Bharathi CSE mam

Geethanjali College of Engineering & Technology

(Autonomous)

approved by AICTE, New Delhi and Affiliated to JNTUH, Hyderabad and Accredited by NBA,
Sy. No. 33 & 34, Cheeryal (V), Keesara (M), Ranga Reddy District, (T. S.) – 501 301.

EXAMINATION BRANCH

Date: 29.01.2019

To
The Head of the Department
Department of CE / EEE / ME / ECE / CSE

IV Year B.Tech (JNTUH) – II Semester I Mid Examinations will be commencing from **18th Feb, 2019**. In this connection, I request you to arrange to send question papers (Both subjective and objective) for each course, handled by year dept- by mail to coe.gcet@gmail.com on or before **11th Feb, 2019** after proper scrutiny.

The paper should be sent by the concerned HOD only.

29/1
Controller of Examinations (JNTUH)

→ J. Bharathi
→ For circulation among faculty
→ whatsapp

HEC

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Cheeryal (V), Keesara (M), Medchal Dist. (T.S.) - 501 301

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
KUKATPALLY - HYDERABAD – 500 085
EXAMINATIONBRANCH
IV YEAR B.TECH-II SEMESTER–R15 REGULATION-I MID TERM EXAMINATIONS FEBRUARY-2019
TIME TABLE

TIME→ FN: 10.00 AM TO 11.30 AM
AN: 02.00 PM TO 03.30 PM

BRANCH	18-02-2019 FN MONDAY	18-02-2019 AN MONDAY	19-02-2019 FN TUESDAY	19-02-2019 AN TUESDAY	20-02-2019 FN WEDNESDAY
MECHANICAL ENGINEERING (03-ME)	Production Planning and Control (Common to ME, MECT)	Artificial Neural Networks (Common to ME,MECT,MSNT)	Computational fluid dynamics (Common to ME,MSNT)	Plant layout and Material Handling (Common to ME,AME)	----
		Maintenance and Safety Engineering (Common to ME, AME, MSNT)	Gas Dynamics		
		Total Quality Management	Jet Propulsion & Rocket Engineering		
			Renewable Energy Sources (Common to ME, AME, MSNT)		
ELECTRONICS AND COMMUNICATION ENGINEERING (04-ECE)	Artificial Neural Networks	Network Security (Common to ECE, ETM)	Digital signal processors and architectures	Wireless cornmunications and networks (Common to ECE, ETM)	----
	Biomedical Instrumentation	Radar Systems (Common to ECE, ETM)	RF Circuit Design (Common to ECE, ETM)		
	Satellite Communications (Common to ECE, ETM)	Telecommunication Switching Systems and Networks			

DATE:04-02-2019

→ Notice Board

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HOD

Geethanjali College of Engineering and Technology, Cheeryal, Keesara (M), Medchal district, TS.

Checklist for Evaluation of Question Paper by Department Committee

Course Code: A80452

Course Title: Satellite Communications

Name of the Course Instructor: Dr. V Satya Srinivas

S. No.	Parameter/Attribute	Evaluation	Remarks, if any
1	Was weightage given uniformly to the content? (Yes/No)	yes	
2	Are there any Analytical questions? (Yes/No). If yes, % of marks for these questions	yes	30%.
3	Are there any questions involving design aspects? (Yes / No). If yes, % of marks for	yes	30%.
4	Please list Course outcomes covered	CO1, CO2, CO3 & CO4	
5	Please list Program outcomes covered	PO1, PO2 & PO4	
6	Please indicate complexity of the questions on a scale of 1 - 5 (5 Highest)	3 and 4	
7	Please indicate estimate of approximate time required for answering all questions	60 mins.	
8	Please mention number of levels of Bloom's taxonomy the question paper covers? List the levels covered.	BTL1, 2, 3 and 4	
9	Does the question paper contain discriminating power (Distinguishing the bright and the average student) Yes / No	yes.	
10	Are the questions specific and precise thereby limiting the scope of the answer to a large extent? (Yes / No)	yes	

Name and signature of Evaluator 1: Dr. S. Surya Narayana

Name and signature of Evaluator 2:

Name and signature of Evaluator 3:

Name and signature of Course Coordinator: Dr. V. Satya Srinivas

Name and signature of Program Coordinator:

Name and signature of Head of the department:

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GEETHANJALI COLLEGE OF ENGINEERING AND TECHNOLOGY

(Autonomous) Cheeryal (V), Keesara (M), Medchal(D)

Department of Electronics and Communication Engineering

Minutes of the meeting of Internal question paper evaluation committee (IQPEC)

Roles and responsibilities of IQPEC:-

1. Collecting MID question papers 10 days before commencement of examinations.
2. 4 different sets for each course to be forwarded to gceteceqp@gmail.com by concerned course coordinators.
3. IQPEC should verify the weightage, design aspects according to the course structure.
4. IQPEC should verify the course outcomes and program outcomes along with the Bloom's taxonomy levels.
5. IQPEC should estimate the approximate time required to the students to answer the questions. There by limiting the scope of the answer to a large extent.
6. IQPEC should see that the question paper contains the discriminating power such that both bright & average student can answer the questions.
7. IQPEC should check the question paper format as per the GCET exam branch template.
8. IQPEC should send the scrutinized papers to controller of examinations of GCET.
9. IQPEC files copy of the selected question paper on the day of the examination & scrutiny sheets as a record.
10. The template for scrutiny of question paper to be used is given in annexure-I.

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Checklist for Evaluation of Question Paper by Department Committee

Course Code: 20EE1101
Course Title: BEE
Name of the Course Instructor: N: Bheemaiah

S. No.	Parameter/Attribute	Evaluation	Remarks, if any
1	Was weightage given uniformly to the content? (Yes/No)	Yes	
2	Are there any Analytical questions? (Yes/No). If yes, % of marks for these questions	15%	
3	Are there any questions involving design aspects? (Yes / No). If yes, % of marks for these questions	No	
4	Please list Course outcomes covered	CO3, CO4, CO5	
5	Please list Program outcomes covered	PO1, PO2, PO11, PO12	
6	Please indicate complexity of the questions on a scale of 1 - 5 (5 Highest)		
7	Please indicate estimate of approximate time required for answering all questions	100mnts	
8	Please mention number of levels of Bloom's taxonomy the question paper covers? List the levels covered.	BTL1, BTL2, BTL3, BTL4	
9	Does the question paper contain discriminating power (Distinguishing the bright and the average student) Yes / No	Yes	
10	Are the questions specific and precise thereby limiting the scope of the answer to a large extent? (Yes / No)	Yes	

Name and signature of Evaluator 1:

Name and signature of Evaluator 2: Dr. M. Aruna Bharathi M. Aruna Bharathi

Name and signature of Evaluator 3: Dr. B. Madhuri

Name and signature of Course Coordinator: Mr. N. Bheemaiah - Bheemaiah

Name and signature of Program Coordinator: ~~N. Bheemaiah~~ ~~N. Bheemaiah~~

Name and signature of Head of the department: Dr. D. Radhika D. Radhika

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EXHIBIT: 4.1. Checklist for Evaluation of Question Paper by Department Committee

Course Code: 16EE3103.

Course Title: EM-II

Name of the Course Instructor: Dr. M. Aruna Bharathi, V. Rakesh.

S. No.	Parameter/Attribute	Evaluation	Remarks, if any
1	Was weightage given uniformly to the content? (Yes/No)	Yes	
2	Are there any Analytical questions? (Yes/No). If yes, % of marks for these questions	30%	
3	Are there any questions involving design aspects? (Yes / No). If yes, % of marks for these question these questions	NIL.	
4	Please list Course outcomes covered	CO3, CO4, CO5	
5	Please list Program outcomes covered		
6	Please indicate complexity of the questions on a scale of 1 - 5 (5 Highest)	3	
7	Please indicate estimate of approximate time required for answering all questions	100 minutes.	
8	Please mention number of levels of Bloom's taxonomy the question paper covers? List the levels covered.	BTL-1, BTL-2 BTL-3	
9	Does the question paper contain discriminating power (Distinguishing the bright and the average student) Yes / No	Yes	
10	Are the questions specific and precise thereby limiting the scope of the answer to a large extent? (Yes / No)	Yes	

Name and signature of Evaluator 1: Dr. S. T. Rajendra

Name and signature of Evaluator 2:

Name and signature of Evaluator 3: N V Bharadwaj

Name and signature of Course Coordinator: Dr. M. Aruna Bharathi. V. Rakesh

Name and signature of Head of the department:

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Checklist for Evaluation of Question Paper by Department Committee

Course Code: A80234

Course Title: RES

Name of the Course Instructor: M. Gouse Basha.

S. No.	Parameter/Attribute	Evaluation	Remarks, if any
1	Weightage given uniformly to the content? (Yes/No)	Yes.	
2	Analytical questions if any? (Yes/No). % of marks for this.	No	
3	Design questions if any? (Yes/No). % of marks for this.	No	
4	List Course outcomes covered	CO3, CO4, CO5	
5	List Program outcomes covered	PO1, PO2	
6	Complexity of the questions on a scale of 1 - 5 (5 Highest)	3.	
7	Time required for answering all questions	60 minutes.	
8	Number of levels of Bloom's taxonomy the question paper covers? List the levels covered.	BTL2	
9	Does the question paper contain discriminating power (Distinguishing the bright and the average student) Yes / No	Yes	
10	Are the questions specific and precise thereby limiting the scope of the answer? (Yes / No)	Yes.	

Name and signature of Evaluator 1: _____

Name and signature of Evaluator 2: _____

Name and signature of Evaluator 3: N. V. Bharadwaj

Name and signature of Course Coordinator: _____

Name and signature of Program Coordinator: _____

Name and signature of Head of the department:

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Checklist for Evaluation of Question Paper by Department Committee

Course Code: A60223

Course Title: EEI

Name of the Course Instructor: Soumi Datta

S No.	Parameter/Attribute	Evaluation done	Remarks, if any
1	Weightage given uniformly to the content (Yes/No)	Yes	
2	Analytical questions, if any? % of marks for this	10%	
3	Design questions, if any? % of marks for this	10%	
4	List Course outcomes covered	CO1, CO2, CO3	
5	List Program outcomes covered	PO1 - PO5	
6	Complexity of the questions on a scale of 1 - 5 (5 Highest)	3	
7	Time required for answering all questions	60 min	
8	Number of levels of Bloom's taxonomy question paper covers? List the levels covered.	1, 2, 4, 5	
9	Does the question paper contain discriminating power (Distinguishing the bright and the average student) Yes / No)	Yes	
10	Are the questions specific and precise thereby limiting the scope of the answer? (Yes / No)	Yes	

Name and signature of Evaluator 1: Dr. Aruna Bharathi M. Aruna Bharathi

Name and signature of Evaluator 2: K. Mahender - Mahender

Name and signature of Evaluator 3: Dr. P. Harish Harish

Name and signature of Course Coordinator: SDL

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Name and signature of [illegible] of the department:

HYDRAULICS AND HYDRAULIC MACHINERY

Course Outcomes: At the end of the course, student would be able to

CO1: Design the most economical channel section using Chezy's and Manning's formulae.

CO2: Compute flow profiles in channel transitions and provide suitable energy dissipaters.

CO3: Analyze the relationship between the model and prototype of hydraulic structures.

CO4: Calculate efficiency for different types of turbines, centrifugal pumps and reciprocating pumps.

CO5: Explain basic principles in establishing hydropower plants.

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Checklist for Evaluation of Question Paper by Department Committee

Course Code: 16CE2204

Course Title: HYDRAULICS & HYDRAULIC MACHINERY (Set-1)

Name of the Course Instructor: K. DIVYA

S. No.	Parameter/Attribute	Evaluation	Remarks, if any
1	Was weightage given uniformly to the content? (Yes/No)	Yes	
2	Are there any Analytical questions? (Yes/No). If yes, % of marks for these questions	Yes (35%)	
3	Are there any questions involving design aspects? (Yes / No). If yes, % of marks for	NO	
4	Please list Course outcomes covered	CO: 1, 2, 3, 4	
5	Please list Program outcomes covered	PO: 1, 2, 3, 4, 9, 10, 12	
6	Please indicate complexity of the questions on a scale of 1 - 5 (5 Highest)	1, 2, 3, 4	
7	Please indicate estimate of approximate time required for answering all questions	2 hrs	
8	Please mention number of levels of Bloom's taxonomy the question paper covers? List the levels covered.	BTL 1, 2, 3	
9	Does the question paper contain discriminating power (Distinguishing the bright and the average student) Yes / No	Yes	
10	Are the questions specific and precise thereby limiting the scope of the answer to a large extent? (Yes / No)	Yes	

Name and signature of Evaluator 1: [signature]

Name and signature of Evaluator 2: [signature]

Name and signature of Evaluator 3:

Name and signature of Course Coordinator: K. Divya (K. DIVYA)

Name and signature of Program Coordinator: S. Hari Kiran [signature]

Name and signature of Head of the department:

External member : [signature]

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Checklist for Evaluation of Question Paper by Department Committee

Course Code: 16CE2304

Course Title: HYDRAULICS & HYDRAULIC MACHINERY (Set-2)

Name of the Course Instructor: K. Divya

S. No.	Parameter/Attribute	Evaluation	Remarks, if any
1	Was weightage given uniformly to the content? (Yes/No)	Yes	
2	Are there any Analytical questions? (Yes/No). If yes, % of marks for these questions	Yes (40%)	
3	Are there any questions involving design aspects? (Yes / No). If yes, % of marks for	NO	
4	Please list Course outcomes covered	1, 2, 3, 4	
5	Please list Program outcomes covered	PO: 1, 2, 3, 4, 9, 10, 12	
6	Please indicate complexity of the questions on a scale of 1 - 5 (5 Highest)	1, 2, 3, 4	
7	Please indicate estimate of approximate time required for answering all questions	2 hrs	
8	Please mention number of levels of Bloom's taxonomy the question paper covers? List the levels covered.	1, 2, 3, 4	
9	Does the question paper contain discriminating power (Distinguishing the bright and the average student) Yes / No	Yes	
10	Are the questions specific and precise thereby limiting the scope of the answer to a large extent? (Yes / No)	Yes	

Name and signature of Evaluator 1: [signature]

Name and signature of Evaluator 2: [signature]

Name and signature of Evaluator 3:

Name and signature of Course Coordinator: K.Divya (K. DIVYA)

Name and signature of Program Coordinator: S. Hari Kiran [signature]

Name and signature of Head of the department:

External member : [signature]

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MINUTES OF THE DEPARTMENT ASSESSMENT COMMITTEE MEETING

MID-I

VENUE : CIVIL STAFF ROOM

DATE : 04.02.2019

TIME : 11:00 A.M

MEMBERS : Subject Experts: Dr. K.R.C Reddy, Mr. V. Abdul Raffi

Course Coordinator:

AGENDA: Evaluation of II B. Tech II Semester HYDRAULICS & HYDRAULIC MACHINERY Mid –I, 2-Sets of

Question papers (Subjective and Objective)

The meeting commenced at 12:00 PM.

- The members agreed that the question papers covering the syllabus up to 2.5 units.
- The members checked and approved that the question papers are as per the Bloom's taxonomy.
- The members verified that the two sets of the questions papers are designed to reach the course and program outcomes.

The meeting ended at 12:00 PM.

S.No	Name of the member	Signature
1.	Dr. K.R.C Reddy	
2.	Mr. V. Abdul Raffi	
3.	Dr. G. Neeraja Rani (External member)	

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[illegible]22204

[illegible]anjali College of Engineering and Technology, Hyderabad (Autonomous) **Set 1**

DEPARTMENT OF CIVIL ENGINEERING

II B.Tech, II Semester I Mid-Term Examinations, Feb 2019

HYDRAULICS & HYDRAULIC MACHINERY

[illegible] 100 Min **Max. Marks: 15**

[illegible] Answer All Questions. **(3 x 5 = 15)**

1. **(a)** List the conditions for economical trapezoidal channel section. **[2M] [CO 1]]BTL 1]**

   (b) An open channel of most economical section having a form of half hexagon with horizontal bottom is required to give a maximum discharge of 20 m^3/s of water. The slope of the channel bottom is 1 in 2500. Take Chezy's constant, C = 60. Determine the dimensions of the section. **[3M] [CO 1] [BTL 3]**

(OR)

2. **(a)** Derive expressions for critical depth, critical velocity. Also derive condition for minimum specific energy in terms of critical depth. **[3M] [CO 2] [BTL 2]**

   (b) Differentiate between: (i) Uniform and Non-uniform flow (ii) Critical, sub-critical and super critical flow (iii) Laminar & turbulent flow. **[2M] [CO 1] [BTL 2]**

3. **(a)** Derive the Dynamic equation of gradually varied flow. **[5M] [CO 1] [BTL 2]**

(OR)

4. **(a)** If a trapezoidal channel having a bottom width 8m and side slope 1:1, carries a discharge of 80 m^3/s, find the depth conjugate to the initial depth 0.75m before the jump and determine loss of energy in jump. **[3M] [CO 1] [BTL 3]**

   (b) What are dimensionless numbers? Name and discuss the dimensionless numbers with formulae used in fluid flow problems **[2M] [CO 3] [BTL 1]**

5. Obtain an expression for the force exerted by a jet of water on an inclined stationary plate in the direction of jet and perpendicular to the flow with the help of sketch. **[5M] [CO 4] [BTL 3]**

(OR)

6. A jet of diameter 50mm moving with a velocity of 25m/s impinges on a fixed curved plate tangentially at one end at an angle of 30° to the horizontal. Calculate the resultant force of the jet on the plate if the jet is deflected through an angle of 50°. Take g = $10m/s^2$ **[5M] [CO 4] [BTL 3]**

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Code No: 16CE2204 Set 2

Geethanjali College of Engineering and Technology, Hyderabad (Autonomous)
DEPARTMENT OF CIVIL ENGINEERING
II B.Tech, II Semester I Mid-Term Examinations, Feb 2019
HYDRAULICS & HYDRAULIC MACHINERY

Time: 100 Min **Max. Marks: 15**
Note: Answer All Questions. **(3 x 5 = 15)**

1. **(a)** The discharge of water through a rectangular channel of width 8m, is 15 m^3/s when depth of flow of water is 1.2m. Calculate: (i) Specific energy of the flowing water (ii) Critical depth and critical velocity (iii) Value of minimum specific energy **[3M] [CO 1] [BTL 3]**

   (b) What are the empirical formulae used for determining the value of Chezy's constant? Explain with formulae. **[2M] [CO 1]]BTL 1]**

(OR)

2. Establish a relationship for the depth of flow (d) and diameter (D) of circular channel for maximum discharge. **[5M] [CO 1] [BTL 3]**
3. Explain different surface profiles with the help of neat sketches. **[5M] [CO 2] [BTL 3]**

(OR)

4. **(a)** The resisting force R of a supersonic plane during flight can be considered as dependent upon the length of the aircraft l, velocity V, air viscosity μ, air density ρ and bulk modulus of air K. Using Rayleigh's method express the functional relationship between these variables and the resisting force. **[3M] [CO 3] [BTL 3]**

   (b) Define Surge in an open channel and explain with sketches the types of surges and its applications. **[2M] [CO 2] [BTL 1]**

5. **(a)** A nozzle of 50mm diameter delivers a stream of water at 20m/s perpendicular to a plate that moves away from the jet at 5m/s. Find: (i) The force on the plate (ii) Work done (iii) Efficiency of the jet **[3M] [CO 4] [BTL 3]**

   (b) A jet of water of diameter 50mm moving with a velocity of 40m/s, strikes a curved fixed symmetrical plate at the centre. Find the force exerted by the jet of water in the direction of the jet, if the jet deflected through an angle of 120° at the outlet of the curved plate. **[2M] [CO 4] [BTL 3]**

(OR)

6. **(a)** Water is flowing through a pipe at the end of which a nozzle is fitted. The diameter of the nozzle is 100mm and the head of water at the centre of nozzle is 100m. Find the

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force exerted by the jet of water on a fixed vertical plate. The coefficient of velocity is given as 0.95. **[2M] [CO 4] [BTL 3]**

(b) Obtain an expression for the force exerted by a jet on the flat vertical moving plate in the direction of jet with the help of neat sketch. **[3M] [CO 4] [BTL 3]**

Code No: 16CE2204 Set 1

Geethanjali College of Engineering and Technology, Hyderabad (Autonomous)
DEPARTMENT OF CIVIL ENGINEERING
II B.Tech, II Semester I Mid-Term Examinations, Feb 2019
HYDRAULICS & HYDRAULIC MACHINERY

Time: 100 Min **Max. Marks: 15**

Note: Answer All Questions. **(3 x 5 = 15)**

1. **(a)** Give conditions for economical trapezoidal channel section. **[2M] [CO 1]]BTL 1]**

   (b) An open channel of most economical section having a form of half hexagon with horizontal bottom is required to give a maximum discharge of 20 m^3/s of water. The slope of the channel bottom is 1 in 2500. Take Chezy's constant, C = 60. Determine the dimensions of the section. **[3M] [CO 1] [BTL 3]**

(OR)

2. **(a)** Derive expressions for critical depth, critical velocity. Also derive condition for minimum specific energy in terms of critical depth. **[3M] [CO 2] [BTL 1]**

   (b) Differentiate between: (i) Uniform and Non-uniform flow (ii) Critical, sub-critical and super critical flow (iii) Laminar & turbulent flow. **[2M] [CO 1] [BTL 1]**

3. **(a)** Derive the Dynamic equation of Gradually varied flow. **[5M] [CO 1] [BTL 1]**

(OR)

4. **(a)** If a trapezoidal channel having a bottom width 8m & side slope 1:1, carries a discharge of 80 m^3/s, find the depth conjugate to the initial depth 0.75m before the jump? Also determine loss of energy in jump. **[3M] [CO 1] [BTL 3]**

   (b) What are dimensionless numbers? Name and discuss the dimensionless numbers with formulae used in fluid flow problems? **[2M] [CO 3] [BTL 1]**

5. Obtain an expression for the force exerted by a jet of water on an inclined stationary plate in the direction of jet and perpendicular to the flow with the help of neat sketch. **[5M] [CO 4] [BTL 2]**

(OR)

6. A jet of diameter 50mm moving with a velocity of 25m/s impinges on a fixed curved plate tangentially at one end at an angle of 30° to the horizontal. Calculate the resultant force of the jet on the plate if the jet is deflected through an angle of 50°. Take g = 10m/s^2 **[5M] [CO 4] [BTL 3]**

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Code No: 16CE2204 Set 2

Geethanjali College of Engineering and Technology, Hyderabad (Autonomous)
DEPARTMENT OF CIVIL ENGINEERING
II B.Tech, II Semester I Mid-Term Examinations, Feb 2019
HYDRAULICS & HYDRAULIC MACHINERY

Time: 100 Min **Max. Marks: 15**
Note: Answer All Questions. **(3 x 5 = 15)**

1. **(a)** The discharge of water through a rectangular channel of width 8m, is 15 m^3/s when depth of flow of water is 1.2m. Calculate: (i) Specific energy of the flowing water (ii) Critical depth and critical velocity (iii) Value of minimum specific energy

[3M] [CO 1] [BTL 3]

(b) What are the empirical formulae used for determining the value of Chezy's constant. Explain in detail. the conditions

[2M] [CO 1]]BTL 1]

(OR)

2. Prove that for a channel of circular section the depth of flow d = 0.95D for maximum discharge, where d = depth of flow and D = diameter of circular channel.

[5M] [CO 1] [BTL 2]

3. Explain in detail the different surface profiles with the help of neat sketches.

[5M] [CO 2] [BTL 2]

(OR)

4. **(a)** The resisting force R of a supersonic plane during flight can be considered as dependent upon the length of the aircraft l, velocity V, air viscosity μ, air density ρ and bulk modulus of air K. Using Rayleigh's method express the functional relationship between these variables and the resisting force. **[3M] [CO 3] [BTL 3]**

(b) Define Surge in an open channel and explain with neat sketches the types of surges and its applications.

[2M] [CO 2] [BTL 1]

5. **(a)** A nozzle of 50mm diameter delivers a stream of water at 20m/s perpendicular to a plate that moves away from the jet at 5m/s. Find: (i) The force on the plate (ii) Work done (iii) Efficiency of the jet **[3M] [CO 4] [BTL 3]**

(b) A jet of water of diameter 50mm moving with a velocity of 40m/s, strikes a curved fixed symmetrical plate at the centre. Find the force exerted by the jet of water in the direction of the jet, if the jet deflected through an angle of 120° at the outlet of the curved plate.

[2M] [CO 4] [BTL 3]

(OR)

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II. Fill in the Blanks:

11. The slenderness ratio is defined as ________________________.
12. In general Euler's buckling load is given by ________________________.
13. According to Rankine's formula, critical load is given by ________________________.
14. The short column fails by ______________ and long column fails by ________________.
15. In an eccentrically loaded column, the direct stress and the bending stress are given by ________________________.
16. In case of biaxial stresses, the maximum value of shear stress is ________________________.
17. Expression to determine the inclination of principal planes is ________________________.
18. The expression for determining the magnitude of major and minor principal stresses is ______________.
19. The sum of direct stresses on any two mutually perpendicular planes at a point remain ________________________.
20. Secant formula is applicable for long columns under ________________________ loading.

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Cheeryal (V), Keesara (M), Medchal Dist. (T.S.) - 501 301

Geethanjali College of Engineering and Technology, Cheeryal, Keesara (M), Medchal district, TS.

Department of Management Studies

Checklist for Evaluation of Question Paper by Department Committee

Course Code: 18MB0311

Course Title: Security Analysis and Portfolio Management

Name of the Course Instructor: K. Naupal Reddy, Asst. Professor

S. No.	Parameter/Attribute	Evaluation	Remarks, if any
1	Was weightage given uniformly to the content? (Yes/No)	Yes.	
2	Are there any Analytical questions? (Yes/No). If yes, % of marks for these questions	Yes 50%	
3	Are there any questions involving design aspects? (Yes / No). If yes, % of marks for	NO	
4	Please list Course outcomes covered	3, 4, 5	
5	Please list Program outcomes covered	1, 3, 5, 6	
6	Please indicate complexity of the questions on a scale of 1 - 5 (5 Highest)	2, 3, 4	
7	Please indicate estimate of approximate time required for answering all questions	2 hrs	
8	Please mention number of levels of Bloom's taxonomy the question paper covers? List the levels covered.	1, 2, 3, 4	
9	Does the question paper contain discriminating power (Distinguishing the bright and the average student) Yes / No	Yes	
10	Are the questions specific and precise thereby limiting the scope of the answer to a large extent? (Yes / No)	Yes	

Name and signature of Evaluator 1: (Faculty handling the course/ Subject expert) K. Naupal Reddy

Name and signature of Evaluator 2: (Group head/ Subject expert) Dr. A. Sita Madhavi 5/Nov/19

Name and signature of Evaluator 3: (External evaluator) _____

Name and signature of Course Coordinator: K. Naupal Reddy

Name and signature of Program Coordinator: Dr. A. Sita Madhavi

Name and signature of Head of the department: Dr. A. Sita Madhavi

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GEETHANJALI COLLEGE OF ENGINEERING & TECHNOLOGY
II MBA I Semester II Mid Term Examinations, November, 2019

Time: 2Hrs **Max Marks: 25**

Code No.: 18MB0311 **Set 1**

SECURITY ANALYSIS AND PORTFOLIO MANAGEMENT

Part – A

Answer all the following questions. Each question carries 2 marks.

1	Define the term 'Bond Convexity'.	CO3	BTL1
2	Explain about Economic Value Added.	CO4	BTL2
3	Elaborate on Price to earnings ratio.	CO4	BTL3
4	Elaborate the term 'Net Asset Value'.	CO5	BTL3
5	Write a note on a process of mutual funds.	CO5	BTL1

Part - B

Answer any three questions. Each question carries 5 marks.

1	Let us consider the following data. Face value=Rs 1000, Coupon rate=10% , Maturity=5years Calculate price of a bond, if its YTM is 12%. Also find out capital gain or loss when YTM changes to 8% and 16%.	Ex	5M	CO3 BTL4
2	Distinguish between fundamental and technical analysis.		5 M	CO4 BTL3
3	Ashok wants to by watchful company's stock and hold on it for five years. He estimates that Rs.3.44 dividend would be paid by the company continuously for the next five years. He hopes to sell the shares at Rs. 60 at the end of the fifth year, What is the present price? His required rate of return is 10%.		5 M	CO4 BTL4
4	Consider the following information for the mutual funds A, B, and C and the market.		5 M	CO5 BTL4

	Mean return (%)	Standard deviation (%)	Beta
A	12	18	1.1
B	10	15	0.9
C	13	20	1.2
Market index	11	17	1.00

The mean risk-free rate as 6%,calculate the Treynor's measure, Sharpe measure, and Jensen measure for the three mutual funds and the market index.

5	Define Mutual fund. Explain the latest trends in Indian mutual fund.		5 M	CO5 BTL3

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GEETHANJALI COLLEGE OF ENGINEERING & TECHNOLOGY
II MBA I Semester II Mid Term Examinations, November, 2019

Time: 2Hrs **Max Marks: 25**

Code No.: 18MB0311 **Set 2**

SECURITY ANALYSIS AND PORTFOLIO MANAGEMENT

Part – A

Answer all the following questions. Each question carries 2 marks.

1	Define the term 'Bond Immunization'.	CO3	BTL1
2	Explain about Efficient Market Hypothesis'.	CO4	BTL2
3	Elaborate on Dividend Discount Model.	CO4	BTL3
4	Explain Performance evaluation of mutual funds.	CO5	BTL2
5	Write a note on 'Fama's Decomposition'.	CO5	BTL1

Part - B

Answer any three questions. Each question carries 5 marks.

1	Consider a bond with a par value of Rs. 1000 and carrying a coupon rate of 10%. Calculate market value of a bond with maturities of 3, 5 and 8years at an YTM of 12% and 14%.	5 M	CO3	BTL4
2	Explain in detail the Dow theory and how is it used to determine the direction of the stock market.	5 M	CO4	BTL4
3	The returns of moon company at present is 21%.this is assumed to continue for the next five years and after that it is assumed to have a growth of 10% indefinitely. The dividend paid for the current year5 is 32%. The required rate of return is 20% and the present price is rs57.what is the estimated price according to the two stage model?	5 M	CO4	BTL4
4	The rate of return, risk and beta co-efficient for three growth oriented mutual funds where calculated over the most recent 5 years and are listed below.	5 M	CO5	BTL4

Growth-fund	Return (%)	Risk (%)	Funds Beta
J	15	16	1.15
P	13	18	1.25
F	12	11	0.90

Rank each fund by sharpe's index of portfolio performance and Treyner's performance index. If the risk free rate of return is 7%.

5	Define Mutual fund. Bring out and explain its objectives and types of mutual fund schemes.	5 M	CO5	BTL3

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List of subjects for A.Y 2018-2019(EVEN SEM)

II YEAR (AUTONOMOUS)

1) DAA

2) DBMS

3)P&S

4)ES

5) COALP

III YEAR (AUTONOMOUS)

1)IS

2)SE

3)AI

4)MS

5)SCM/BT/ECM

6)French/BI

IV YEAR (JNTU)

1)ISIRM/PA

2)DBS

3)MS

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Geethanjali College of Engineering & Technology

(Autonomous)

approved by AICTE, New Delhi and Affiliated to JNTUH, Hyderabad and Accredited by NAAC

Sy. No. 33 & 34, Cheeryal (V), Keesara (M), Ranga Reddy District, T.S.

EXAMINATION BRANCH

Date: 11.03.2019

To

The Head of the Department

Department of CE / EEE / ME / ECE / CSE

II / III B. Tech (Autonomous) II Semester II Mid Examinations will be conducted during **01 - 04 April 2019**. In this connection, I inform you to send two (02) sets of question papers in each course by mail to coe.gcet@gmail.com on or before 25th March 2019 after proper scrutiny.

Controller of Examinations (Autonomous)

PRINCIPAL

Geethanjali College of Engineering and Technology

(Autonomous)

Cheeryal (V), Keesara (M), Medchal Dist. (T.S.) - 501 301

Geethanjali College of Engineering and Technology

CHEERYAL (V), KEESARA (M), Medchal.DIST-501301, Telangana

Department of Computer Science & Engineering

CIRCULAR

Date:11-03-2019

Course coordinators of B.Tech CSE II.Year –II-Sem are here by requested to submit II-MID Examinations-**Two sets of Question paper & Two Sets of objective papers** for the respective courses to Prof. Dr.B.V Swathi (E-mail ID **:swathiveldanda@yahoo.com)** on or before 19-03-2019 by 12:00PM without fail.

Course coordinators of B.Tech CSE III.Year –II-Sem are here by requested to submit II-MID Examinations-**Two sets of Question paper & Two Sets of objective papers** for the respective courses to Dr. K.Srinivas (E-mail ID **(katkamsrinu@gmail.com)** on or before 19-03-2019 by 12:00PM without fail.

Note:

1) In preparation of the question paper(s): Level of questions in Blooms taxonomy has to be Followed.
2) Mapping of course objectives with respect to the questions should be indicated in the question Paper.
3) Quality check(s) will be done by Prof. Dr.B.V Swathi -for Secound Year courses
   Prof . Dr. K.Srinivas for Third Year courses

Associate HoD-CSE

(Prof. Dr. G.Soma Sekhar)

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Geethanjali College of Engineering and Technology

Department of Computer Science & Engineering

Question Paper Evaluation –MID II

Review Committee for II year II Semester:

Dr B V Swathi-HoD CSE

Prof Dr.G. Soma Sekhar

Prof Soma Sekhar(ECE)

List of subjects for A.Y 2018-2019 (EVEN SEM)

II YEAR (AUTONOMOUS)

1)DAA

2)DBMS

3)COALP

II MID

Four sets of question papers have been reviewed by group heads, Observations are as follows:

- **For COALP subject, course coordinator was suggested to change the format of the question paper.**
- **All the subjects were following Blooms Taxonomy, and proper weightage was given for all the questions.**
- **It has been observed that in objective paper of all subjects, proper weightage was given for all the questions of all units.**
- **All the courses have given unit wise questions according to the syllabus.**

Scheme of evaluation for the selected set will be prepared by the course coordinator along with their respective course teachers and submit it to the review committee along with the corrected answer scripts.

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Head
Dept.of Computer Science & Engineering
Geethanjali College of Engineering & Technology (Autonomous)
Cheeryal (V), Keesara (M), Medchal (D), Telangana. 501301

Geethanjali College of Engineering and Technology

Department of Computer Science & Engineering

Question Paper Evaluation –MID II

Review Committee for III year II Semester:

Dr B V Swathi-HoD CSE

Dr K.Srinivas

Prof G. Soma Sekhar(ECE)

III YEAR (AUTONOMOUS)

1)IS

2)SE

3)AI

4)MS

II MID

Four sets of question papers have been reviewed by group heads, Observations are as follows:

- **All the courses have given unit wise questions according to the syllabus.**
- **All the subjects were following Blooms Taxonomy, and proper weightage was given for all the questions.**
- **It has been observed that in objective paper of all subjects, proper weightage was given for all the questions of all units.**

Scheme of evaluation for the selected set will be prepared by the course coordinator along with their respective course teachers and submit it to the review committee along with the corrected answer scripts.

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Geethanjali College of Engineering and Technology

Department of Computer Science & Engineering

Question Paper Evaluation –MID II

Review Committee for IV year II Semester:

Dr B V Swathi-HoD CSE

Prof G. Soma Sekhar(ECE)

IVYEAR (JNTU)

1)ISIRM/PA

2)DBS

3)MS

II MID

- **All the subjects were following Blooms Taxonomy, and proper weightage was given for all the questions.**
- **All the courses have given unit wise questions according to the syllabus.**
- **It has been observed that in objective paper of all subjects, proper weightage was given for all the questions of all units.**

Scheme of evaluation for the selected set will be prepared by the course coordinator along with their respective course teachers and submit it to the review committee along with the corrected answer scripts.

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Geethanjali College of Engineering and Technology, Cheeryal, Keesara (M), Medchal district, TS.

Checklist for Evaluation of Question Paper by Department Committee

Course Code: 16CS2202

Course Title: Computer Organization & Assembly language programming.

Name of the Course Instructor: A. Sree Lakshmi, M. Srinivas, C.Y. Rao, K. Shiva Kumar.

S. No.	Parameter/Attribute	Evaluation	Remarks, if any
1	Was weightage given uniformly to the content? (Yes/No)	Yes	
2	Are there any Analytical questions? (Yes/No). If yes, % of marks for these questions	Yes (38%)	
3	Are there any questions involving design aspects? (Yes / No). If yes, % of marks for	Yes (30%)	
4	Please list Course outcomes covered	CO2, CO5	
5	Please list Program outcomes covered	PO1, PO2, PO3, PO4, PO5 PO7, PO11, PO12, PSO1, PSO2	
6	Please indicate complexity of the questions on a scale of 1 - 5 (5 Highest)	4	
7	Please indicate estimate of approximate time required for answering all questions	100 min	
8	Please mention number of levels of Bloom's taxonomy the question paper covers? List the levels covered.	BTL2, BTL4, BTL5	
9	Does the question paper contain discriminating power (Distinguishing the bright and the average student) Yes / No	Yes	
10	Are the questions specific and precise thereby limiting the scope of the answer to a large extent? (Yes / No)	Yes.	

Name and signature of Evaluator 1: 25/3/19 Format to be changed.

Name and signature of Evaluator 2: Dr. B.V. Swathi 25/3/19.

Name and signature of Evaluator 3: Dr. G. Soma Sekhar GSS

Name and signature of Course Coordinator: 25/3/19 (A. Sree Lakshmi)

Name and signature of Program Coordinator: Dr. G. Soma Sekhar Guy

Name and signature of Head of the department: Dr. G. Soma Sekhar Guy

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