K.G.R.L COLLEGE OF P.G COURSES(A): DEPARTMENT OF MCA

II SEMESTER II MID EXAMINATIONS

# 02201: COMPUTER NETWORKS

Time: 75 Minutes Max.Marks:15M

Date: Time:

# SECTION-A

I.Answer all the Questions

1. (a) Explain about TCP and UDP Protocols

(OR) (1X5=5)

(b)Write about FTP, TFTP, BOOTP, HTTP Protocols?

2. (a) Explain about Bridges, Routers, Gateways, Multiprotocol Routers ?

(OR) (1X5=5)

(b) Explain about Ad-hoc Networks, Mobile Ad-hoc Networks?

# SECTION-B

II.Answer any Two Questions (2X21/2=5M)

3. (a) Network Performance Issues

(b) DNS, SNMP

(c) Firewalls, Proxies

(d) Sensor Networks

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K.G.R.L COLLEGE OF P.G COURSES(A): DEPARTMENT OF MCA

II SEMESTER II MID EXAMINATIONS

# 02202: Object Oriented Programming through JAVA

Time:75 Minutes Max.Marks:15M

Date: Time:

# SECTION-A

1. Answer all the Questions

1. (a) Explain Concepts of Threads?

(OR) (1X5=5)

(b) Define Applet? Explain about Applet Life Cycle?

2. (a) Explain about Event handling?

(OR) (1X5=5)

(b) Explain about Button, Label, Checkbox, Radio buttons, List boxes?

# SECTION-B

II.Answer any Two Questions (2X21/2=5M)

3. (a) Define Suspending and Resuming threads?

(b) Write an Example of Applet Program?

(c) Define Text field and Text area?

(d) Define Components in swings?

K.G.R.L COLLEGE OF P.G COURSES(A): DEPARTMENT OF MCA

II SEMESTER II MID EXAMINATIONS

# 02203: DATABASE MANAGEMENT SYSTEMS

Time:75 Minutes Max.Marks:15M

Date: Time:

# SECTION-A

1. Answer all the Questions
2. (a) Explain about Normal forms based on Primary keys?

(OR) (1X5=5)

(b) Write about Parallelizing Disk Access using RAID Technology?

2. (a) Explain about Algorithms for SELECT and JOIN Operations?

(OR) (1X5=5)

(b) Explain about Concurrency Control Techniques?

# SECTION-B

II.Answer any Two Questions (2X21/ =5M)

2

3. (a) Define Functional Dependences?

(b) Define Buffering Blocks?

(c) Define PROJECT and SET?

(d) Define Transaction Process?

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K.G.R.L COLLEGE OF P.G COURSES (A): DEPARTMENT OF MCA

II SEMESTER II MID EXAMINATIONS

# 02204: FORMAL LANGUAGES & AUTOMATA THEORY

Time:75 Minutes Max.Marks:15M

Date: Time:

SECTION-A

1. Answer all the Questions
2. (a) Write about Design and Techniques for Construction of Turing Machines?

(OR) (1X5=5)

(b) Explain about Universal Turing Machines?

2. (a) Explain about Prepositional Calculus : Introduction – Syntax of the Prepositional

Calculus?

(OR) (1X5=5)

(b) Explain about Un-solvability and NP-Completeness?

SECTION-B

II.Answer any Two Questions (2X21/2=5M)

3. (a) Combining Turing Machines

(b) Post Correspondence Problem

(c) Validity and Satisfiability

(d) Syntax of the Predicate Calculate Calculus

K.G.R.L COLLEGE OF P.G COURSES(A): DEPARTMENT OF MCA

II SEMESTER II MID EXAMINATIONS

02205 DATA MINING CONCEPTS AND TECHNIQUES

Time:75 Minutes Max.Marks:15M

Date: Time:

SECTION-A

1. Answer all the Questions
2. (a) Write about Data Generalization by Attribute-Oriented Induction (AOI)?

(OR) (1X5=5)

(b) Explain about Apriori method, generating Association Rules

1. (a) Explain about Decision Tree Induction, Attribute Selection Measures?

(OR) (1X5=5)

(b) Write about Cluster Analysis, Partitioning Methods?

SECTION-B

II.Answer any Two Questions (2X21/ =5M)

2

3. (a) Mining Frequent Patterns

(b) Mining Closed and Max Patterns

(c) Bayes Classification Methods

(d) DBSCAN and OPTICS

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K.G.R.L COLLEGE OF P.G COURSES(A): DEPARTMENT OF MCA

II SEMESTER II MID EXAMINATIONS

# 02206 ARTIFICIAL INTELLIGENCE AND EXPERT SYSTEMS (Elective-I)

Time:75 Minutes Max.Marks:15M

Date: Time:

SECTION-A

1. Answer all the Questions
2. (a) Write about Forward Vs Backward Reasoning?

(OR) (1X5=5)

(b)Write about DFS, BFS?

2. (a) Explain about Applications and Domains of Expert System?

(OR) (1X5=5)

(b) Explain about Multi-Layer Feed Forward Neural Networks?

SECTION-B

II.Answer any Two Questions (2X21/ =5M)

2

3. (a) Dempster-Shafer Theory

(b) Fuzzy Logic

(c) Semantic Nets

(d) Learning Decision Trees