. A -II , B -IV , C -I , D - III [Option ID = 183653]
4. A -IV , B -I , C -II , D -III [Option ID = 183654]

59) Participant observation method provides important insights, data and information to Science Policy researcher due to its following features:

- A. Researcher joins in and becomes part of the group in industry and laboratory they are studying to get a deeper insight into their lives.
- B. The researcher's real identity and purpose do not need to be kept concealed from the group being studied.
- C. Researcher can witness journey of the innovation and invention.
- D. Researcher get access to deeper facts about the socio-technical aspects of the innovation process.

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

[Question ID = 27682][Question Description = Ph.D_SSPH_059]

1. A, B and D only
[Option ID = 183655]
2. A, C and D only
[Option ID = 183656]
3. A, B, C, and D
[Option ID = 183657]
4. B, C and D only
[Option ID = 183658]

60) Limitations of case studies are:

- A. Lacking scientific rigour and providing little basis for generalization of results to the wider population.
- B. Difficult to replicate.
- C. Time-consuming and expensive.
- D. Researchers' own subjective feeling may influence results and analysis.
- E. It establishes conclusions with high level of objectivity.

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

[Question ID = 27683][Question Description = Ph.D_SSPH_060]

1. A, B, C and D only
[Option ID = 183659]
2. A, B, D, and E only
[Option ID = 183660]
3. B, C, D, and E only
[Option ID = 183661]
4. A, C, D and E only
[Option ID = 183662]

61) What does an IP right entitle a person? [Question ID = 27684][Question Description = Ph.D_SSPH_061]

1. Right to file a suit in case of an infringement [Option ID = 183663]
2. Right to exclude others [Option ID = 183664]
3. Right to Donate/gift [Option ID = 183665]
4. All of the above [Option ID = 183666]

62) The patent can be granted for?[Question ID = 27685][Question Description = Ph.D_SSPH_062]

1. Process [Option ID = 183667]
2. Both product and Process [Option ID = 183668]
3. Idea [Option ID = 183669]
4. Product [Option ID = 183670]

63) Given below are two statements

Statement I: Infringement means Violation of Right

Statement II: A chimpanzee clicking a picture on a camera is an intellectual effort

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

[Question ID = 27686][Question Description = Ph.D_SSPH_063]

1. Both Statement I and Statement II are true
[Option ID = 183671]
2. Both Statement I and Statement II are false
[Option ID = 183672]
3. Statement I is true but Statement II is false
[Option ID = 183673]
4. Statement I is false but Statement II is true
[Option ID = 183674]

64) Property Right is.....

A. A legal entitlement

B. Recognized by law

C. Can be protected by law

D. Remedy in case of violation of the right

Choose the correct answer from the options given below:

[Question ID = 27687][Question Description = Ph.D_SSPH_064]

1. A, B and D only
[Option ID = 183675]
2. C only
[Option ID = 183676]
3. D only
[Option ID = 183677]
4. A, B, C and D
[Option ID = 183678]

65) If a cricketer wants to start a company for selling his own range of clothes, what type of intellectual property protection would you suggest him to use to indicate that the clothes are made by his company? [Question ID = 27688]

[Question Description = Ph.D_SSPH_065]

1. Patent [Option ID = 183679]
2. Copyright [Option ID = 183680]
3. Trade Mark [Option ID = 183681]
4. Trade Secret [Option ID = 183682]

66) Can lecture delivered in the classroom be copyrighted?[Question ID = 27689][Question Description = Ph.D_SSPH_066]

1. Yes [Option ID = 183683]
2. No [Option ID = 183684]
3. Ocationally [Option ID = 183685]
4. Occasionally with conditions [Option ID = 183686]

67) The Legal Basis for TRIPS waiver is

A. The COVID-19 is a Global Pandemic

B. Patent Act

C. Flexiblities Provided by WTO for member countries under TRIPS

D. Doha Declaration on Public Health

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

[Question ID = 27690][Question Description = Ph.D_SSPH_067]

1. A only
[Option ID = 183687]
2. C only

[Option ID = 183688]

3. D only

[Option ID = 183689]

4. C and D only

[Option ID = 183690]

68) Why would a hacker use a proxy server?[Question ID = 27691][Question Description = Ph.D_SSPH_068]

1. To create a stronger connection with the target. [Option ID = 183691]

2. To create a ghost server on the network. [Option ID = 183692]

3. To obtain a remote access connection. [Option ID = 183693]

4. To hide malicious activity on the network. [Option ID = 183694]

69) Individuals provide their personal information to the Internet service provider, to obtain free services available on the internet. What kind of social engineering is this?

[Question ID = 27692][Question Description = Ph.D_SSPH_069]

1. Web-based

[Option ID = 183695]

2. Human-Based

[Option ID = 183696]

3. User-Based

[Option ID = 183697]

4. Computer-Based

[Option ID = 183698]

70) Right to property according to the Constitution of India is a -[Question ID = 27693][Question Description = Ph.D_SSPH_070]

1. Fundamental Right [Option ID = 183699]

2. Directive Principle [Option ID = 183700]

3. Legal Right [Option ID = 183701]

4. Social Right [Option ID = 183702]

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

Assertion A: Formulation of hypothesis is based on assumptions.

Reason R: Hypothesis cannot be tested based on objectives of the study

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

[Question ID = 27694][Question Description = Ph.D_SSPH_071]

1. Both A and R are true

[Option ID = 183703]

2. Both A and R are false

[Option ID = 183704]

3. A is true but R is false

[Option ID = 183705]

4. A is false but R is true

[Option ID = 183706]

72) Newton gave three basic laws of motion. This research is categorized as

[Question ID = 27492][Question Description = Ph.D_SSPH_072]

1. Descriptive Research

[Option ID = 183707]

2. Sample Survey

[Option ID = 183708]

3. Fundamental Research

[Option ID = 183709]

4. Applied Research

[Option ID = 183710]

73) The research that aims at immediate application is

[Question ID = 27493][Question Description = Ph.D_SSPH_073]

1. Action Research

[Option ID = 183711]

2. Empirical Research

[Option ID = 183712]

3. Conceptual Research
[Option ID = 183713]
4. Fundamental Research
[Option ID = 183714]

74) What is the name of the conceptual framework in which the research is carried out?

[Question ID = 27494][Question Description = Ph.D_SSPH_074]

1. Research Hypothesis
[Option ID = 183715]
2. Synopsis Research
[Option ID = 183716]
3. Research Paradigm
[Option ID = 183717]
4. Research Design
[Option ID = 183718]

75) In order to pursue the research, which of the following is the first step?

[Question ID = 27495][Question Description = Ph.D_SSPH_075]

1. Developing a research Design
[Option ID = 183719]
2. Formulating a Research question
[Option ID = 183720]
3. Deciding about the data analysis procedure
[Option ID = 183721]
4. Formulating a research Hypothesis
[Option ID = 183722]

76) Research and Development (R&D) become the index of development of the country. Which of the following reasons are true with regards to this statement?

[Question ID = 27496][Question Description = Ph.D_SSPH_076]

1. R & D targets human development
[Option ID = 183723]
2. R & D can enhance people's standard of living in the country
[Option ID = 183724]
3. R & D reflects the actual economic and social conditions being prevailed in the country
[Option ID = 183725]
4. All of the above
[Option ID = 183726]

77) Which of the following is not an objective of a questionnaire?

[Question ID = 27497][Question Description = Ph.D_SSPH_077]

1. A questionnaire must translate the information needed into a set of specific questions that the respondents can and will answer.
[Option ID = 183727]
2. A questionnaire must be easy to use.
[Option ID = 183728]
3. A questionnaire must uplift, motivate, and encourage the respondent to become involved in the interview, to cooperate, and to the complete the interview.
[Option ID = 183729]
4. A questionnaire should minimize response errors.
[Option ID = 183730]

78) The "Sociogram" technique is used to study_____

[Question ID = 27498][Question Description = Ph.D_SSPH_078]

1. Vocational interest
[Option ID = 183731]
2. Human relation
[Option ID = 183732]
3. Professional competence
[Option ID = 183733]
4. Achievement motivation
[Option ID = 183734]

79) What is the main aim of interdisciplinary research?[Question ID = 27499][Question Description = Ph.D_SSPH_079]

- 1. To over simplify the problem of research [Option ID = 183735]
- 2. To bring out the holistic approach to research [Option ID = 183736]
- 3. To create a new trend in research methodology [Option ID = 183737]
- 4. To reduce the emphasis on a single subject in the research domain [Option ID = 183738]

80) Formulation of hypothesis is necessary in

[Question ID = 27500][Question Description = Ph.D_SSPH_080]

- 1. Fact-Finding Studies
[Option ID = 183739]
- 2. Survey Studies
[Option ID = 183740]
- 3. Experimental Studies
[Option ID = 183741]
- 4. Exploraty Studies
[Option ID = 183742]

81) Match List I with List II

List I	List II
(Theory)	(Characteristic)
A. Skepticism	I. A phrase invented to try to capture the widespread observation that people sometimes hold ideas so strongly they refuse to acknowledge evidence that contradicts them.
B. Sticky theory	II. Theory of knowledge, especially about its validation and the methods used. It deals with how we know things and what we can regard as acceptable knowledge in a discipline.
C. Idealism	III. Willingness to recognize uncertainty about or question a result or activity.
D. Epistemology	IV. Reality is all in the mind, that everything that exists is in some way dependent on the activity of the mind.

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

[Question ID = 27501][Question Description = Ph.D_SSPH_081]

- 1. A-II, B-III, C-IV, D-I
[Option ID = 183743]
- 2. A-III, B-I, C-IV, D-II
[Option ID = 183744]
- 3. A-III, B-II, C-IV, D-I
[Option ID = 183745]
- 4. A-I, B-IV, C-III, D-II
[Option ID = 183746]

82) Which of the following is NOT part of ethical principles from Nuremberg Code:[Question ID = 27502][Question Description = Ph.D_SSPH_082]

- 1. Research participants must voluntarily consent to research participation [Option ID = 183747]
- 2. Research must be based on sound theory and prior animal testing [Option ID = 183748]
- 3. Research must avoid unnecessary physical and mental suffering [Option ID = 183749]
- 4. Research projects can go forward where serious injury and/or death are potential outcomes [Option ID = 183750]

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

Assertion A: Belinda is publishing her first article that builds on the research of a similar project she did three years prior with her colleague, Isaiah. In Belinda’s current article she has placed a graph from the article she and Isaiah co-authored about their previous research. Isaiah created the original graph. Belinda has to site the previous article.

Reason R: The data and results depicted in the graph are not new and have been previously published.

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

[Question ID = 27503][Question Description = Ph.D_SSPH_083]

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

[Option ID = 183751]

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

[Option ID = 183752]

3. A is correct but R is not correct

[Option ID = 183753]

4. A is not correct but R is correct

[Option ID = 183754]

84) Given below are two statements

Statement I: Conceptual hypothesis is a prediction about relationships involving the theoretical constructs, and therefore guides the purpose of a research study. It may be viewed as a prediction about what should happen in a research study.

Statement II: Research hypothesis is a testable directional prediction about specific relationships in a study.

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

[Question ID = 34451][Question Description = Ph.D_SSPH_084]

1. Both Statement I and Statement II are correct [Option ID = 183815]
2. Both Statement I and Statement II are incorrect [Option ID = 183816]
3. Statement I is correct but Statement II is incorrect [Option ID = 183817]
4. Statement I is incorrect but Statement II is correct [Option ID = 183818]

85) Match List I with List II

List I	List II
(Type of Study)	(Definition)
A. Empirical observation	I. A rejected or non-rejected theoretical explanation of the phenomena or phenomenal behavior and some reliability measure
B. Hypotheses generation	II. Observation experiments of the form “if principle P is true, then event E should occur or fact F should be true”
C. Design experiments	III. Invent one or more conjectures or hypotheses to explain the phenomena or phenomenal behavior
D. Empirical testing	IV. Identification of some puzzle about the phenomena or phenomenal behavior to be solved

Choose the correct answer from the options given below:

[Question ID = 34452][Question Description = Ph.D_SSPH_085]

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

[Option ID = 183819]

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

[Option ID = 183820]

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

[Option ID = 183821]

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

[Option ID = 183822]

86) At what stage of a research, the following steps are undertaken:

Statement of the problem in a general way > Understanding the nature of the problem > Surveying the available literature > Developing the ideas through discussion > Rephrasing

[Question ID = 27504][Question Description = Ph.D_SSPH_086]

1. Sampling

[Option ID = 183755]

2. Drafting statistical analysis protocol

[Option ID = 183756]

3. Defining research problem

[Option ID = 183757]

4. Data collection

[Option ID = 183758]

87) Given below are two statements

Statement I: Positivism is an epistemological position that advocates the application of the methods of the natural sciences to the study of social reality and beyond.

Statement II: Positivism is taken to entail the principle of inductivism: knowledge is arrived at through the gathering of facts that provide the basis of laws.

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

[Question ID = 27505][Question Description = Ph.D_SSPH_087]

1. Both Statement I and Statement II are correct

[Option ID = 183759]

2. Both Statement I and Statement II are incorrect

[Option ID = 183760]

3. Statement I is correct but Statement II is incorrect

[Option ID = 183761]

4. Statement I is incorrect but Statement II is correct

[Option ID = 183762]

88) What are the INCORRECT differences between Questionnaires and Schedules?

A. The questionnaire is generally sent through mail to informants while the schedule is generally filled out by the research worker.

B. Questionnaires is an expensive method of data collection compared to schedules.

C. Non-response is usually high in case of schedules resulting in bias due to non-response.

D. The questionnaire method is likely to be very slow but in case of schedules the information is collected well in time.

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

[Question ID = 27506][Question Description = Ph.D_SSPH_088]

1. A, B only

[Option ID = 183763]

2. A, B, C and D

[Option ID = 183764]

3. B, C only

[Option ID = 183765]

4. A, D only

[Option ID = 183766]

89) What is the merit of Mode?

[Question ID = 27507][Question Description = Ph.D_SSPH_089]

1. Mode is not affected by extreme values [Option ID = 183767]

2. Mode is not based on all the observations [Option ID = 183768]

3. Mode is not capable of further mathematical treatment [Option ID = 183769]

4. Mode cannot be located if the frequency distribution has class-intervals of unequal magnitude [Option ID = 183770]

90) Match List I with List II:

List I	List II
Characteristic of Sample	Type of Distribution
A. Female beauty contestants' scores on a masculinity test, with a higher score indicating a greater degree of masculinity	I. Bimodal
B. Scores on a standardized IQ test for a group of people selected from the general population	II. Positively skewed
C. Reading achievement scores for a third-grade class consisting of about equal numbers of regular students and learning-challenged students	III. Negatively skewed
D. In cricket, some players made the score lower than the average, some get out on zero, some players score runs which are very low, and only one	IV. Normal

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

[Question ID = 27508][Question Description = Ph.D_SSPH_090]

1. A-II, B-IV, C-I, D-III [Option ID = 183771]
2. A-III, B-I, C-II, D-IV [Option ID = 183772]
3. A-IV, B-III, C-II, D-I [Option ID = 183773]
4. A-I, B-II, C-III, D-IV [Option ID = 183774]

91) Which of the following is NOT the plagiarized form of the text below:

But Hertzog recognized the danger and stood up for the rights of the Afrikaner. Only the National Party offered a Christian solution to South Africa's racial problems. The politics of the nationalists, were in the view of Het Westen, unquestionably Christian. The Afrikaner People were a Christian people, therefore their politics must of necessity be Christian. (Source: Irving Hexham, The Irony of Apartheid, Lewiston: Edwin Mellen, 1981, p. 185).

[Question ID = 27509][Question Description = Ph.D_SSPH_091]

1. But General Hertzog recognized the danger and fought for the rights of the Afrikaner. Only the National Party offered a Christian solution to South Africa's racial problems. The politics of the Nationalists, were in the view of the newspaper Het Westen, thoroughly Christian. The Afrikaner People were in a Christian People, therefore their politics must of necessity be Christian.

[Option ID = 183775]

2. Hexham writes "But General Hertzog recognized the danger and stood up for the rights of the Afrikaner. Only the National Party offered a Christian solution to South Africa's racial problems. The politics of the nationalists, were in the view of Het Westen, unquestionably Christian. The Afrikaner People were in a Christian People, therefor their politics must of necessity be Christian."¹

1. Irving Hexham, the Irony of Apartheid (Lewiston: Edwin Mellen, 1981), p.185

[Option ID = 183776]

3. Professor Hexham brilliantly observes that Hertzog recognized the danger and stood up for the rights of the Afrikaner. Only the National Party offered a Christian solution to South Africa's racial problems. The politics of the nationalists, were in the view of Het Westen, unquestionably Christian. The Afrikaner People were in a Christian People, therefore their politics must of necessity be Christian.

[Option ID = 183777]

4. In his insightful book The Irony of Apartheid Dr. Hexham observes that Dr. Hertzog recognized the danger and stood up against the British for the rights of the Afrikaner. Only the Nationale Partie offered a real solution to South Africa's racial problem. The politics of Afrikaner Nationalists, were in the view of Het Westen, entirely Christian. The Afrikaner People were in a Christian People, therefore their politics must of necessity be Christian.¹

1. Irving Hexham, the Irony of Apartheid, Chapter 7

[Option ID = 183778]

92) Which of these activities are designed to ensure protection of human subjects?

- A. Informed consent and confidentiality
- B. Assessment of risks and benefits
- C. Selection of subjects
- D. Operationalization

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

[Question ID = 34442][Question Description = Ph.D_SSPH_092]

1. A, B only [Option ID = 183779]
2. A, C and D onl [Option ID = 183780]
3. A, B, C only [Option ID = 183781]
4. B, C, D only [Option ID = 183782]

93) From the list below, which are NOT the goals of National Health Research System?[Question ID = 34443][Question Description = Ph.D_SSPH_093]

1. To generate and communicate knowledge that helps to form the national health plan and guides its implementation, and thus contribute, directly or indirectly, to equitable health development in the country [Option ID = 183783]
2. To adapt and apply knowledge generated elsewhere to national health development [Option ID = 183784]
3. To contribute to the global knowledge base on issues relevant to the country [Option ID = 183785]
4. To develop and manage human resources and infrastructure for health research and ensure that international collaborative research contributes to national health. [Option ID = 183786]

94) Which of the following schemes are focused towards the healthcare sector of India?

- A. Pradhan Mantri Garib Kalyan Package
- B. Pradhan Mantri Jan Arogya Yojana
- C. Ayushman Bharat Yojana
- D. Pradhan Mantri Swasthya Suraksha Yojana
- E. Pradhan Mantri Bhartiya Janaushadhi Pariyojana

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

[Question ID = 34444][Question Description = Ph.D_SSPH_094]

1. B, C, D Only [Option ID = 183787]
2. B, C, D, E Only [Option ID = 183788]
3. A, B, C, D, E Only [Option ID = 183789]
4. B, D, E Only [Option ID = 183790]

95) Currently, how many medicines have been listed in the National List of Essential Medicines, 2015? [Question ID = 34445][Question Description = Ph.D_SSPH_095]

1. 376 [Option ID = 183791]
2. 348 [Option ID = 183792]
3. 106 [Option ID = 183793]
4. 330 [Option ID = 183794]

96) Which is the modality that does not link Industries and academic institutes?[Question ID = 34446][Question Description = Ph.D_SSPH_096]

1. Service/consultancy modality [Option ID = 183795]
2. Education/teaching modality [Option ID = 183796]
3. Research Modality [Option ID = 183797]
4. Formal Modality [Option ID = 183798]

97) _____type of vaccine uses a safe virus to deliver specific sub-parts - called proteins - of the germ of interest so that it can trigger an immune response without causing disease. To do this, the instructions for making particular parts of the pathogen of interest are inserted into a safe virus.[Question ID = 34447][Question Description = Ph.D_SSPH_097]

1. Inactivated vaccine [Option ID = 183799]
2. Live-attenuated vaccine [Option ID = 183800]
3. Viral vector vaccine [Option ID = 183801]
4. Sub-unit approach vaccine [Option ID = 183802]

98) Covaxin, a vaccine against coronavirus, is which type of vaccine?[Question ID = 34448][Question Description = Ph.D_SSPH_098]

1. Inactivated vaccine [Option ID = 183803]
2. Live-attenuated vaccine [Option ID = 183804]
3. Viral vector vaccine [Option ID = 183805]
4. Genetic vaccine [Option ID = 183806]

99) In the evidence-based medicine pyramid, what is the hierarchy order of the following type of studies (lowest-level evidence to highest level evidence)?

- A. Case control studies
- B. Randomised control trials
- C. Case series/Reports
- D. Cohort studies
- E. Systematic Reviews/Meta analysis

Choose the *correct* answer from the options given below

[Question ID = 34449][Question Description = Ph.D_SSPH_099]

1. C > A > D > B > E
[Option ID = 183807]
2. B > C > E > A > D
[Option ID = 183808]
3. E > B > D > A > C
[Option ID = 183809]
4. A > C > E > B > D
[Option ID = 183810]

100) How many targets are there under the Sustainable Development Goals (SDG) 3 “Good Health and Well-being”? [Question ID = 34450][Question Description = Ph.D_SSPH_100]

1. 14 [Option ID = 183811]
2. 16 [Option ID = 183812]
3. 13 [Option ID = 183813]
4. 12 [Option ID = 183814]