Role-Based Access Control Modelling

1. How is a specific type of interaction between a subject and an object that results in the flow of information from one to another called?

☐ Access control
☐ Session
☐ Access
☐ Permission assignment
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2. How is an active entity that causes information to flow among objects or changes the system state called?

☐ Administrator
☐ User
☐ Subject
☐ Role
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3. How is a partial order of relationships established among roles called?

☐ Sessions
☐ Permission hierarchy
☐ Role hierarchy
☐ Constraints
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4. What are the major tasks of the system administrator?

☐ Predefine secured operations and objects
☐ Manage users and roles
☐ Create assignment relationships
☐ Establish relationships between roles, secured operations and objects
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5. Which modelling languages are specifically extended to model role-based access control?

☐ Secure Tropos
☐ SecureUML
☐ KAOS extension to security
☐ Misuse cases
☐ Mal-activity diagrams
☐ UMLsec
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6. What are the main security actions?

- Insert / create
- Select / read
- Change / update
- Remove / delete
7. There exist different access control models besides the role-based access control (RBAC) model. Please write names of at least 2 other access control models