# DU PhD in Home Science

Topic:- DU_J18_PHD_HS

**1) Electronic journal usually have the following features:**
**i. HTML/ PDF formats**
**ii. Part of bibliographic databases**
**iii. Can be accessed by payment only**
**iv. ISSN & DOI number**
**Codes: [Question ID = 4180]**

1. ii, iv, iii [Option ID = 16719]
2. ii, iii, i [Option ID = 16720]
3. i, iii, iv [Option ID = 16718]
4.  i, ii, iv, [Option ID = 16717]

**Correct Answer :-**
* i, ii, iv, [Option ID = 16717]

**2) Projective techniques are research instruments that**
**i. Reveal hidden aspects of personality**
**ii. Provide unstructured and ambiguous stimuli**
**iii. Have high objectivity**
**iv. Used for studying emotions and motivations**
**Codes: [Question ID = 4181]**

1.  iv, ii, iii [Option ID = 16724]
2. ii, i, iii [Option ID = 16722]
3.  i, iv, ii [Option ID = 16721]
4. iv, i, iii [Option ID = 16723]

**Correct Answer :-**
* i, iv, ii [Option ID = 16721]

**3)  What is an outlier? [Question ID = 4173]**

1. A score that is left out of the analysis because of missing data [Option ID = 16691]
2. A compulsive liar who is proud to lie [Option ID = 16690]
3. An extreme value at either end of a distribution [Option ID = 16692]
4. A type of variable that cannot be quantified [Option ID = 16689]

**Correct Answer :-**
* An extreme value at either end of a distribution [Option ID = 16692]

**4)  Three sources that a scholar may use to collect secondary data about their research topic**
**i. Newspaper articles**
**ii. Interview community leaders**
**iii. Social Welfare Journals**
**iv. Government reports**
**Code: [Question ID = 4185]**

1. i, ii, iii [Option ID = 16737]
2.  iv ,i, iii [Option ID = 16740]
3. ii, iv ,i [Option ID = 16739]
4. ii ,iii, iv [Option ID = 16738]

**Correct Answer :-**
* iv ,i, iii [Option ID = 16740]

**5) Which among the following list is not a type of variable [Question ID = 4162]**

1. Independent [Option ID = 16645]
2. Continuous [Option ID = 16648]
3. Active [Option ID = 16646]
4. Symmetrical [Option ID = 16647]

**Correct Answer :-**

- Symmetrical [Option ID = 16647]

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**6) A tool in research demands priority on [Question ID = 4156]**

1. Objectivity [Option ID = 16623]
2. All of the above [Option ID = 16624]
3. Useability [Option ID = 16622]
4. Reliability [Option ID = 16621]

**Correct Answer :-**

- All of the above [Option ID = 16624]

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**7) Action research means [Question ID = 4157]**

1. A research initiated to solve an immediate problem [Option ID = 16627]
2. A research with socio-economic objective [Option ID = 16628]
3. longitudinal research [Option ID = 16625]
4. An applied research [Option ID = 16626]

**Correct Answer :-**

- A research initiated to solve an immediate problem [Option ID = 16627]

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**8)   Questionnaire is a [Question ID = 4165]**

1. Research method [Option ID = 16657]
2. Data analysis technique [Option ID = 16660]
3. Measurement technique [Option ID = 16658]
4. Tool for data collection [Option ID = 16659]

**Correct Answer :-**

- Tool for data collection [Option ID = 16659]

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**9) Using different methods of collecting data, different sources of evidence, different tests and in some cases different interviewers, is known as [Question ID = 4170]**

1. Triangulation [Option ID = 16679]
2. Transferability [Option ID = 16680]
3. Reliability [Option ID = 16677]
4. Convergent validity [Option ID = 16678]

**Correct Answer :-**

- Triangulation [Option ID = 16679]

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**10)  The normal distribution is the one in which the value of [Question ID = 4160]**

1. Variance and standard deviation are same [Option ID = 16638]
2. Mode and median are same [Option ID = 16637]
3. Mean, median and mode are same [Option ID = 16639]
4. Mean and Median are same [Option ID = 16640]

**Correct Answer :-**

- Mean, median and mode are same [Option ID = 16639]

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**11) A reasoning where we start with certain particular statements and conclude with a universal statement is called [Question ID = 4158]**

1. Abnormal Reasoning [Option ID = 16631]
2. Inductive Reasoning [Option ID = 16630]
3. Transcendental Reasoning [Option ID = 16632]
4. Deductive Reasoning [Option ID = 16629]

**Correct Answer :-**

- Inductive Reasoning [Option ID = 16630]

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**12) A research paper is a brief report of research work based on [Question ID = 4161]**

1. Secondary data only [Option ID = 16642]
2. Both primary and secondary data [Option ID = 16643]

3. None of these [Option ID = 16644]
4. Primary data only [Option ID = 16641]

**Correct Answer :-**

- Both primary and secondary data [Option ID = 16643]

**13)** **In research, we need to operationalize concepts in order to**
**i. Reduce subjective bias**
**ii. Enable correlation**
**iii. Facilitate measurement**
**iv. Minimize ambiguity**
**Codes: [Question ID = 4179]**

1. iii, ii, i [Option ID = 16714]
2. ii, iv, i [Option ID = 16715]
3. iii, iv, i [Option ID = 16716]
4. ii, iii, iv [Option ID = 16713]

**Correct Answer :-**

- iii, iv, i [Option ID = 16716]

**14)** **What is the purpose of informed consent? [Question ID = 4159]**

1. To ensure that the participant make an informed choice about their participation and not undertake to do something which they may otherwise have declined to do. [Option ID = 16635]
2. All of these. [Option ID = 16636]
3. To make sure that participants know exactly what to expect from the research and to communicate their right to withdraw at any stage. [Option ID = 16634]
4. To ensure that participants are aware about the time commitment involved in their participation [Option ID = 16633]

**Correct Answer :-**

- All of these. [Option ID = 16636]

**15)** **Categorization of raw data must include principles of:**
**i. Regressive multiple discourse**
**ii. Exhaustiveness**
**iii. Mutually exclusive & independent**
**iv. Singular classificatory principle**
**Codes: [Question ID = 4178]**

1. i, ii, iii [Option ID = 16712]
2. iv, i, ii [Option ID = 16711]
3. iii, iv, i [Option ID = 16710]
4. ii, iii, iv [Option ID = 16709]

**Correct Answer :-**

- ii, iii, iv [Option ID = 16709]

**16)** **Assertion (A) : In an interview schedule, the written list of questions are recorded by the interviewee.**
**Reasoning (R): Face to face interactions are the most appropriate for conducting an interview.**
**Code: [Question ID = 4192]**

1. A is true but R is false [Option ID = 16766]
2. A is false but R is true [Option ID = 16767]
3. Both A and R are true [Option ID = 16765]
4. Both A and R are false [Option ID = 16768]

**Correct Answer :-**

- A is false but R is true [Option ID = 16767]

**17)** **Assertion(A): Using a questionnaire as a tool enables covering large samples and a wide geographic area at a relatively reasonable cost.**
**Reasoning (R) : Questionnaires usually have a high response rate.**
**Code [Question ID = 4188]**

1. Both (A) and (R) are incorrect. [Option ID = 16750]
2. Both (A) and (R) are correct. [Option ID = 16749]
3. (A) is incorrect, but (R) is correct. [Option ID = 16752]
4. (A) is correct, but (R) is incorrect. [Option ID = 16751]

**18) Assertion (A): The correlation coefficient requires that the underlying relationship between the two variables under consideration is linear**

**Reasoning (R): The correlation coefficient can only then theoretically assume any value in the interval between +1 and −1.**

**[Question ID = 4193]**

1. A is true but R is false [Option ID = 16770]
2. A is false but R is true [Option ID = 16771]
3. Both A and R are true [Option ID = 16769]
4. Both A and R are false [Option ID = 16772]

**Correct Answer :-**

• Both A and R are true [Option ID = 16769]

**19) Assertion (A): A survey that asks the respondent to indicate their age and includes response categories of age in years 20-30, 30-40, 40-50 and 50+, violates an important rule.**

**Reasoning (R): For constructing closed-ended items for questionnaires, the categories should be mutually exclusive.**

**Code: [Question ID = 4191]**

1. Both (A) and (R) are incorrect [Option ID = 16762]
2. Both (A) and (R) are correct [Option ID = 16761]
3. (A) is incorrect, but (R) is correct [Option ID = 16764]
4. (A) is correct, but (R) is incorrect [Option ID = 16763]

**Correct Answer :-**

• Both (A) and (R) are correct [Option ID = 16761]

**20) Assertion (A): A one-tailed test provides more power to detect an effect, whenever you have a hypothesis about the direction of an effect.**

**Reasoning (R): When using a significance level of .05, a one-tailed test allots half of your alpha to testing the statistical significance in one direction and half of your alpha to testing statistical significance in the other direction.**

**Code [Question ID = 4189]**

1. Both (A) and (R) are incorrect. [Option ID = 16754]
2. Both (A) and (R) are correct. [Option ID = 16753]
3. (A) is incorrect, but (R) is correct [Option ID = 16756]
4. (A) is correct, but (R) is incorrect. [Option ID = 16755]

**Correct Answer :-**

• (A) is correct, but (R) is incorrect. [Option ID = 16755]

**21) Assertion (A): The sign test is appropriate in place for a one-sample t-test or in place of a paired t-test if the data measurement is not on ratio or interval scale**

**Reasoning (R): The sign test is used to test the null hypothesis that the median of a distribution is equal to a calculated value.**

**Code [Question ID = 4190]**

1. Both (A) and (R) are incorrect. [Option ID = 16758]
2. Both (A) and (R) are correct. [Option ID = 16757]
3. (A) is incorrect, but (R) is correct [Option ID = 16760]
4. (A) is correct, but (R) is incorrect. [Option ID = 16759]

**Correct Answer :-**

• Both (A) and (R) are correct. [Option ID = 16757]

**22) A statistical technique used to test the differences between three or more independent population groups is called [Question ID = 4172]**

1. t-test [Option ID = 16687]
2. Regression [Option ID = 16686]
3. ANOVA [Option ID = 16685]
4. Chi Square [Option ID = 16688]

**Correct Answer :-**

• ANOVA [Option ID = 16685]

**23) The response rate obtained in a questionnaire based survey research is usually due to the combined effect of**
**i. Sampling method adopted**

ii. SPSS analysis
iii. Length of questionnaire
iv. Research topic & objectives
Codes: [Question ID = 4183]

1. i,ii,iii [Option ID = 16729]
2. i,iii, iv [Option ID = 16731]
3. ii, i, iv [Option ID = 16732]
4. iv,ii, iii [Option ID = 16730]

**Correct Answer :-**

- i,iii, iv [Option ID = 16731]

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24) Qualitative research approach necessarily involves:
i. In-depth interviews
ii. probability sampling techniques
iii. naturalistic inquiry
iv. Context sensitivity
Codes: [Question ID = 4184]

1. i, ii, iii [Option ID = 16736]
2. ii, iv, iii [Option ID = 16734]
3. i, iii, iv [Option ID = 16733]
4. i, ii, iv [Option ID = 16735]

**Correct Answer :-**

- i, iii, iv [Option ID = 16733]

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25) Match the concepts given in list A with their symbols in List B

| List A | | List B | |
| --- | --- | --- | --- |
| a. | Pearson correlation | i. | $g_x$ |
| b. | Chi Square | ii. | $\mu$ |
| c. | Population mean | iii. | $R_{xx}$ |
| d. | Sample variance | iv. | $s^2$ |
| | | v. | $\chi^2$ |

[Question ID = 4197]

| | a | b | c | d | |
| --- | --- | --- | --- | --- | --- |
| 1. | iii | i | v | iv | [Option ID = 16785] |
| 2. | ii | i | v | iii | [Option ID = 16788] |
| 3. | iii | v | ii | iv | [Option ID = 16786] |
| 4. | iv | i | ii | v | [Option ID = 16787] |

**Correct Answer :-**

| | a | b | c | d | |
| --- | --- | --- | --- | --- | --- |
| • | iii | v | ii | iv | [Option ID = 16786] |

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26) Match the concepts in list A with descriptions in List B

| List A | | List B | |
| --- | --- | --- | --- |
| a. | A detailed description of a person or institution | i. | Ethnographic study |
| b. | A qualitative method where the researcher lives with the people they are studying | ii. | Case study |
| | | iii. | Longitudinal studies |
| c. | Interventional study without random assignment. | iv. | Quasi experimental design |
| d. | Cohort studies | v. | Deductive reasoning |

[Question ID = 4198]

| | a | b | c | d | |
| --- | --- | --- | --- | --- | --- |
| 1. | iv | i | ii | v | [Option ID = 16791] |
| 2. | ii | i | iv | iii | [Option ID = 16792] |
| 3. | ii | i | iii | iv | [Option ID = 16790] |
| 4. | iii | i | v | iv | [Option ID = 16789] |

**Correct Answer :-**

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27) Match the statistical tests in list A to their features in list B

| List A | List B |
| --- | --- |
| a) Mann Whitney test | i. Comparing two large samples |
| b) T-test | ii. Expected/obtained frequencies. |
| c) Chi square | iii. Small sample, non-parametric test |
| d) Spearman's r | iv. Small sample, parametric test |
| | v. Coefficient of correlation |

**[Question ID = 4195]**

| | a | b | c | d | |
| --- | --- | --- | --- | --- | --- |
| 1. | iv | ii | iii | v | [Option ID = 16779] |
| 2. | iii | iv | ii | v | [Option ID = 16777] |
| 3. | ii | i | iv | v | [Option ID = 16778] |
| 4. | i | ii | iv | iii | [Option ID = 16780] |

**Correct Answer :-**

| a | b | c | d | |
| --- | --- | --- | --- | --- |
| iii | iv | ii | v | [Option ID = 16777] |

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28) The distribution shown in the diagram indicates a
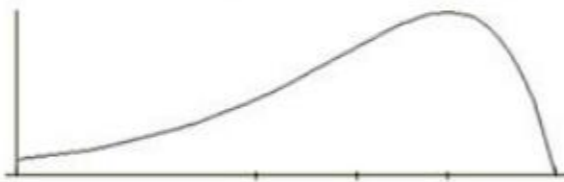


**[Question ID = 4167]**

1. Positive skew [Option ID = 16666]
2. Normal Curve [Option ID = 16668]
3. Normal skew [Option ID = 16667]
4. Negative skew [Option ID = 16665]

**Correct Answer :-**

- Negative skew [Option ID = 16665]

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29) Match the items given in list A with the appropriate scale of measurement in list B

| List A | List B |
| --- | --- |
| a) Height (cms) | i. Interval scale |
| b) Trouser size (large/small) | ii. Ratio scale |
| c) Temperature in Celsius | iii. Ordinal scale |
| d) Post codes (zip codes) | iv. Attitude scale |
| | v. Nominal scale |

**[Question ID = 4194]**

| | a | b | c | d | |
| --- | --- | --- | --- | --- | --- |
| 1. | iv | ii | i | iii | [Option ID = 16773] |
| 2. | iv | i | ii | iii | [Option ID = 16775] |
| 3. | ii | iii | i | v | [Option ID = 16776] |
| 4. | ii | v | i | iii | [Option ID = 16774] |

**Correct Answer :-**

| a | b | c | d | |
| --- | --- | --- | --- | --- |
| ii | iii | i | v | [Option ID = 16776] |

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30)

Match the process of data collection given in list A with the methods given in list B

| | List A | | List B |
|---|---|---|---|
| a. | Systematic watching of activity | i. | Interview |
| b. | WISC | ii. | Observation |
| c. | Written list of questions answered by the respondent | iii. | Questionnaire |
| | | iv. | Projective Technique |
| d. | Ambiguous picture cards | v. | Standardized test |

**[Question ID = 4196]**

| | a | b | c | d | |
|---|---|---|---|---|---|
| 1. | iv | i | ii | v | [Option ID = 16783] |
| 2. | ii | v | i | iv | [Option ID = 16782] |
| 3. | ii | v | iii | iv | [Option ID = 16784] |
| 4. | iii | i | v | iv | [Option ID = 16781] |

**Correct Answer :-**

| | a | b | c | d | |
|---|---|---|---|---|---|
| • | ii | v | iii | iv | [Option ID = 16784] |

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**31)**


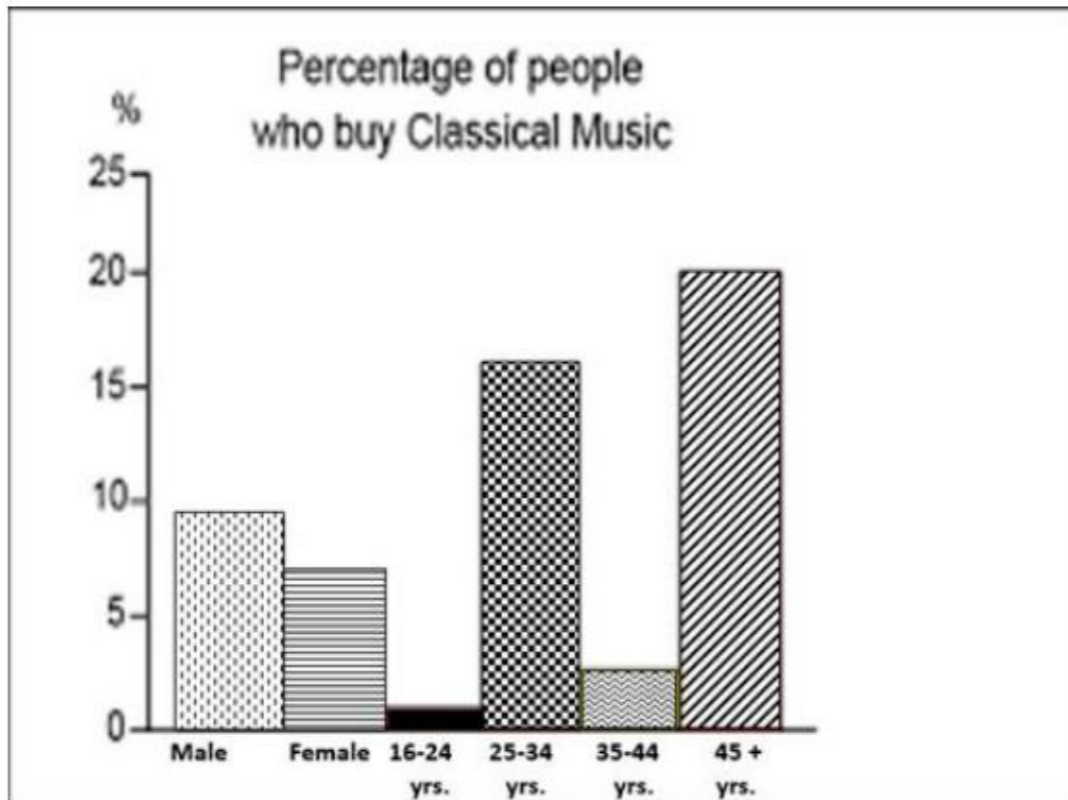
Percentage of people who buy Classical Music
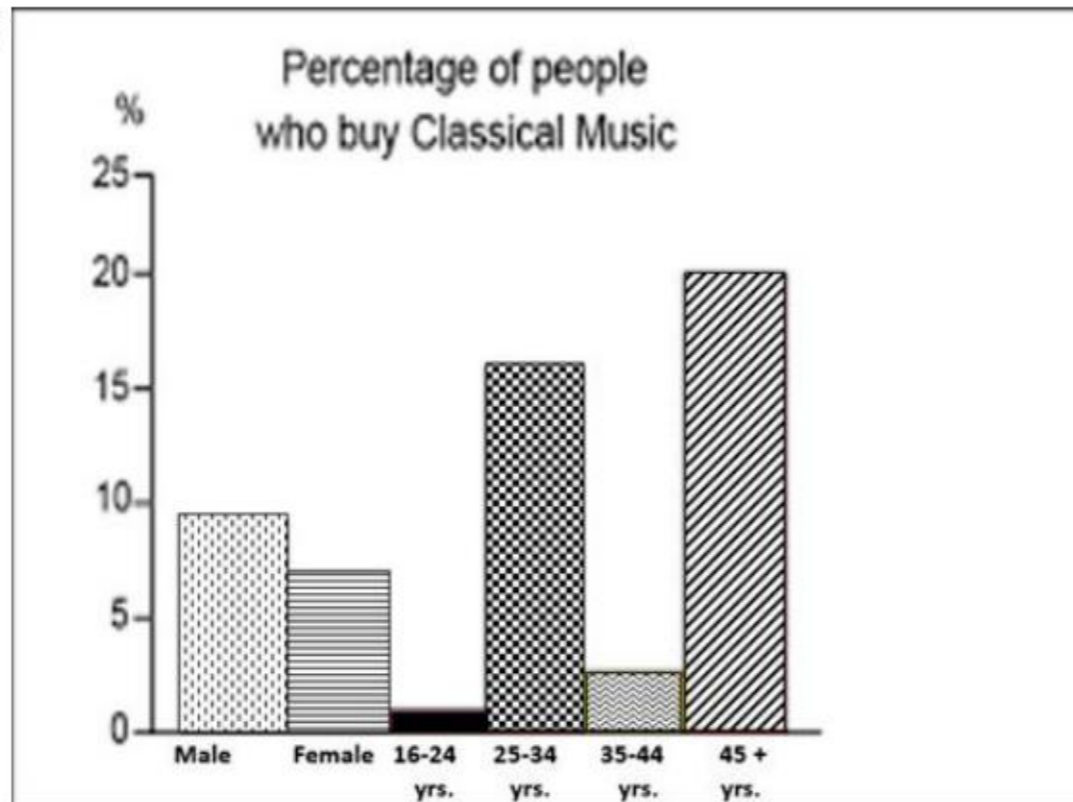
**The X axis is also called [Question ID = 4200]**

1. Value axis [Option ID = 16798]
2. Vertical axis [Option ID = 16799]
3. Category axis [Option ID = 16797]
4. Age axis [Option ID = 16800]

**Correct Answer :-**

- Category axis [Option ID = 16797]

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**32)**

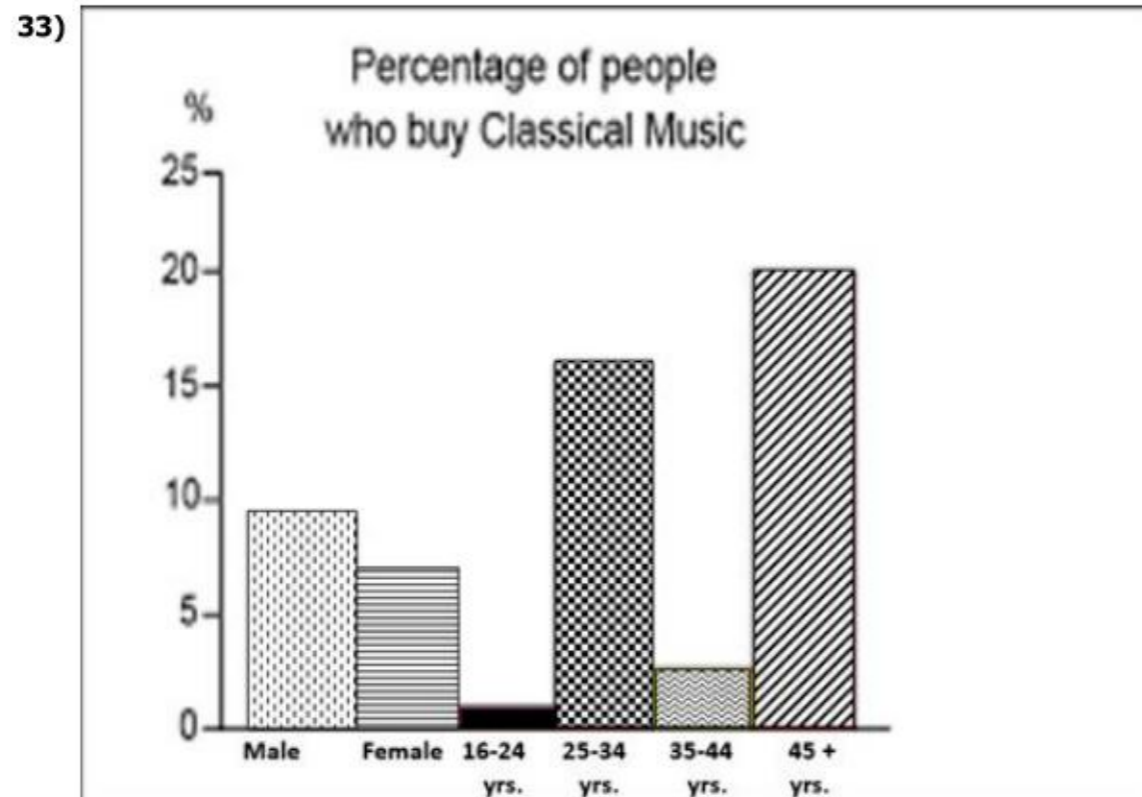Percentage of people who buy Classical Music

**Approximately 20% of the population that buys classical music is below the age of _____ years [Question ID = 4203]**

1. 16 years [Option ID = 16809]
2. 34 years [Option ID = 16811]
3. 44 years [Option ID = 16812]
4. 24 years [Option ID = 16810]

**Correct Answer :-**

- 44 years [Option ID = 16812]

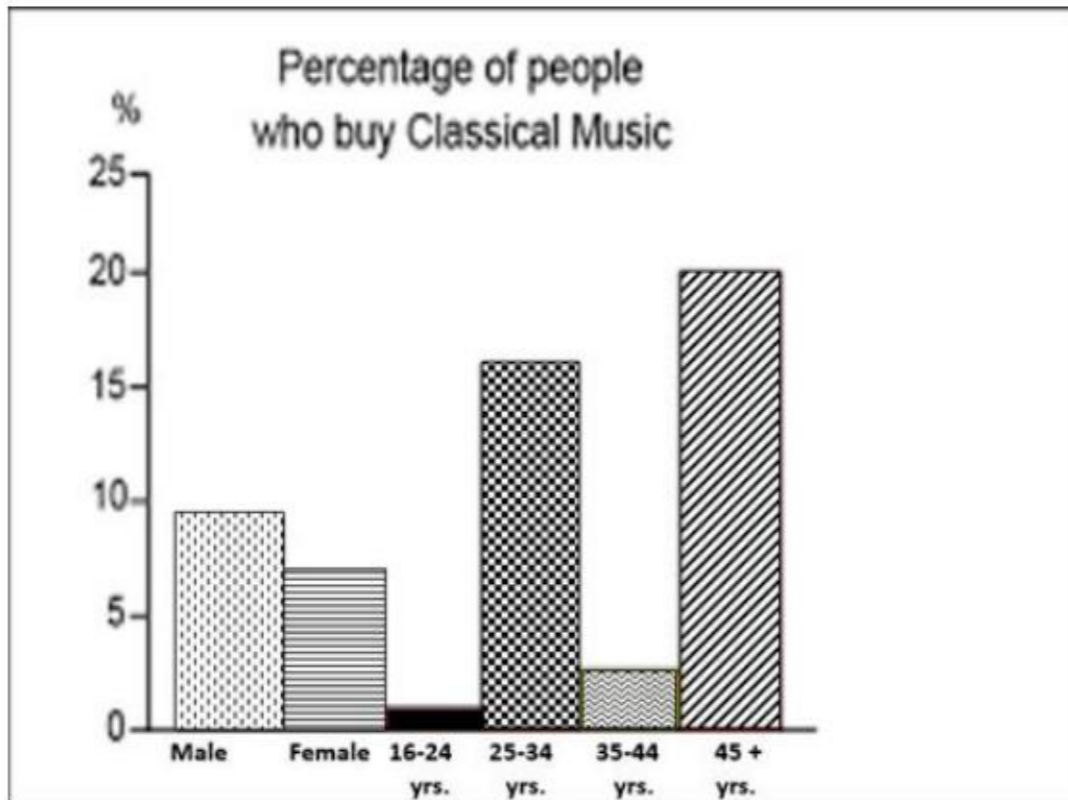---

33)



Percentage of people who buy Classical Music

**What is the total percentage of males and females who buy classical music? [Question ID = 4202]**

1. 16% [Option ID = 16806]
2. 25% [Option ID = 16805]
3. 10% [Option ID = 16808]
4. 5% [Option ID = 16807]

**Correct Answer :-**

- 16% [Option ID = 16806]

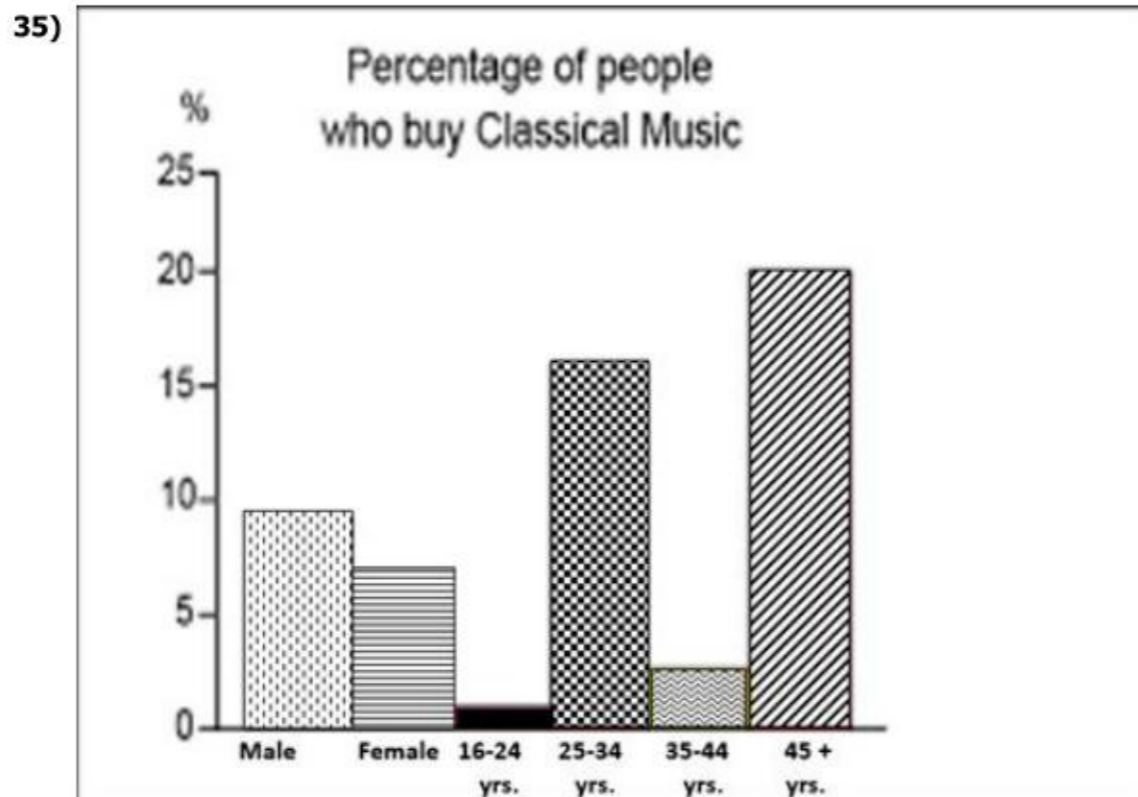---

34)

Percentage of people who buy Classical Music

**What is the group of people who buy classical music least? [Question ID = 4201]**

1. 16-24 [Option ID = 16802]
2. 25-34 [Option ID = 16801]
3. 45+ [Option ID = 16804]
4. 35-44 [Option ID = 16803]

**Correct Answer :-**

- 16-24 [Option ID = 16802]

35)



Percentage of people who buy Classical Music

**The above graphical representation is a: [Question ID = 4199]**

1. Bar graph [Option ID = 16793]
2. Histogram [Option ID = 16794]
3. Pie chart [Option ID = 16795]
4. Flow chart [Option ID = 16796]

**Correct Answer :-**

- Bar graph [Option ID = 16793]

**36) Choose the incorrect statement. [Question ID = 4171]**

1. Creating a new measure using item-analysis procedures would usually be followed by assessing the reliability and validity of the measure [Option ID = 16681]
2. A measure that is valid for one purpose may not be valid for another purpose [Option ID = 16684]

3. Reliability and validity should not be affected by the context and purpose of the measure [Option ID = 16682]
4. Reliability and validity are not inherent characteristics of measures [Option ID = 16683]

**Correct Answer :-**

- Reliability and validity should not be affected by the context and purpose of the measure [Option ID = 16682]

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**37) Why did Savita select her sample from USA, India, and China for her study on identity?**
**i. To increase sample representativeness.**
**ii. To take into account any cultural variation in the way identity was perceived in the community.ii. To take into account any cultural variation in the way identity was perceived in the community.**
**iii. Because earlier research shows that identity construction differs in these countries**
**iv. Because these countries are highly populated, so sample selection would be facilitated**
**Code: [Question ID = 4182]**

1. ii, iv, iii [Option ID = 16727]
2. ii, iii, i [Option ID = 16728]
3. i, ii, iv, [Option ID = 16725]
4. i, iii, iv [Option ID = 16726]

**Correct Answer :-**

- ii, iii, i [Option ID = 16728]

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**38) Which of the following could be subjected to a textual content analysis?**
**i. Interview transcripts**
**ii. Newspaper articles**
**iii. Song lyrics**
**iv. Frequency tables**
**Codes: [Question ID = 4176]**

1. i, ii, iv [Option ID = 16702]
2. i, ii, iii [Option ID = 16701]
3. ii, iii, iv [Option ID = 16703]
4. i, iii, iv [Option ID = 16704]

**Correct Answer :-**

- i, ii, iii [Option ID = 16701]

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**39) Which of the following statistical test are assumption free tests**
**i. Kruskal-Wallis Test**
**ii. Mann Whitney Test**
**iii. T test**
**iv. Sign Test**
**Codes: [Question ID = 4186]**

1. i, ii, iii [Option ID = 16741]
2. ii, iii, iv [Option ID = 16743]
3. iii, iv, i [Option ID = 16744]
4. i, ii, iv [Option ID = 16742]

**Correct Answer :-**

- i, ii, iv [Option ID = 16742]

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**40) Which of the following is not a "Graphic representation" ? [Question ID = 4168]**

1. Pie Chart [Option ID = 16669]
2. Histogram [Option ID = 16672]
3. Bar Chart [Option ID = 16670]
4. Table [Option ID = 16671]

**Correct Answer :-**

- Table [Option ID = 16671]

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**41) Which of the following is the first step in starting the research process? [Question ID = 4155]**

1. Searching sources of information to locate problem. [Option ID = 16617]
2. Searching for solutions to the problem [Option ID = 16620]
3. Identification of problem [Option ID = 16619]
4. Survey of related literature [Option ID = 16618]

**Correct Answer :-**

- Identification of problem [Option ID = 16619]

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42) **Which of the following variables can be classified only under the nominal category?**
**i. Eye colour**
**ii. Military rank**
**iii. Type of cheese**
**iv. Political parties affiliation**
**Codes: [Question ID = 4175]**

1. i, ii, iv [Option ID = 16698]
2. i, iii, iv [Option ID = 16700]
3.  ii, iii, iv [Option ID = 16699]
4.  i, ii, iii [Option ID = 16697]

**Correct Answer :-**

- i, iii, iv [Option ID = 16700]

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43) **Which of the following are examples of a 'unit of analysis'?**
**i. Validity**
**ii. Individuals**
**iii. Words**
**iv. Themes**
**Codes: [Question ID = 4177]**

1. ii, iii, iv [Option ID = 16707]
2.  i, iii, iv [Option ID = 16708]
3.  i, ii, iii [Option ID = 16705]
4.  i, ii, iv [Option ID = 16706]

**Correct Answer :-**

- ii, iii, iv [Option ID = 16707]

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44) **Which one of these characteristics would you expect not to give high test-retest reliability? [Question ID = 4169]**

1. Attention [Option ID = 16673]
2. Intelligence [Option ID = 16675]
3.  Dyslexia [Option ID = 16676]
4.  Religious beliefs [Option ID = 16674]

**Correct Answer :-**

- Attention [Option ID = 16673]

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45) **One of the following search engine is exclusively meant for scientific information : [Question ID = 4164]**

1. Google [Option ID = 16653]
2. Altavista [Option ID = 16656]
3. Science Indirect [Option ID = 16654]
4. SciFinder [Option ID = 16655]

**Correct Answer :-**

- SciFinder [Option ID = 16655]

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46) **Key characteristics of Experimental research design are**
**i. High external validity**
**ii. High internal validity**
**iii. Randomization**
**iv. Control of extraneous variables**
**Codes: [Question ID = 4174]**

1.  i,iii, iv [Option ID = 16695]
2.  iv, iii,ii [Option ID = 16693]
3.  ii, iv, i [Option ID = 16696]
4.  i,ii iii [Option ID = 16694]

**Correct Answer :-**

- iv, iii,ii [Option ID = 16693]

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47) **Mean, Median and Mode are : [Question ID = 4154]**

1. Ways of sampling [Option ID = 16614]

2. None of these [Option ID = 16616]
3. Measures of deviation [Option ID = 16613]
4. Measures of control tendency [Option ID = 16615]

**Correct Answer :-**

- None of these [Option ID = 16616]

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**48) What would be the preferred forms of graphic representation for displaying the number of girls and boys enrolled in different streams of engineering in a college?**
**i. Bar Graph**
**ii. Histogram**
**iii. Pie Chart**
**iv. Line graph**
**Codes: [Question ID = 4187]**

1. i, ii, iii [Option ID = 16745]
2. ii, iii, iv [Option ID = 16747]
3. i, iii, iv [Option ID = 16746]
4. i, ii, iv [Option ID = 16748]

**Correct Answer :-**

- i, ii, iv [Option ID = 16748]

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**49) A type of probability sampling method [Question ID = 4163]**

1. Cluster [Option ID = 16650]
2. Inductive [Option ID = 16651]
3. Snowball [Option ID = 16649]
4. Purposive [Option ID = 16652]

**Correct Answer :-**

- Cluster [Option ID = 16650]

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**50) Assume that a chi square test is to be performed on a contingency table with four rows and four columns. How many degrees of freedom should be used [Question ID = 4166]**

1. 6 [Option ID = 16664]
2. 9 [Option ID = 16663]
3. 8 [Option ID = 16662]
4. 16 [Option ID = 16661]

**Correct Answer :-**

- 9 [Option ID = 16663]

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