Course: M.A. II CBCS

Semester – IV Interdisciplinary Course

Subject: Relational Logic & Axiomatic Systems (Paper XV)

Date:

Type: MCQ

Q1. ‘ & ‘ is a sign of …… in Zermelo Frankel system.(3)

1. Negation
2. Disjunction
3. Equivalent
4. **Conjunction

Q2. Uniqueness quantifier is a symbol of……..(3)

1. **Quantifier
2. Proposition
3. Relation
4. Identity

Q3. Entities which enter into set are called …… of the set.(3)

1. Quantifier
2. **Member
3. Null
4. Identical

Q4. Symbolization of given proposition ‘Amit is a member of set of actor, is…(4)

1. **a ε B
2. a = B
3. A ε B
4. a ~ B

Q5. Zero is use for ……set.(4)

1. Identical set
2. **Empty set
3. Included set
4. Zero set

Q6. Set A is identical with set B means-(4)

1. Set A is included is set B
2. Set A is difference form set B
3. **Set A and B has same member
4. Set a properly included in set B

Q7. (vx) [X ε Y ↔ x  A v x ε B](4)

1. Definition of Intersection
2. **Definition of union
3. Definition of difference
4. definition of identity

Q8. $x \notin A$ reading of the symbol i-(3)

1. **x is not a member of A
2. x is a member of A
3. x is included in A
4. x is identical with A

Q9. Set union means members belong to-(3)

1. Both class equally
2. **Either A or B
3. E and B both
4. Not both

Q10. Null set has …….member in set-(3)

1. One
2. Many
3. **No
4. More than one

Q11. Relational proposition is one of the classifications of-(1)

1. Sentence
2. **Proposition
3. Connection
4. Argument

Q12. When relation hold between three things or individual is known as-(2)

1. Binary
2. **Triadic
3. Tetriadic
4. Dyadic

Q13. A….is collection of entities of  all sorts.(3)

1. Subset
2. **Set
3. Empty set
4. Null set

Q14. Binary relation is also known as…….(1)

1. Relator
2. **Dyadic
3. Triadic

4. Tetraidc

Q15. ‘Ali is older than Salil’, symbolization of the given proposition is…(2)

1. Osa
2. **Oas
3. Aos
4. Soa

Q16. Identity is kind of ……..relation.(2)

1. Reflexive
2. **Totally reflexive
3. Non-reflexive
4. Ireflexive

Q17. In relational logic ……following symbols use of relational symbols.(1)

1. Small letters a-w
2. **Capital Letters A-Z
3. Small letters x,y,z
4. Small letters p, q, r

Q18. West Bengal is to the east of Bihar’, symbolization of the given relation proposition is…(2)

1. Wbi
2. **Ewb
3. Eiw
4. Wib

Q19. (x) ~Aax is symbolization of the following relational proposition.(2)

1. A attracts everything
2. **Nothing is attracted by A
3. Nothing attracts A
4. Something attract A

Q20. If sets have no members, then it’s called……(2)

1. No set
2. **Null set
3. Zero set
4. Complete set

Q21. A relation is called ……. if one thing has that relation to a second, the second must have same relation to the first. (1)

1. Asymmetrical relation
2. **Symmetrical relation
3. Reflexive
4. Identical

Q22. Existential quantifier show with following symbol in Z.F. system.(3)

1. ~
2. U
3. =
4. **(∃x)

Q23. ‘ = ‘ is a sign of ……in  Zermelo Frankel system.(3)

1. Negation
2. Set Union
3. **Set Identity
4. Set difference

Q24. In Z.F systems there are ……Axioms.(3)

1. Four
2. **Three
3. Six
4. One

Q25. When two set like A and B have same members, means both are…(3)

1. Inclusion
2. **Identical
3. Different
4. Properly Included