

DU MPhil PhD in Geography

Topic:- DU\_J18\_MPHIL\_GEOGR\_Topic01

**1) When was the Survey of India established? [Question ID = 17313]**

1. 1950 [Option ID = 39246]
2. 1767 [Option ID = 39245]
3. 1802 [Option ID = 39243]
4. 1857 [Option ID = 39244]

**Correct Answer :-**

- 1767 [Option ID = 39245]

**2) When does one use Pearson's coefficient of Correlation? [Question ID = 17350]**

1. when the data is abnormally distributed [Option ID = 39394]
2. when the data is normally distributed [Option ID = 39393]
3. when the data is negatively skewed [Option ID = 39392]
4. when the data is positively skewed [Option ID = 39391]

**Correct Answer :-**

- when the data is normally distributed [Option ID = 39393]

**3) Which among the following is not an indicator in the calculation of the Human Development Index (HDI)?**

**[Question ID = 17337]**

1. Adult Literacy Rate [Option ID = 39341]
2. Life expectancy [Option ID = 39340]
3. Population Below Poverty Line [Option ID = 39339]
4. Gross Domestic Product [Option ID = 39342]

**Correct Answer :-**

- Population Below Poverty Line [Option ID = 39339]

**4) Who propounded the concept of Normal Cycle of Erosion? [Question ID = 17329]**

1. Walther Penck [Option ID = 39308]
2. William Morris Davis [Option ID = 39307]
3. Lester Charles King [Option ID = 39309]
4. Andrew Goudie [Option ID = 39310]

**Correct Answer :-**

- William Morris Davis [Option ID = 39307]

**5) With which country does India share the longest international border? [Question ID = 17317]**

1. Bangladesh [Option ID = 39259]
2. Nepal [Option ID = 39261]
3. China [Option ID = 39262]
4. Pakistan [Option ID = 39260]

**Correct Answer :-**

- Bangladesh [Option ID = 39259]

**6) Which among the following is not a division of the National Sample Survey Organization? [Question ID = 17338]**

1. Field Operations Division [Option ID = 39344]
2. Survey Design and Research Division [Option ID = 39343]
3. Data Processing Division [Option ID = 39345]
4. Computer Cartography and Mapping Division [Option ID = 39346]

**Correct Answer :-**

- Computer Cartography and Mapping Division [Option ID = 39346]

**7) Failure to acknowledge the borrowed material used in research is called:**

**[Question ID = 17341]**

1. Index [Option ID = 39358]
2. Plagiarism [Option ID = 39357]
3. Foot note [Option ID = 39356]
4. Acknowledgement [Option ID = 39355]

**Correct Answer :-**

- Plagiarism [Option ID = 39357]

**8) The term 'anthropogeographic' was coined by Ratzel to signify:**

**[Question ID = 17328]**

1. Organic theory of society and state [Option ID = 39305]
2. Geography of man in terms of individuals and races [Option ID = 39303]
3. Study of harmonious reciprocal relation of man and nature [Option ID = 39306]
4. Geography of man and his works in relation to earth's surface [Option ID = 39304]

**Correct Answer :-**

**9) What is a research design? [Question ID = 17342]**

1. The style in which you present your research findings, e.g. a graph [Option ID = 39361]
2. The choice between using qualitative or quantitative methods [Option ID = 39360]
3. A way of conducting research that is not grounded in theory [Option ID = 39359]
4. A framework for every stage of the collection and analysis of data [Option ID = 39362]

**Correct Answer :-**

- A framework for every stage of the collection and analysis of data [Option ID = 39362]

**10) Apart from temperature and precipitation which among the following is an indicator of climate change? [Question ID = 17322]**

1. All of these [Option ID = 39282]
2. Solar activity [Option ID = 39281]
3. Sea level [Option ID = 39279]
4. Biomass [Option ID = 39280]

**Correct Answer :-**

- All of these [Option ID = 39282]

**11) Which among these rivers is not south-flowing? [Question ID = 17316]**

1. Ganga [Option ID = 39256]
2. Damodar [Option ID = 39255]
3. Kosi [Option ID = 39257]
4. Chambal [Option ID = 39258]

**Correct Answer :-**

- Chambal [Option ID = 39258]

**12) Which among the following is not a Geographical Indications Good? [Question ID = 17320]**

1. Chettinad Kottan [Option ID = 39274]
2. Cotton Saree [Option ID = 39272]
3. Darjeeling Tea [Option ID = 39271]
4. Coorg Orange [Option ID = 39273]

**Correct Answer :-**

- Cotton Saree [Option ID = 39272]

**13) A cadastral map is an example of: [Question ID = 17335]**

1. Large scale map [Option ID = 39334]
2. Small scale map [Option ID = 39332]
3. Tiny scale map [Option ID = 39331]
4. Medium scale map [Option ID = 39333]

**Correct Answer :-**

- Large scale map [Option ID = 39334]

**14) Planimeter is an instrument to: [Question ID = 17336]**

1. Measure the length of road/ river on a map [Option ID = 39336]
2. Enlarge/ reduce a map [Option ID = 39335]
3. None of these [Option ID = 39338]
4. Measure an area on a map [Option ID = 39337]

**Correct Answer :-**

- Measure an area on a map [Option ID = 39337]

**15) What is the 'turnitin software' used for? [Question ID = 17344]**

1. to check mathematical calculations [Option ID = 39370]
2. to check consistency of facts [Option ID = 39367]
3. to check grammar and spelling [Option ID = 39368]
4. to check plagiarism [Option ID = 39369]

**Correct Answer :-**

- to check plagiarism [Option ID = 39369]

**16) What is the number of members countries in the United Nations Organisation? [Question ID = 17324]**

1. 203 [Option ID = 39288]
2. 193 [Option ID = 39289]
3. 300 [Option ID = 39290]
4. 191 [Option ID = 39287]

**Correct Answer :-**

- 193 [Option ID = 39289]

**17) What is the scale of the International Map? [Question ID = 17334]**

1. 1:1,000,000 [Option ID = 39330]
2. 1: 100,000 [Option ID = 39328]
3. 1:250,000 [Option ID = 39329]
4. 1: 50,000 [Option ID = 39327]

**Correct Answer :-**

- 1:1,000,000 [Option ID = 39330]

**18) Research is defined as: [Question ID = 17340]**

1. Searching again and again [Option ID = 39351]
2. None of these [Option ID = 39354]
3. Finding solution to any problem [Option ID = 39352]
4. Working in a scientific way to search for truth of any problem [Option ID = 39353]

**Correct Answer :-**

- Working in a scientific way to search for truth of any problem [Option ID = 39353]

**19) Questionnaire is a: [Question ID = 17346]**

1. Research method [Option ID = 39375]
2. Data analysis technique [Option ID = 39378]
3. Measurement technique [Option ID = 39376]
4. Data collection tool [Option ID = 39377]

**Correct Answer :-**

- Data collection tool [Option ID = 39377]

**20) Another name for Likert Scale is a(n): [Question ID = 17343]**

1. Ranking [Option ID = 39366]
2. Event sampling [Option ID = 39365]
3. Interview protocol [Option ID = 39364]
4. Summated rating scale [Option ID = 39363]

**Correct Answer :-**

- Summated rating scale [Option ID = 39363]

**21) Green Muffler is: [Question ID = 17323]**

1. A method of afforestation [Option ID = 39284]
2. Plantation along roadside to reduce pollution [Option ID = 39285]
3. A technology for reducing desertification [Option ID = 39283]
4. A technology for reducing river bank erosion [Option ID = 39286]

**Correct Answer :-**

- Plantation along roadside to reduce pollution [Option ID = 39285]

**22) A sampling which selects population at regular intervals and gives a uniform coverage of the population is known as: [Question ID = 17351]**

1. Stratified sampling [Option ID = 39395]
2. Systematic sampling [Option ID = 39398]
3. Simple random sampling [Option ID = 39396]
4. Aerial random sampling [Option ID = 39397]

**Correct Answer :-**

- Systematic sampling [Option ID = 39398]

**23) Where is the Geological Survey of India located? [Question ID = 17312]**

1. Lucknow [Option ID = 39239]
2. Kolkata [Option ID = 39241]
3. Jaipur [Option ID = 39240]
4. Nagpur [Option ID = 39242]

**Correct Answer :-**

- Kolkata [Option ID = 39241]

**24) The author of the famous quote "Reality is simultaneously a three dimensional space which we must examine from three different points of view" is: [Question ID = 17332]**

1. Hettner [Option ID = 39319]
2. Humboldt [Option ID = 39322]
3. Kant [Option ID = 39320]
4. Hartshorne [Option ID = 39321]

**Correct Answer :-**

- Hettner [Option ID = 39319]

**25) From which place is the journal Transactions, Institute of Indian Geographers published? [Question ID = 17331]**

1. Thane [Option ID = 39316]
2. Mumbai [Option ID = 39315]
3. Nagpur [Option ID = 39317]
4. Pune [Option ID = 39318]

**Correct Answer :-**

- Pune [Option ID = 39318]

**26) What is the line joining places having equal salinity in the ocean is known as: [Question ID = 17321]**

1. Isohel [Option ID = 39275]
2. Isohaline [Option ID = 39277]
3. Isoneph [Option ID = 39278]
4. Isotach [Option ID = 39276]

**Correct Answer :-**

- Isohaline [Option ID = 39277]

**27) What is the radius of the earth in round figure? [Question ID = 17333]**

1. 3500 kilometres [Option ID = 39323]
2. 8000 kilometres [Option ID = 39325]
3. 10,000 kilometres [Option ID = 39326]

4. 4500 kilometres [Option ID = 39324]

**Correct Answer :-**

- 8000 kilometres [Option ID = 39325]

**28) Cross cultural studies are an example of: [Question ID = 17345]**

1. Comparative design [Option ID = 39372]
2. Experimental design [Option ID = 39373]
3. Case study design [Option ID = 39371]
4. Longitudinal design [Option ID = 39374]

**Correct Answer :-**

- Comparative design [Option ID = 39372]

**29) Modern technology that provides instantaneous geographical coordinates of any given place at any time is known as: [Question ID = 17326]**

1. Topographical sheet [Option ID = 39295]
2. Global Positioning System [Option ID = 39296]
3. Infrared Radio Signal [Option ID = 39298]
4. Geological Map [Option ID = 39297]

**Correct Answer :-**

- Global Positioning System [Option ID = 39296]

**30) Which pattern of distribution is represented by the statistic  $R_n = 2.15$ ? [Question ID = 17347]**

1. Clustered [Option ID = 39381]
2. Uniform [Option ID = 39379]
3. None of these [Option ID = 39382]
4. Random [Option ID = 39380]

**Correct Answer :-**

- Uniform [Option ID = 39379]

**31) Which among the following states of India is wettest in terms of rainfall? [Question ID = 17315]**

1. Manipur [Option ID = 39252]
2. Kerala [Option ID = 39253]
3. Maharashtra [Option ID = 39254]
4. Meghalaya [Option ID = 39251]

**Correct Answer :-**

- Meghalaya [Option ID = 39251]

**32) In an electromagnetic spectrum, the wavelength of visible band ranges from: [Question ID = 17325]**

1. 0.6 – 0.9  $\mu\text{m}$  [Option ID = 39293]
2. 0.4 – 0.7  $\mu\text{m}$  [Option ID = 39292]
3. 0.54 – 0.72  $\mu\text{m}$  [Option ID = 39294]
4. 0.5 – 0.7  $\mu\text{m}$  [Option ID = 39291]

**Correct Answer :-**

- 0.4 – 0.7  $\mu\text{m}$  [Option ID = 39292]

**33) To which school of geographic perspective does Yi Fu Tuan belong? [Question ID = 17327]**

1. Spatial [Option ID = 39299]
2. Environmental [Option ID = 39300]
3. Humanistic [Option ID = 39302]
4. Historical [Option ID = 39301]

**Correct Answer :-**

- Humanistic [Option ID = 39302]

**34)**

**Please read the following passage carefully and answer]**

No very satisfactory account of the mechanism that caused the formation of the ocean basins has yet been given. The traditional view supposes that the upper mantle of the earth behaves as a liquid when it is subjected to small forces for long periods and that differences in temperature under oceans and continents are sufficient to produce convection in the mantle of the earth with rising convection currents under the mid-ocean ridges and sinking currents under the continents. Theoretically, this convection would carry the continental plates along as though they were on a conveyor belt and would provide the forces needed to produce the split that occurs along the ridge. This view may be correct: it has the advantage that the currents are driven by temperature differences that themselves depend on the position of the continents. Such a back-coupling, in which the position of the moving plate has an impact on the forces that move it, could produce complicated and varying motions.

On the other hand, the theory is implausible because convection does not normally occur along lines, and it certainly does not occur along lines broken by frequent offsets or changes in direction, as the ridge is. Also it is difficult to see how the theory applies to the plate between the Mid-Atlantic Ridge and the ridge in the Indian Ocean. This plate is growing on both sides, and since there is no intermediate trench, the two ridges must be moving apart. It would be odd if the rising convection currents kept exact pace with them. An alternative theory is that the sinking part of the plate, which is denser than the hotter surrounding mantle, pulls the rest of the plate after it. Again it is difficult to see how this applies to the ridge in the South Atlantic, where neither the African nor the American plate has a sinking part. Another possibility is that the sinking plate cools the neighboring mantle and produces convection currents that move the plates. This last theory is attractive because it gives some hope of explaining the enclosed seas, such as the Sea of Japan. These seas have a typical oceanic floor, except that the floor is overlaid by several kilometers of sediment. Their floors have probably been sinking for long periods. It seems possible that a sinking current of cooled mantle material on the upper side of the plate might be the cause of such deep basins. The enclosed seas are an important feature of the earth's surface, and seriously require explanation because, in addition to the enclosed seas that are developing at present behind island arcs, there are a number of older ones of possibly similar origin, such as the Gulf of Mexico, the Black Sea, and perhaps the North Sea.

**According to the passage, the floor of the Black Sea can best be compared to a:**

**[Question ID = 17356]**

1. Slowly eroding mountain [Option ID = 39418]
2. Rapidly expanding balloon [Option ID = 39417]
3. Rapidly moving conveyor belt [Option ID = 39415]
4. Slowly settling foundation [Option ID = 39416]

**Correct Answer :-**

- Slowly settling foundation [Option ID = 39416]

**35)**

**Please read the following passage carefully and answer**

No very satisfactory account of the mechanism that caused the formation of the ocean basins has yet been given. The traditional view supposes that the upper mantle of the earth behaves as a liquid when it is subjected to small forces for long periods and that differences in temperature under oceans and continents are sufficient to produce convection in the mantle of the earth with rising convection currents under the mid-ocean ridges and sinking currents under the continents. Theoretically, this convection would carry the continental plates along as though they were on a conveyor belt and would provide the forces needed to produce the split that occurs along the ridge. This view may be correct: it has the advantage that the currents are driven by temperature differences that themselves depend on the position of the continents. Such a back-coupling, in which the position of the moving plate has an impact on the forces that move it, could produce complicated and varying motions.

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**Which of the following, if it could be demonstrated, would most support the traditional view of ocean formation? [Question ID = 17355]**

1. The upper mantle behaves as a dense solid [Option ID = 39411]
2. Sinking plates cool the mantle. [Option ID = 39414]
3. Convection usually occurs along lines [Option ID = 39412]
4. Sedimentation occurs at a constant rate [Option ID = 39413]

**Correct Answer :-**

- Convection usually occurs along lines [Option ID = 39412]

**36)**

**Please read the following passage carefully and answer**

No very satisfactory account of the mechanism that caused the formation of the ocean basins has yet been given. The traditional view supposes that the upper mantle of the earth behaves as a liquid when it is subjected to small forces for long periods and that differences in temperature under oceans and continents are sufficient to produce convection in the mantle of the earth with rising convection currents under the mid-ocean ridges and sinking currents under the continents. Theoretically, this convection would carry the continental plates along as though they were on a conveyor belt and would provide the forces needed to produce the split that occurs along the ridge. This view may be correct: it has the advantage that the currents are driven by temperature differences that themselves depend on the position of the continents. Such a back-coupling, in which the position of the moving plate has an impact on the forces that move it, could produce complicated and varying motions.

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**According to the traditional view of the origin of the ocean basins, which of the following is sufficient to move the continental plates?**  
**[Question ID = 17352]**

1. Movement of mid-ocean ridges [Option ID = 39400]
2. Differences in temperature under oceans and continents [Option ID = 39401]
3. Sinking of ocean basins [Option ID = 39402]
4. Increases in sedimentation on ocean floors [Option ID = 39399]

**Correct Answer :-**

- Differences in temperature under oceans and continents [Option ID = 39401]

**37)**



**Please read the following passage carefully and answer**

No very satisfactory account of the mechanism that caused the formation of the ocean basins has yet been given. The traditional view supposes that the upper mantle of the earth behaves as a liquid when it is subjected to small forces for long periods and that differences in temperature under oceans and continents are sufficient to produce convection in the mantle of the earth with rising convection currents under the mid-ocean ridges and sinking currents under the continents. Theoretically, this convection would carry the continental plates along as though they were on a conveyor belt and would provide the forces needed to produce the split that occurs along the ridge. This view may be correct: it has the advantage that the currents are driven by temperature differences that themselves depend on the position of the continents. Such a back-coupling, in which the position of the moving plate has an impact on the forces that move it, could produce complicated and varying motions.

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**The author refers to a "conveyor belt" in order to: [Question ID = 17353]**

1. Account for the rising currents under certain mid-ocean ridges [Option ID = 39406]
2. Illustrate the effects of convection in the mantle [Option ID = 39403]
3. Describe the complicated motions made possible by back-coupling [Option ID = 39405]
4. Show how temperature differences depend on the positions of the continents [Option ID = 39404]

**Correct Answer :-**

- Illustrate the effects of convection in the mantle [Option ID = 39403]

**38)**

Please read the following passage carefully and answer

No very satisfactory account of the mechanism that caused the formation of the ocean basins has yet been given. The traditional view supposes that the upper mantle of the earth behaves as a liquid when it is subjected to small forces for long periods and that differences in temperature under oceans and continents are sufficient to produce convection in the mantle of the earth with rising convection currents under the mid-ocean ridges and sinking currents under the continents. Theoretically, this convection would carry the continental plates along as though they were on a conveyor belt and would provide the forces needed to produce the split that occurs along the ridge. This view may be correct: it has the advantage that the currents are driven by temperature differences that themselves depend on the position of the continents. Such a back-coupling, in which the position of the moving plate has an impact on the forces that move it, could produce complicated and varying motions.

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According to the passage, which of the following are separated by a plate that is growing on both sides? [Question ID = 17354]

1. The South Atlantic Ridge and the North Sea Ridge [Option ID = 39409]
2. The Mid-Atlantic Ridge and the Indian Ocean Ridge [Option ID = 39407]
3. The Pacific Ocean and the Sea of Japan [Option ID = 39408]
4. The Black Sea and the Sea of Japan [Option ID = 39410]

Correct Answer :-

- The Mid-Atlantic Ridge and the Indian Ocean Ridge [Option ID = 39407]

39) The following table gives the sales of batteries manufactured by a company over the years. **Number of Different Types of Batteries Sold by a Company Over the Years (Numbers in Thousands)**

Year	Types of Batteries					Total
	4AH	7AH	32AH	35AH	55AH	
1992	75	144	114	102	108	543
1993	90	126	102	84	126	528
1994	96	114	75	105	135	525
1995	105	90	150	90	75	510
1996	90	75	135	75	90	465
1997	105	60	165	45	120	495
1998	115	85	160	100	145	605

The percentage of 4AH batteries sold to the total number of batteries sold was maximum in the year? [Question ID = 17360]

1. 1995 [Option ID = 39432]
2. 1994 [Option ID = 39431]
3. 1996 [Option ID = 39433]
4. 1997 [Option ID = 39434]

**Correct Answer :-**

- 1997 [Option ID = 39434]

- 40) The following table gives the sales of batteries manufactured by a company over the years.  
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1997	105	60	165	45	120	495
1998	115	85	160	100	145	605

**What was the approximate percentage increase in the sales of 55AH batteries in 1998 compared to that in 1992? [Question ID = 17357]**

1. 33% [Option ID = 39421]
2. 31% [Option ID = 39420]
3. 28% [Option ID = 39419]
4. 34% [Option ID = 39422]

**Correct Answer :-**

- 34% [Option ID = 39422]

- 41) The following table gives the sales of batteries manufactured by a company over the years.  
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**50. In case of which battery there was a continuous decrease in sales from 1992 to 1997? [Question ID = 17361]**

1. 35AH [Option ID = 39438]
2. 4AH [Option ID = 39435]
3. 7AH [Option ID = 39436]
4. 32AH [Option ID = 39437]

**Correct Answer :-**

- 7AH [Option ID = 39436]

- 42) The following table gives the sales of batteries manufactured by a company over the years.  
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1995	105	90	150	90	75	510
1996	90	75	135	75	90	465
1997	105	60	165	45	120	495
1998	115	85	160	100	145	605

**What is the difference in the number of 35AH batteries sold in 1993 and 1997? [Question ID = 17359]**

1. 35000 [Option ID = 39429]
2. 28000 [Option ID = 39428]
3. 39000 [Option ID = 39430]
4. 24000 [Option ID = 39427]

**Correct Answer :-**

- 39000 [Option ID = 39430]

**43) The following table gives the sales of batteries manufactured by a company over the years. Number of Different Types of Batteries Sold by a Company Over the Years (Numbers in Thousands)**

Year	Types of Batteries					Total
	4AH	7AH	32AH	35AH	55AH	
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1993	90	126	102	84	126	528
1994	96	114	75	105	135	525
1995	105	90	150	90	75	510
1996	90	75	135	75	90	465
1997	105	60	165	45	120	495
1998	115	85	160	100	145	605

**The total sales of all the seven years is the maximum for which battery? [Question ID = 17358]**

1. 4AH [Option ID = 39423]
2. 32AH [Option ID = 39425]
3. 7AH [Option ID = 39424]
4. 35AH [Option ID = 39426]

**Correct Answer :-**

- 32AH [Option ID = 39425]

**44) Which sampling technique would you recommend for the selection of 10,000 households in Delhi for a study? [Question ID = 17348]**

1. Cluster sampling [Option ID = 39386]
2. Stratified random sampling [Option ID = 39384]
3. Simple random sampling [Option ID = 39383]
4. Multi-stage-stratified random sampling [Option ID = 39385]

**Correct Answer :-**

**45) Which one of the North-Eastern states has the highest percentage of tribal population? [Question ID = 17318]**

1. Mizoram [Option ID = 39265]
2. Nagaland [Option ID = 39266]
3. Assam [Option ID = 39264]
4. Meghalaya [Option ID = 39263]

**Correct Answer :-**

- Mizoram [Option ID = 39265]

**46) All places with a municipality, corporation, cantonment board or notified town area committee are known as: [Question ID = 17319]**

1. Municipality [Option ID = 39269]
2. Urban agglomeration [Option ID = 39270]
3. Statutory town [Option ID = 39267]
4. Census town [Option ID = 39268]

**Correct Answer :-**

- Statutory town [Option ID = 39267]

**47) "Reasoning from general to particular" is called: [Question ID = 17339]**

1. Experience [Option ID = 39350]
2. Induction [Option ID = 39347]

3. Deduction [Option ID = 39348]
4. Observation [Option ID = 39349]

**Correct Answer :-**

- Deduction [Option ID = 39348]

**48) In which state of India is Rayalaseema located? [Question ID = 17314]**

1. Odisha [Option ID = 39248]
2. Maharashtra [Option ID = 39247]
3. Andhra Pradesh [Option ID = 39249]
4. Tamil Nadu [Option ID = 39250]

**Correct Answer :-**

- Andhra Pradesh [Option ID = 39249]

**49) Nichols Spykman defined 'rimland' as: [Question ID = 17330]**

1. none of these [Option ID = 39314]
2. a peripheral region, especially one with political or strategic significance [Option ID = 39312]
3. the island nations [Option ID = 39313]
4. the central or most important part of a country, area, or field of activity [Option ID = 39311]

**Correct Answer :-**

- a peripheral region, especially one with political or strategic significance [Option ID = 39312]

**50) The purpose of stratified random sampling is to make certain that: [Question ID = 17349]**

1. The participants chosen for the study are the ones most likely to react to the treatment [Option ID = 39388]
2. The sample proportionately represents individuals from different categories of the population [Option ID = 39390]
3. Every member of the population has an equal chance of being selected for the sample [Option ID = 39387]
4. The sample is more representative of the target population than the accessible population [Option ID = 39389]

**Correct Answer :-**

- The sample proportionately represents individuals from different categories of the population [Option ID = 39390]