

M.A. II CBCS

Semester – IV Interdisciplinary Course

Sample Questions for Relational Logic & Axiomatic Systems

- ' & ' is a sign of in Zermelo Frankel system.
a. Negation b. Disjunction c. Equivalent d. Conjunction
- Uniqueness quantifier is a symbol of.....
a. Quantifier b. Proposition C. Relation d. Identity
- Entities which enter into set are called of the set.
a. Quantifier b. Member c. Null d. Identical
- Symbolization of given proposition 'Amit is a member of set of actor, is
a. $a \in B$ b. $a = B$ c. $A \in B$ d. $a \sim B$
- Zero is use forset.
a. Identical set b. Empty set c. Included set d. Zero set
- Set A is identical with set B means.....
a. Set A is included is set B b. Set A is difference form set B
c. Set A and B has same member d. Set a properly included in set B
- $(\forall x) [X \in Y \leftrightarrow x \in A \vee x \in B]$
a. Definition of Intersection c. definition of union
b. Definition of difference d. definition of identity
- $x \notin A$ reading of the symbol is.....
a. x is not a member of A c. x is a member of A
b. x is included in A d. x is identical with A
- Set union means members belong to.....
a. Both class equally c. Either A or B
b. E and B both d. Not both
- Null set hasmember in set.
a. One b. Many c. No d. More than one
- Relational proposition is one of the classifications of.....
a. Sentence b. Proposition c. Connection d. Argument
- When relation hold between three things or individual is known as.....
a. Binary b. Triadic c. Tetradic d. Dyadic
- Ais collection of entities of all sorts.
a. Subset b. Set c. Empty set d. Null set

14. Binary relation is also known as.....
 a. Relator b. Dyadic c. Triadic d. Tetraide
15. 'Ali is older than Salil', symbolization of the given proposition is.....
 a. Ola b. Oal c. Aol d. Loa
16. Identity is kind ofrelation.
 a. Reflexive b. Totally reflexive c. Non-reflexive d. None
17. In relational logicfollowing symbols use of relational symbols
 a. Small letters a-w b. Capital Letters A-Z
 c. Small letters x,y,z d. Small letters p, q, r
18. West Bengal is to the east of Bihar', symbolization of the given relation proposition is...
 a. Wbi b. Bwi c. Eiw d. Wib
19. (X) $\sim Aax$ is symbolization of the following relational proposition.
 a. A attracts everything b. Nothing is attracted by A
 c. Nothing attracts A d. Something attract A
20. If sets have no members, then it's called.....
 a. No set b. Null set c. Zero set d. Complete set
21. A relation is called if one thing has that relation to a second, the second must have same relation to the first.
 a. Asymmetrical relation b. Symmetrical relation
 c. Reflexive d. Identical
22. Existential quantifier show with following symbol in Z.F. system.
 a. \sim b. U c. = d. $(\exists x)$
23. '=' is a sign of in Zermelo Frankel system.
 a. Negation b. Set Union c. Set Identity d. Set difference
24. In Z.F systems there areAxioms.
 a. Four b. Three c. Six d. One
25. When two set like A and B have same members, means they are.....
 a. Inclusion b. Identical c. Different d. Properly Included
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