

**IV B.Tech I Semester Regular Examinations, November 2012**  
**ELECTRICAL DISTRIBUTION SYSTEMS**  
**(Electrical & Electronic Engineering)**

**Time: 3 hours**

**Max Marks: 80**

**Answer any FIVE Questions**  
**All Questions carry equal marks**

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1. Discuss about different load modeling and their characteristics. [16]
2. (a) Discuss the various voltage levels of distribution system.  
(b) Discuss design considerations of distribution feeders. [8+8]
3. Give the relationship between the service areas of the four and six feeder patterns if the feeder circuits are voltage drop limited. [16]
4. (a) Draw and explain typical four - wire multi - grounded common neutral distribution system.  
(b) Derive the condition of load factor for which the voltage drop is maximum. [10+6]
5. What are the different types of over current protective devices and explain their merits and demerits. [16]
6. Explain different types of coordination of protective devices. [16]
7. (a) Justify the importance of power factor correction.  
(b) A 3-phase, 50Hz, 2200V induction motor develops 400H.P at a power factor 0.8 lag and efficiency 90%. The power factor is to be raised to unity by connecting a bank of condensers in delta across supply mains. If each of the capacitance unit built up of 4 similar 550V condensers, calculate the required capacitance of each condenser and its KVA rating. [8+8]
8. (a) Describe different types of equipment for voltage control with neat diagrams.  
(b) What is a line drop compensator? How is it used along with tap changer of transformer for voltage control? [8+8]

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1. (a) Give the classification of loads and draw their characteristics.  
 (b) A load of 100 kW is connected at the riverside substation. The 15 min. weekly maximum demand is given by 75 kW and the weekly energy consumption is 4200kWh. Find the demand factor, the 15 min. weekly load factor of the substation and its associate loss factor. [8+8]
2. What are the various factors that are to be considered in selecting a primary feeder rating? Describe the arrangement with suitable diagram. [16]
3. (a) Compare four and six feeder patterns.  
 (b) Mention the various factors that are to be considered in selecting the location of substation. [10+6]
4. (a) Consider a balanced three phase circuit shown in fig. 4 .  $R + jX$  represent the total impedance of the line. The power factor of the load is  $\cos \theta = \cos (\theta_{VR} - \theta_r)$ . Find the load power factor for which the voltage drop is maximum?  
 (b) Prove the power loss due to load currents in the conductors of the 2 phase, 3 - wire lateral with multi - grounded neutral is approximately 1.64 times larger than the one in the equivalent three phase lateral. Also show that  $VD_{pu,2\Phi} = 2 \times VD_{pu,3\Phi}$ . [6+10]
5. (a) Explain when Maximum faults and Minimum faults occur in distribution system.  
 (b) The per unit positive, negative and zero sequence impedances of a distributed network are 0.08, 0.08 and 0.05 respectively. Determine the fault current for L-L and L-G faults. [10+6]
6. (a) Explain:  
 (i) What is coordination?                      (ii) What is a protecting device?  
 (b) Explain Recloser -Recloser coordination. [8+8]
7. (a) How is economical p.f arrived at for a given distribution system with different loads.  
 (b) Explain shunt capacitors compensation. [8+8]
8. (a) Explain the basic functions of booster transformer and how it increases the line voltage.  
 (b) Describe the operation of AVR/AVB with neat diagram. [8+8]

Code No: M0228/R07

**Set No. 2**

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1. Discuss the characteristics of the following loads:
  - (a) Residential
  - (b) Agricultural
  - (c) Industrial. [16]
2. What is meant by primary feeder loading? Give some of the factors which will affect the design loading of a feeder. [16]
3. (a) A 3 -  $\Phi$ , 4.16kV wye grounded feeder main has 4 copper conductors with an equivalent spacing of 1.0 m between phase conductors and a lagging load power factor of 0.9. Determine the 'k' constant of the main feeder. Let  $r = 1.503\Omega/m$  and  $x=0.7456 \Omega/m$ . Also calculate the percent voltage drop in the main if a lumped sum load of 500 kVA with a lagging p.f. of 0.9 is connected at the end of 1m long feeder main.  
(b) List out the benefits obtained from optimal location of substations. [8+8]
4. A 1- $\Phi$  feeder circuit has total impedance  $(1+j3)$  ohms, receiving end voltage is 11kV and current is  $50\angle -30^\circ$  A. Determine:
  - (a) p.f. of load
  - (b) load p.f. for which the drop is maximum
  - (c) load p.f. for which impedance angle is maximum and derive the formula used. [16]
5. (a) What are the advantages and disadvantages of a circuit recloser.  
(b) Obtain the sequence impedance computed for a L-L and L-G faults. Compare the magnitude of fault current in both cases. [6+10M]
6. (a) Explain Fuse-Fuse coordination.  
(b) Explain Recloser- Circuit breaker coordination. [8+8]
7. (a) Explain the computerized method to determine the economic power factor.  
(b) A feeder supplies an Industrial consumer with a cumulative load:
  - i. Induction Motors totaling 200HP which runs at an average efficiency of 89% and a lagging average p.f. of 0.85.
  - ii. Synchronous motors totaling 100HP with an average efficiency of 85% and

iii. a heating load of 100KW. The Industrial consumer plans to use the synchronous motors to correct its overall power factor.

Determine the required p.f. of the synchronous motors to correct the overall p.f. at peak load to

A. unity

B. 0.95 lag.

[6+10]

8. (a) Explain the use of induction regulator and voltage control.

(b) Discuss the effect of series capacitors on voltage control.

[8+8]

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1. (a) The annual peak load input to a primary feeder is 2MW. The total copper loss at the time of peak load is 0.1MW. The total annual energy supplied to the sending end of the feeder is  $5.61 \times 10^6$  kWh. Determine:
  - i. The annual loss factor
  - ii. The total annual copper loss energy and its value at Rs. 1.5 per kWh. [8](b) Explain the following factors:
  - i. Contribution factor
  - ii. Load diversity
  - iii. Loss factor. [3+3+2]
2. (a) Give a neat sketch of typical primary distribution system and specify parts of it.  
(b) A 3- $\phi$  radial express feeder has a line-to-line voltage of 30 kV at the receiving end, a total impedance of  $(5 + j 11) \Omega$ /phase and a load of 6 Mw with a lagging p.f. of 0.92. Determine the line-to-line voltages at the sending end and the percent voltage regulation of the feeder. [8+8]
3. (a) A 3 -  $\Phi$ , 4.16kV wye grounded feeder main has 4 copper conductors with an equivalent spacing of 1.0 m between phase conductors and a lagging load power factor of 0.9. Determine the 'k' constant of the main feeder. Let  $r = 1.503 \Omega/\text{m}$  and  $x = 0.7456 \Omega/\text{m}$ . Also calculate the percent voltage drop in the main if a lumped sum load of 500 kVA with a lagging p.f. of 0.9 is connected at the end of 1m long feeder main.  
(b) List out the benefits obtained from optimal location of substations. [8+8]
4. (a) Prove the power loss due to load currents in the conductors of the 2-phase, 3 wire lateral with multi-grounded neutral is approximately 1.64 times larger than the one in the equivalent 3-phase lateral.  
(b) Consider the three phase, 3 wire 240V secondary system with balanced loads at A, B and C as shown in figure 4b Determine:

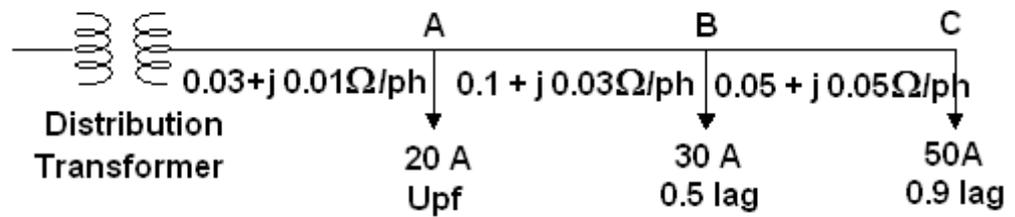


Figure 4b

- i. The voltage drop in one phase of lateral
  - ii. The real power per phase for each load
  - iii. The reactive power per phase for each load. [8+8]
5. Describe the principle of operation of:
- (a) fuses
  - (b) Circuit breakers
  - (c) Line sectionalizer
  - (d) circuit recloser. [4×4]
6. (a) What is the data required for the general coordination procedure?
- (b) Explain Fuse-Recloser coordination procedure. [8+8]
7. (a) Justify the importance of power factor correction.
- (b) What are the different types of p.f improvement capacitors. Discuss their relative advantages and disadvantages. [8+8]
8. (a) Write the various ways to improve the distribution system overall voltage regulation?
- (b) Describe the operation of AVR/AVB with neat diagram. [8+8]

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**IV B.Tech I Semester Regular Examinations, November 2012**  
**POWER PLANT ENGINEERING**  
( Common to Mechanical Engineering and Mechatronics)

**Time: 3 hours**

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1. (a) List out operations and devices used for inplant handling of coal.  
(b) Explain the functions of equipments used for coal preparation. [8+8]
2. (a) Discuss the factors which affect the combustion of coal.  
(b) Briefly describe various ash handling equipments. [8+8]
3. (a) What are the different fields where the use of diesel power plant is essential?  
(b) How do you classify I.C engines? Describe the working of two stroke and four stroke engines. [6+10]
4. Prove that the pressure ratio of a closed cycle for the maximum specific out put is the square root of the pressure ratio for the maximum thermal efficiency. Why low pressure ratio is used in gas turbine? What is the range of it? [16]
5. (a) Depending on the head at which water is available, how the power plants are classified?  
(b) Explain runoff river plants, storage plants, pumped storage plants in hydraulic power plant. [8+8]
6. Explain the working of fuel cell and mention also its advantages. [16]
7. (a) What is a moderator?  
(b) What do you understand by thermal shielding?  
(c) Describe in brief working of pressurized water reactor with a sketch. [4+4+8]
8. (a) Explain the significance of load curve in power generation.  
(b) What is acid rain? Explain acid rain. [8+8]

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1. (a) Explain different types of equipments used for transferring coal.  
(b) List out their advantages and disadvantages. [8+8]
2. (a) What are different types of furnaces in which coal is burnt?  
(b) Differentiate the characteristics of over feed bed furnace and under feed bed furnace. [6+10]
3. (a) What is meant by auto - ignition? Why is excess air always used in a C.I engine?  
(b) Discuss the wet sump lubrication system pertaining to a diesel engine. [8+8]
4. (a) Classify the gas turbines.  
(b) Describe the working of a simple constant pressure open cycle gas turbine plant giving a neat sketch. How does actual cycle different from the theoretical one. [6+10]
5. (a) Depending on the head at which water is available, how the power plants are classified?  
(b) Explain runoff river plants, storage plants, pumped storage plants in hydraulic power plant. [8+8]
6. What central arrangements are used with a wind mill when the speed of wind exceeds the rated speed? Illustrate your answer with a neat sketch. [16]
7. (a) What are the outstanding features of advanced gas cooled reactors over other reactors? When these reactors are preferred?  
(b) How nuclear wastes are disposed? [8+8]
8. (a) What are the main pollutants from a power station? What is meant by air pollution?  
(b) What are the effects of SO<sub>2</sub>, NO<sub>2</sub> and hydrocarbons on human and vegetation? [8+8]

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1. What do you understand by 'output - handling of coal'? What are the different methods of output coal handling. Discuss their relative merits and demerits. [16]
2. (a) Discuss the different impurities present in water.  
(b) Explain the effects of these impurities on the boiler performance. [8+8]
3. Draw a neat diagram of a cooling system used for diesel power plant showing all the essential components. What are the advantages of double circuit over circuit. [16]
4. (a) What are the effects on the thermal efficiency and specific output of gas turbine plant of the following factors.
  - i. Load on the plant
  - ii. Pressure ratio
  - iii. Turbine inlet temperature
  - iv. Compressor inlet temperature(b) What are the advantages and disadvantages of gas turbine power plant?[10+6]
5. (a) Explain with a diagram pumped storage plant.  
(b) What is a surge tank? Explain with a diagram inclined surge tank. [8+8]
6. (a) What is fuel cell?  
(b) Explain hydrogen-oxygen cell.
7. (a) What factors control the selection of a particular type of reactor.  
(b) Explain boiling water reactor with a neat diagram. [8+8]
8. Write short notes on the following :
  - (a) Load curves
  - (b) Arrangement of power distribution
  - (c) Load duration curve
  - (d) Effluents from power plant. [16]

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1. (a) Write a short notes on indian coals.  
(b) Explain the working of different water washing systems used to clean with neat sketches. [6+10]
  
2. (a) What are the advantages of pulverised coal?  
(b) Explain the working of Ball and Race mills. [6+10]
  
3. (a) Discuss relative merits and demerits of two storke and four storke engine.  
(b) Draw a line diagram of a diesel power plant showing all the systems. [6+10]
  
4. A gas turbine plant of 800 kw capacity takes the air at 1.01 bar and 15<sup>0</sup>C. The pressure ratio of the cycle is 6 and maximum temperature is limited to 700<sup>0</sup>C. A regenerator of 75% effectiveness is added in the plant to increase the over all efficiency of the plant. The pressure drop in the combustion chamber is 0.15 bar as well as in the generator is also 0.15 bar. Assuming the isentropic efficiency of the compressor 80% and of the turbine 85%, determine the plant thermal efficiency. [16]
  
5. What are the factors considered in selecting a prime-mover for a hydro electric power plant? [16]
  
6. (a) Explain the basic principle of Thermoelectric power generation.  
(b) Define the figure of merit and show its effect on the efficiency of the thermo-electric power plant taking source temperature as a parameter. [8+8]
  
7. (a) Discuss the factors which go in favour of nuclear power plant as compare to other types of power plants.  
(b) Describe pressurized water reactor with diagram. [8+8]
  
8. (a) A power plant has the installed capacity of 125MW. Calculate the cost of generation, if Capital cost = Rs.  $100 \times 10^6$ , rate of interest and depreciation =16% Annual cost of fuel oil, salaries and taxation= Rs.  $25 \times 10^6$  , load factor=40%  
(b) Explain the pollution due to nuclear power plant. [10+6]

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1. (a) "Although wireless networking and mobile computing are often related, they are not identical". Justify the statement.  
(b) With suitable examples compare point-to-point channels and broadcast channels? [8+8]
2. (a) Television channels are 6MHz wide. How many bits/sec can be sent if four level digital signals are used? Assume a noiseless channel  
(b) How does a virtual circuit differ from a physical circuit? What advantages would a virtual circuit provide? [8+8]
3. (a) Discuss the error control technique which is commonly used in data network. What value of N is used in go-back-N ARQ technique used in ARPANET and why?  
(b) Imagine that you are writing the data link software for a line used to send data to you, but not from you. The other end uses HDLC, with a 3-bit sequence number and a window size of seven frames. You would like to buffer as many out of sequence frames as possible to enhance efficiency, but you are not allowed to modify the software on the sending side. Is it possible to have a receiver window greater than one, and still guarantee that the protocol will never fail? If so, what is the largest window that can be safely used? [8+8]
4. (a) What is the prime difference between a token bus and a token ring?  
(b) A large population of ALOHA users manages to generate 50 requests/sec, including both originals and retransmissions. Time is slotted in the units of 40 msec.
  - i. What is the chance of success on the first attempt?
  - ii. What is the probability of exactly k collisions and then a success?
  - iii. What is the expected number of transmission attempts needed? [4+12]
5. Define Adaptive and Non-Adaptive routing. Classify the routing algorithms in to adaptive and non adaptive type with suitable justifications. [16]
6. (a) Explain Load shedding for congestion control.  
(b) What is Jitter? Why it is important to control jitter for Audio and Video applications? How Jitter is controlled? [6+10]

Code No: N0421/R07

**Set No. 1**

7. (a) What are the different flags in TCP segment? Explain each of them.  
(b) How TCP uses sliding window to achieve flow control? [10+6]
8. (a) How POP works? What are the advantages of IMAP over POP?  
(b) What is the role played by message transfer agent? Explain. [6+10]

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1. (a) Define the following terms:
  - i. Computer Network
  - ii. Peer process
  - iii. Protocol
  - iv. Interface.(b) Discuss various network applications and goals in detail. [8+8]
2. (a) How much bandwidth is there in 0.1 micron of spectrum at a wavelength of 1 micron?  
(b) Give the format of ATM cell? Why ATM uses cell switching? [8+8]
3. (a) A channel has a bit rate of 4 kbps and a propagation delay of 20 msec. For what range of frame sizes does stop-and-wait give an efficiency of atleast 50 percent?  
(b) Discuss about the various types of frames in HDLC protocol? [8+8]
4. (a) What is the prime difference between a token bus and a token ring?  
(b) A large population of ALOHA users manages to generate 50 requests/sec, including both originals and retransmissions. Time is slotted in the units of 40 msec.
  - i. What is the chance of success on the first attempt?
  - ii. What is the probability of exactly k collisions and then a success?
  - iii. What is the expected number of transmission attempts needed? [4+12]
5. (a) Network layer can provide either connection oriented service or connection less service. Which one you prefer. Justify your answer.  
(b) Define Virtual circuit and Datagram. Compare Virtual circuit subnet with Datagram Subnet.  
(c) Is Virtual circuit same as Physical connection. Comment. [5+8+3]
6. Explain in detail
  - (a) OSPF and
  - (b) BGP. [8+8]

7. (a) Assume Audio or Video being played On-line. In such situations retransmitted packet is equivalent to packet lost. Which transport protocols is suitable for such situations. Justify your selection.
- (b) For File transfer which transport protocol is preferred & why?
- (c) Why TCP uses cumulative acknowledgement policy? [6+5+5]
8. (a) Why DNS uses distributed data bases?
- (b) How do you make web pages dynamic?
- (c) What is the functionality that is supported by user agent? [5+6+5]

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1. (a) Make a technical comparison between OSI & TCP/IP reference model.  
(b) "Novell Netware looks more like TCP/IP than like OSI". Justify. [8+8]
2. (a) Discuss various channels supported by ISDN bit pipe?  
(b) Differentiate between virtual circuits and circuit switching? [8+8]
3. (a) Discuss about point-to-point protocol?  
(b) Discuss about various framing techniques? Mention their advantages and disadvantages? [8+8]
4. (a) Explain in detail binary count down collision free protocol?  
(b) Give the detailed description of 802.3 frame format? [8+8]
5. What are the limitations of using Distance vector routing in mobile networks. Suggest ways of adapting Distance vector routing to mobile networks. [16]
6. What is fragmentation? Why fragmentation is required? What are the two strategies for recombining the fragments? Compare them. [16]
7. (a) ) To get around the problem of sequence numbers wrapping around while old packets still exist, one could use 64-bit sequence numbers. However, theoretically, an optical fiber can run at 75 Tbps. What maximum packet lifetime is required to make sure that future 75 Tbps networks do not have wraparound problems even with 64-bit sequence numbers? Assume that each byte has its own sequence number, as TCP does.  
(b) For a 1-Gbps network operating over 4000 km, the delay is the limiting factor, not the bandwidth. Consider a MAN with the average source and destination 20 km apart. At what data rate does the round-trip delay due to the speed of light equal the transmission delay for a 1-KB packet? [8+8]
8. (a) Why DNS uses distributed data bases?  
(b) How do you make web pages dynamic?  
(c) What is the functionality that is supported by user agent? [5+6+5]

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1. (a) Compare point-to-point channels with broadcast channels along with suitable examples?  
(b) A collection of five routers is to be collected in a point-to-point subnet. Between each pair of routers, the designers may put a high speed line, a medium-speed line, a low-speed line, or no line. If it takes 100ms of computer time to generate and inspect each topology, how long will it take to inspect all of them to find the one that best matches the expected load? [8+8]
2. (a) What is the need for analog amplifiers in broad band system? What is the problem with analog amplifiers? How to overcome that problem in broad band systems?  
(b) Differentiate between input queuing and output queuing at an ATM switch? [8+8]
3. (a) Explain one-bit sliding window protocol. Give the advantages and disadvantages of one-bit sliding window protocol?  
(b) Discuss the services provided by the data link layer to the network layer? [8+8]
4. (a) Compare the five different types of cabling (Ethernet )  
(b) A 1-km long, 10-Mbps CSMA/CD LAN (not 802.3) has a propagation speed of 200 m/ $\mu$ sec. Data frames are 256 bits long, including 32 bits of header, checksum, and other overhead. The first bit slot after a successful transmission is reserved for the receiver to capture the channel to send a 32-bit acknowledgment frame. What is the effective data rate, excluding overhead, assuming that there are no collisions? [8+8]
5. What are the services provided by Network layer to Transport layer. Explain. [16]
6. Explain routing in mobile hosts. [16]
7. (a) Explain the transport primitives.  
(b) Imagine that a two-way handshake rather than a three-way handshake were used to set up connections. In other words, the third message was not required. Are deadlocks now possible? Give an example or show that none exist. [8+8]

Code No: N0421/R07

**Set No. 4**

8. (a) With the help of diagram explain the encryption model.  
(b) What is the role of key secrecy and algorithm secrecy in security?  
(c) What are the approaches for cryptanalysis? [8+4+4]

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**IV B.Tech I Semester Regular Examinations, November 2012**  
**MULTIMEDIA AND APPLICATION DEVELOPMENT**  
**( Common to Computer Science & Engineering, Information Technology**  
**and Computer Science & Systems Engineering)**

**Time: 3 hours**

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1. (a) Write briefly about Extensible Markup Language.  
(b) Write about Synchronized Multimedia Markup language. [8+8]
2. (a) Explain all three phases in compression scheme.  
(b) Explain pulse code modulation in speech compression. [6+10]
3. Write a program in ACTION SCRIPT to display a triangle by taking input as base and height. [16]
4. What is inheritance? Give an example program for inheritance in AS. [16]
5. (a) Explain about the document timeline.  
(b) Explain about movie clip subclasses. [8+8]
6. (a) What are the advantages of Adaptive Huffman coding compared to the original Huffman coding algorithm?  
(b) Describe 2D-Discrete wavelet transform. [8+8]
7. (a) Explain motion compensation in MPEG-1?  
(b) Compare MELP (Multi band excitation) with LPC (linear Predictive coding) speech compression? [8+8]
8. (a) Write short notes on resource reservation protocol (RSVP)?  
(b) Explain about transport of MPEG-4? [8+8]

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1. Explain the following image data types
  - (a) 24 - Bit color Images
  - (b) 8 - Bit color Images [8+8]
2. Write about PCM signal encoding and decoding. [16]
3. Write different problems that can arise when a type is casting to
  - (a) String
  - (b) Number
  - (c) Date
  - (d) Array. [4+4+4+4]
4. Write a program in Action Script by considering square as super class and cube as sub class of square by considering necessary properties and methods. [16]
5.
  - (a) Explain about avatar class instance methods and explain one method with example.
  - (b) Explain about the class constructor.
  - (c) Explain about currency converter application overview. [6+5+5]
6.
  - (a) Discuss about RLC?
  - (b) Write short notes on the idea behind vector quantization?
  - (c) Write a short notes on lossless JPEG? [5+5+6]
7.
  - (a) What is the major motivation behind the development of MPEG-7? Give three examples of real world application that may benefit from MPEG-7?
  - (b) Compare MPEG-1 with MPEG-2? [8+8]
8.
  - (a) Draw the block diagram for network protocol structure for internet telephone and the Advantages?
  - (b) Compare OSI and TCP/IP protocol architectures? [8+8]

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**Time: 3 hours**

**Max Marks: 80**

**Answer any FIVE Questions**  
**All Questions carry equal marks**

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1. (a) Write the difference between YUV color model with YIQ color model.  
(b) Suppose images are not gamma corrected by a camcorder. Generally, how they would appear on the screen? [8+8]
  
2. Briefly explain the following:
  - (a) Chroma signal
  - (b) Quadrature signal
  - (c) How Q signal can extracted from the NTSC chroma signal. [5+5+6]
  
3. (a) Write about static checking. Give examples  
(b) Consider the following ACTION SCRIPT 1.0 code  
**var a = 5 ;**  
**a = “ Hello World” ;**  
Comment on above program. [10+6]
  
4. (a) What is the need for finally block in exception handling?  
(b) Explain flow of control when you have finally block in exception handling mechanism. [8+8]
  
5. (a) Explain about How to Initializing avatar instances.  
(b) How to creating the user interfaces explain.  
(c) Explain about the combo box component. [6+5+5]
  
6. (a) Compare zero tree data structure with successive approximation quantization.  
(b) Explain about LZW compression and decompression. [8+8]
  
7. (a) What is MPEG-7 ? Explain about Description Schemes of MPEG-7?  
(b) What was padding introduced in MPEG-4 VOP-based Coding? Name some Potential problems of padding. [8+8]
  
8. (a) Compare OSI with TCP/IP Reference Model?  
(b) What is the main idea behind RTSP (Real Time Streaming Protocol)? [8+8]

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**IV B.Tech I Semester Regular Examinations, November 2012**  
**MULTIMEDIA AND APPLICATION DEVELOPMENT**  
**( Common to Computer Science & Engineering, Information Technology**  
**and Computer Science & Systems Engineering)**

**Time: 3 hours**

**Max Marks: 80**

**Answer any FIVE Questions**  
**All Questions carry equal marks**

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1. What is the simplest way to quantize an 8 bit gray scale image down to just 2 bits of accuracy? Explain. [16]
  
2. (a) Explain the following:
  - i. Sampling frequency
  - ii. Alias frequency.(b) The sampling frequency is 1.5 times the true frequency. What is the alias frequency? [5+5+6]
  
3. Write about the following methods in ImageViewer class.
  - (a) `loadImage( )`
  - (b) `setImageClip( )`
  - (c) `setTargetClip( )`
  - (d) `setTargetClip( )` . [4+4+4+4]
  
4. (a) Write disadvantages of nested exceptions.  
(b) Write a small notes on exception performance issues. [10+6]
  
5. (a) Explain about the exported flash movie.  
(b) Explain how to handling component events.  
(c) Explain about avatar symbol movie clip. [5+6+5]
  
6. (a) Explain in Detail about variable length coding.  
(b) Discuss why we go for transform coding. [12+4]
  
7. Explain about
  - (a) Channel Vocoder
  - (b) Static texture coding. [8+8]
  
8. (a) Write the parameters of quality of service?  
(b) Write short notes on MBone (The Internet Multicast Backbone). [8+8]

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