# P.R. GOVERNMENT COLLEGE, KAKINADA

(An Autonomous, NAAC accredited with 'A' Grade (3.17 CGPA) & ISO certified Institution)



# BOARD OF STUDIES 2023-2024

# **ACTUARIAL SCIENCE**

DEPARTMENT OF STATISTICS

# P.R. Government College (A), Kakinada BOS – ACTUARIAL SCIENCE (2022-23) INDEX

| S. No | YEAR  | Торіс  |      |  |  |  |
|-------|-------|--|------|--|--|--|
|       |       |  | INO. |  |  |  |
| 1     |       | List of Members in the board   |      |  |  |  |
| 2     |       | Agenda   |      |  |  |  |
| 3     | 2022  | Objectives of the department   |      |  |  |  |
| 4     | 2022- | Programme and Programme Specific Outcomes(PSO)                           |      |  |  |  |
| c     | 25    | Blue Print for question Paper Pattern                                    |      |  |  |  |
| 0     |       | (Semester End, Internal Assessment and Practical Exam)                   |      |  |  |  |
|       |       |  |      |  |  |  |
| 15    |       | V Semester – paper 6B-Syllabus   |      |  |  |  |
| 16    |       | V Semester – Paper 6B - Blue Print for question paper pattern , question |      |  |  |  |
| 10    | Third | bank, Model Paper  |      |  |  |  |
| 17    | Voar  | V Semester – Paper 7B- Syllabus  |      |  |  |  |
| 10    | real  | V Semester – Paper 7B- Blue Print for question paper pattern , question  |      |  |  |  |
| 10    |       | bank and Model Paper   |      |  |  |  |
| 19    |       | List of Examiners  |      |  |  |  |

# BLUE PRINT OF C.B.C.S. MODEL CURRICULUM - B.Sc Actuarial Science

| Yr. | Sem &Course<br>Theory / Lab | Title                   | Workload  | Cred<br>its | Max.<br>Marks |                   |      |
|-----|-----------------------------|-------------------------|-----------|-------------|---------------|-------------------|------|
|     |                             |                         | Hrs./week |             | Internal.     | Ext<br>ern<br>al. | Tot. |
| III | V Sem<br>(Course-6B)        | Principles of insurance | 6 Hrs     | 5           | 50            | 50                | 100  |
|     | V Sem<br>(Course-7B)        | Practice of insurance   | 6 Hrs     | 5           | 50            | 50                | 100  |
|     |                             | List of Examiners       |           |             |               |                   |      |



OFFICE OF THE DEAN, ACADEMIC AFFAIRS ADIKAVI NANNAYA UNIVERSITY RAJAMAHENDRAVARAM

No. ANUR/DAA/PR Govt. College (A)/Sub. Experts/2021

Date: 22-10-2021

#### PROCEEDINGS OF THE VICE-CHANCELLOR

- **Sub:-** ANUR- DAA Nominated University Subject Experts for BOS PR Govt. College (A), Kakinada Orders Issued.
- Ref:- 1. Lr. dated 15.09.2021, from the Principal, PR Govt. College (A), Kakinada 2.Proc. No: ANUR/PRG College (A), KKD/UG BoS/2019/09, dated 19.03.2019

Read:-Note for Orders of the Vice-Chancellor dated 21.10.2021

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#### ORDERS

Having consider the request cited in the ref. 1, the Vice-Chancellor is pleased to order that the following members be nominated as University Subject Experts for UG Board of Studies of **PR Govt. College (A), Kakinada** for a period of three years from the date of the proceedings issued.

| S.No. | UG Courses                          | Name of the Subject Expert  |
|-------|-------------------------------------|---|
| 1     | English                             | Dr. Prasanthi Sree, AKNU MNS Campus, Kkd, Ph<br>No: 9848297555, sathupathi sri@gmail.com                                    |
| 2     | Hindi                               | Dr. N Venkata Ramana, SKBR College,<br>Amalapuram, Ph. No: 9849373773   |
| 3     | Telugu                              | Dr. P. Nagaraju, GDC, Palakollu,<br>Ph.No: 9052038569, raju00517@gmail.com  |
| 4     | Sanskrit                            | Dr. TGY Acharyulu, SKR Womens College,<br>Rajahmundry, Ph. No: 9848628812   |
| 5     | Mathematics                         | Dr. V. Anantha Lakshmi, Principal, GDC<br>Pithapuram, Ph. No : 9963786386,<br>ananthamaths@rediffmail.com                   |
| 6     | Statistics & Actuarial<br>Sciences  | Dr. D V Ramana Murthy, HoD of Statistics, SKVT<br>College, Rajamahendravaram,<br>Ph No: 9949135864, drdyrmurthy@amail.com   |
| 7     | Chemistry & Analytical<br>Chemistry | Dr. K. Jhansi Lakshmi, Principal, Ideal College of<br>Arts & Sciences, KKD, Ph.No: 9441236409,<br>ihansikalisindi@gmail.com |
| 8     | Physics & Electronics               | Dr. Paul Diwakar, Sri CRR College (A), Eluru,<br>9985050696   |
| 9     | Petro Chemicals                     | Dr. M Trinadh, Lecturer in Chemistry, Govt. College (A), Rajahmundry, Ph. No: 8639551783                                    |
| 10    | Bio-Chemistry                       | Dr. M Suvarchala, Lecturer in home science, ASD   |
| 11    | Food Science                        | women's Degree College, KKD,<br>Ph. No: 9346512694, suvarchakamallela@gmail.com   |
| 12    | Botany                              | Dr. J. Sujatha, Leturer in Botany, GDC Rjy,<br>Ph.No: 9441050910, drisuneetha@geriy.ac in                                   |
| 13    | Microbiology                        | Dr. D Aruna, Lecturer in Micro-biology, ASD<br>Women's College, Kakinada, Ph. No: 9182525872                                |
| 14    | Zoology                             | Dr. B. Tejo Murthy, Lecturer in Zoology, GDC<br>Yeleswaram, Ph. No: 9703799970,<br>drmtm2011@gmail.com                      |
| 15    | Bio Technology                      | Dr. B. Nageswari, Lecturer in Biotechnology, GDC<br>Rjy, Ph. No: 986621955  |

| 16 | Commercial Aquaculture                      | Dr. P Ramamohana Rao, Aquaculture Consultant,<br>KKD, Ph. No: 9885144557,<br>asreenivasulu@gmail.com   |
|----|---|--|
| 17 | Computer Science &<br>Computer Applications | Mr. N. Naga Subrahmanyesweri, Lecturer in<br>Computer Science, ASD Women's College, KKD,<br>Ph. No: 9948438376, yesweri.velugu@asddgcw.ac.in |
| 18 | Commerce                                    | Dr. K. Ratna Manikyam, Govt. College (A), RJY, Ph. No: 8919230362, drkrm@gcrjy.ac.in   |
| 19 | Economics                                   | Dr. D. V. Nageshwara Rao, Lecturer, GDC, RJY,<br>Ph. No: 9490919676  |
| 20 | History                                     | Dr. B. Anjani Kumari, Lecturer in charge, GDC (W),<br>Ph. No: 891989337  |
| 21 | Philosophy                                  | Dr. V. Venkatarao, Lecturer in Philosophy, MR<br>College, Vijayanagaram, Ph. No: 9440096609  |
| 22 | Political Science                           | Dr. Seetha Mahalaxmi, Lecturer in Political Science,<br>GDC, RJY Ph. No: 9491011844  |
| 23 | Journalism & Mass<br>Communication          | Prof. DVR Murthy, Dept. of Journalism & Mass<br>Communication, Andhra University, Vishakapatnam,<br>Ph. No: 9985051793, 9440974092           |
| 24 | Horticulture                                | Dr. J. Sujatha, Lecturer in Botany, GDC, Rjy, Ph.<br>No: 9441050910, drjsuneetha@gcrjy.ac.in   |
| 25 | Pharmaceutical Chemistry                    | Dr. K. Deepthi, Asst. Professor, Dept. of Chemistry,<br>AKNU, Rjy, Ph. No: 9985469607,<br>deepthikorabandi@gmail.com                         |

(BY ORDERS)

Dean 22/10/27 ACADEMIC AFFAIRS

To The Principal, PR Govt. College (A), Kkd PA to R PS to VC, OOF

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#### PROCEEDINGSOFTHEPRINCIPAL P.R.GOVERNMENTCOLLEGE(A),Kakinada Present: Dr. B. V. Tirupanyam, M.Sc; Ph.D. R.C.No.1/A.C./BOS/2023-24, Dated: 29.08.2023

SUB: P.R. Government College(A), Kakinada-UG Board of Studies (BOS)-Program/Course- Nomination of Members-Orders issued.

**REF: 1. UGC Guidelines of for Autonomous Colleges-2018.** 

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**ORDERS:** The Principal, P.R. Government College(A), Kakinada is pleased to constitute UG Boards of Studies in Statistics/Actuarial science for framing the syllabi in respective Subject for all Semesters duly following the norms of the UGC Autonomous guidelines.

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| S.No | Name of the Person   | Designation                                   |
|------|--|---|
| 1    | Smt. P.Jyothi  | Chairman& Lecturer Incharge, Department.      |
| 2    | Dr. D.V.<br>RamanaMurthy Head,<br>Dept.of statistics, SKVT<br>college, Rajahmundry.              | University Nominee                            |
| 3    | Dr. N. Madhavi<br>HOD of statistics,<br>Govt. COLLEGE(A),<br>Rajamahendravaram                   | Subject Expert -I<br>Lecturer in Statistics   |
| 4    | Smt .P.Raja Rajaeswari<br>lecturer in Statistics<br>Aditya Degree College<br>for Women ,Kakinada | Subject Expert - II<br>Lecturer in Statistics |
| 5    | Sri Ch. Tata Rao ,A.O  | LIC, Kakinada                                 |
| 6    | B. kalyan Kumar  | Member  |
| 7    | Md.Sammer  | Student Alumni Member                         |
| 8    | B.Sai Yashwanth  | Student Member                                |

| 9  | Ch.lalitha Gayatri | Student Member |
|----|--------------------|----------------|
| 10 | P.Sharon jyoshna   | Student Member |
| 11 | N.venkatesh        | Student Member |

The above members are requested to attend the BoS meeting on 31-Aug-2023(online)and share their valuable reviews, and suggestions on the following functionaries.

Prepare syllabi for the subject keeping in view the objectives of the college, interest of the stake holders and National requirement for consideration and approval of the IQAC and Academic Council.

Suggested methodologies for innovative teaching and evaluation techniques.

Suggest the panel of Names to the academic council for appointment of Examiners.

Coordinate research, teaching, extension and other activities in the Department of the college.

#### PRINCIPAL

P. R. Government College(A), Kakinada

# PITHAPUR RAJAH'S GOVERNMENT COLLEGE (A), KAKINADA Department of Statistics

The Board of Studies meeting for Statistics (Actuarial science) subject during the academic year 2023-2024 is conducted at the Dept. of Statistics on 31.08.2023 (online) at 11:00 AM with Smt pJYOTHI., Lecturer In-charge in Statistics the chair along with the following members.

| Name with Designation and Address   |                           | Signature              |    |
|---|---------------------------|------------------------|----|
| Smt. P. Jyothi<br>Lecturer in IN CHARGE<br>P. R. Govt College(A), KAKINADA                                | Chair Person              | Pt 11/2/23             |    |
| Dr. D. V. RAMANA Murthy<br>Head, Dept.of statistics,SKVT<br>college,Rajahmundry                           | University Nominee        | ge 31.00               | 8  |
| i)Dr. N. Madhavi<br>HOD of statistics, Govt.<br>COLLEGE(A),<br>Rajamahendravaram                          | Subject expert            | N- Flee 31.08.22       | \$ |
| ii)Sri. Smt .P.Raja Rajaeswari<br>lecturer in Statistics,<br>Aditya Degree College for Women,<br>Kakinada |                           | P. R.j. R-<br>131/8/23 |    |
| Sri Ch. Tata Rao, A. O  | Industrialist             | Centores 31/8/202      | 2  |
| LIC,Kakinada.   |                           |                        |    |
| Members from the College  |                           |                        |    |
| B.Kalyan kumar  | Faculty of the Department | B.t-yles               |    |
| Student Members   |                           | 1                      |    |
| Md.Sammer   | Student Alumni Member     | nd. Sammer             |    |
| B.Yaswath I MSCS  | Student Nominee           | & yoswath              |    |
| P.lalitha gayatri I MSCS  | Student Nominee           | P-lalitha gayathri     |    |
| N.Venkatesh II MSCS   | Student Nominee           | N. Jestentoch          |    |
| P.Sharon joshna II MSCS   | Student Nominee           | P. Sharon Joshna       |    |

#### **PROGRAMME OUTCOMES**

For every degree program expectations are listed out by the institution under the Program Outcomes.

#### PO1. Knowledge and Understanding of:

- 1. All concepts at under graduate level.
- 2. Real life applications of these concepts and relationship between them.

#### PO2. Intellectual skills – be able to:

- 1. Think logically and arrange real life situations to mathematical form.
- 2. Assimilate knowledge and ideas based on wide reading and through the internet.
- 3. Transfer of appropriate knowledge and methods from one topic to another within the subject.
- 4. Understand the evolving state of knowledge in a rapidly developing field.

#### **PO3. Transferable skills:**

- 1. Use of IT (word-processing, use of internet for doing project).
- 2. Ability to work as part of a team.
- 3. Ability to use library resources/Equipment.
- 4. Time management.

#### PO4. Problem analysis:

- 1. Conversion of real life problem to Mathematical model and analyze with suitable Statistical tools.
- 2. Conduct investigations of complex problems: Use research-based knowledge.

#### **PO5. Ethics:**

1. Apply ethical principles, commit environment and responsibilities among students.

#### PO6. Individual and team work:

1. Function effectively as an individual and as a member in diverse teams, and in multidisciplinary settings.

**PO7. Communication:** Communicate effectively on complex group activities and with society at large. Speak, read, write and listen clearly in person and through electronic media .

#### **PO8.Critical Thinking:**

1. Take informed actions after identifying the assumptions that frame our thinking and actions, checking out the degree to which these assumptions are accurate and valid, and looking at our ideas and decisions (intellectual, organizational, and personal) from different perspectives.

#### **PO9. Effective Citizenship:**

1. Demonstrate empathetic social concern and equity centered national development, and the ability to act with an informed awareness of issues and participate in civic life through volunteering.

#### **PO10. Life-long learning:**

1. Recognize the need for, and have the preparation and ability to engage in independent and lifelong learning in the broadest context of technological change.

| S.No. | Programme             | PSO   |
|-------|-----------------------|---|
|       |                       | PSO1: To understand nature, scope, basic concepts and terminology       |
|       |                       | of the three courses of the programme.                                  |
|       | B.Sc.                 | PSO2: To identify and understand the applications of the three          |
|       | (Mathematics,         | courses in different areas like, physical sciences, life sciences, arts |
| 1     | Statistics, Actuarial | and humanities, Business, Insurance, various industries, etc            |
|       | Science)              | PSO3: To solve various real life problems by developing                 |
|       | (Code: BS 14)         | mathematical model and applying various statistical tools with the      |
|       |                       | help of suitable economic, finance and risk policies.                   |
|       |                       | PSO4: To develop research thinking to solve critical problems.          |

# **Programme Specific Outcomes (PSO)**

Suggest to follow the website: <a href="http://www.actuariesindia.org/">http://www.actuariesindia.org/</a>

|                 | P.R.GOVERNMENT COLLEGE(A),<br>KAKINADA                            | Pr          | ograr<br>Seme   | n &<br>ster |    |
|-----------------|---|-------------|-----------------|-------------|----|
| Course Code     | TITLE OF THE COURSE<br>PRINCIPLES OF INSURANCE- 6B                | III E<br>PA | 3.Sc. (<br>PER- | V Sem<br>VI | 1) |
| Teaching        | Hours Allocated: 60 (Theory)                                      | L           | Т               | Р           | С  |
| Pre-requisites: | To have knowledge in Mathematics and Statistics<br>and Insurances | 6           | -               | -           | 5  |

CourseObjectives:

The Objective of this course is to

- 1. gain knowledge about insurance and its features
- 2 study about life tables and its uses in estimating the survival rate or mortality rate
- 3. know about various types of insurances and their benefits

#### **CourseOutcomes:**

| On  | Completion of thecourse, the students will be able to- |
|-----|--|
| CO1 | Understand the basics of Risk Management               |
| CO2 | Work on Insurance Market                               |
| CO3 | Work on benefits of insurance on Insurance Customers   |
| CO4 | Calculate the Insurance Contract                       |
| CO5 | Learn about Insurance Terminology                      |

#### Course with focus on employability / entrepreneurship / Skill Development modules

| Skill<br>Development | Employability |  | Entrepreneurship |  |
|----------------------|---------------|--|------------------|--|
|----------------------|---------------|--|------------------|--|

# **Syllabus:**

**Unit I** : Risk Management: Meaning of risk and distinguish between different types of risks, Risk analysis and risk management techniques, Concept of risk retention for individuals, Applications of Insurance market.

#### Unit-II

Insurance Market: Indian insurance market, role of intermediaries: agents, brokers; role of specialists: surveyors, medical examiners, third party administrators(TPA); role of regulator and other bodies.

#### Unit-III

Insurance Customers: Concept of Insured customer, different types of customers, concept of customer mindset and customer satisfaction, importance of ethical behavior, .

#### **Unit-IV**

Insurance Contract: Notion of insurance contract, significance of principle of insurable interest, principles of indemnity, principles of subrogation and contribution, principles of utmost good faith, concept of proximate cause.

#### Unit-V

Insurance Terminology: Concept of life and non-life insurance, terms specific to life insurance, terms specific to non-life insurance.

#### **Textbooks:**

1.Bowers, N. L., Gerber, H.U., Hickman, J.C., Jones, D.A., Nesbitt, C.L.(2286), Actuarial Mathematics, The society of actuaries.

#### **Referencebooks:**

- 1. Principles of Insurance, IC-01, Insurance institute of India.
- 2. Principles of Insurance and Banking, Dr. S.S. Kundu, Dr. B.S. Bodla

#### Web Links:

https://www.startertutorials.com/uml/principles-of-modeling.html https://learn.filtered.com/blog/the-principles-of-modelling https://en.wikipedia.org/wiki/Survival\_analysis https://link.springer.com/chapter/10.1007%2F978-3-662-03460-6\_2

#### **CO-POMapping:**

(1:Slight[Low]; 2:Moderate[Medium];

3:Substantial[High], '-':No Correlation)

|     | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PSO1 | PSO2 | PSO3 |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|
| CO1 |     |     |     |     |     |     |     |     |     |      |      |      |      |
| CO2 |     |     |     |     |     |     |     |     |     |      |      |      |      |
| CO3 |     |     |     |     |     |     |     |     |     |      |      |      |      |
| CO4 |     |     |     |     |     |     |     |     |     |      |      |      |      |
| CO5 |     |     |     |     |     |     |     |     |     |      |      |      |      |

# Model blue print for the Question Paper setter

# **Course-V: PRINCIPLES OF INSURANCE**

# Max. Marks: 50M

# Time : 2 Hrs.

| Module                 | Short Answer<br>Questions | Essay Questions | Marks allotted to the Unit/Chapter |  |  |
|------------------------|---------------------------|-----------------|------------------------------------|--|--|
| Ι                      | 1                         | 1               | 15                                 |  |  |
| П                      | 2                         | 1               | 20                                 |  |  |
| III                    | 2                         | 1               | 20                                 |  |  |
| IV                     | 1                         | 2               | 25                                 |  |  |
| V                      | 1                         | 1               | 15                                 |  |  |
| Total including choice | 7                         | 6               | 95                                 |  |  |

# Pithapur Rajah's Government College (Autonomous), Kakinada III year B.Sc., Degree Examinations - V Semester (w.e.f 2023-24) For 2021-22 batch Statistics Course V: PRINCIPLES OF INSURANCE (6B)

#### **Model Paper**

Time: 2 Hrs.

Max. Marks: 50

3x10=30M

Answer any THREE of the following. Choosing at least one from each part.

#### SECTION – A

#### PART-I

- 1. Explain about risk analysis and risk management techniques.
- **2.** Explain the importance of ethical behaviour.
- **3.** Explain the role of third party administrators.

#### PART- II

- 4. Explain the principals of subrogation and contribution.
- 5. Explain the principals of utmost good faith and proximate cost.
- 6. Explain about terms specific to life insurance.

#### **SECTION – B**

#### Answer any FOUR of the following:

#### 4x5=20M

- 7. Distinguish between different types of risks.
- **8.** Explain about the role of intermediaries.
- 9. Explain about the role of specialists: surveyors.
- 10.Explain about Concept of Insured customer
- 11.Explain about concept of customer mindset
- 12. Explain of significances of principal of Insurance interest.
- **13.**Explain about concept of life insurance.

|                 | P.R.GOVERNMENT COLLEGE(A),<br>KAKINADA                            | Pr          | Program &<br>Semester   |              |    |
|-----------------|---|-------------|-------------------------|--------------|----|
| Course Code     | TITLE OF THE COURSE<br>PRACTICE OF INSURANCE- 7B                  | III E<br>PA | 3.Sc. (<br><b>PER</b> - | V Sem<br>VII | 1) |
| Teaching        | Hours Allocated: 60 (Theory)                                      | L           | Т                       | Р            | С  |
| Pre-requisites: | To have knowledge in Mathematics and Statistics<br>and Insurances | 6           | -                       | -            | 5  |

**CourseObjectives**:

The Objective of this course is to

#### 1. gain knowledge about insurance and its features

#### 2. know about various types of insurances and their benefits

# **CourseOutcomes:**

| On Completion of thecourse, the students will be able to- |  |  |  |  |
|---|--|--|--|--|
| CO1   | Understand the basics of Insurance                 |  |  |  |
| CO2   | Work on Premiums and bonuses                       |  |  |  |
| CO3   | Work on Plans of Life Insurance                    |  |  |  |
| CO4   | Calculate the Annuities                            |  |  |  |
| CO5   | Calculate amount of Annuities and rates applicable |  |  |  |

Course with focus on employability / entrepreneurship / Skill Development modules

**Unit-I**:Practice of Life Insurance: Introduction, Over view of Indian insurance market, growth of insurance business in india, liberalization of Indian insurance sector, organizational structure of LIC.

#### Unit-II

Premiums and bonuses: Concept of premium, different types of premiums, factors involved in the calculation of premium, concept of bonus.

#### Unit-III

Plans of Life Insurance: various life insurance plans, importance of ULIPs, importance of riders, industrial life insurance, benefits of MWP, importance of key-man insurance, importance of health insurance, Applications of Health Insurance

#### Unit-IV

Annuities: Concept of annuity, analysis of different types of annuity plans, advantages and disadvantages of annuity.

#### Unit-V

Group Insurance: Importance of group insurance, different group insurance schemes, group insurance classifications, features of group insurance schemes, group superannuation schemes, group leave encashment scheme, social security scheme.

#### **Textbooks:**

1.Bowers, N. L., Gerber, H.U., Hickman, J.C., Jones, D.A., Nesbitt, C.L.(2286), Actuarial Mathematics, The society of actuaries.

#### **Referencebooks:**

2. Principles of Insurance, IC-01, Insurance institute of India.

3. Principles of Insurance and Banking, Dr. S.S. Kundu, Dr. B.S. Bodla

#### Web Links:

https://www.startertutorials.com/uml/principles-of-modeling.html https://learn.filtered.com/blog/the-principles-of-modelling https://en.wikipedia.org/wiki/Survival\_analysis https://link.springer.com/chapter/10.1007%2F978-3-662-03460-6\_2

#### **CO-POMapping:**

(1:Slight[Low]; 2:Moderate[Medium];

3:Substantial[High], '-':No Correlation)

|     | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PSO1 | PSO2 | PSO3 |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|
| CO1 |     |     |     |     |     |     |     |     |     |      |      |      |      |
| CO2 |     |     |     |     |     |     |     |     |     |      |      |      |      |
| CO3 |     |     |     |     |     |     |     |     |     |      |      |      |      |
| CO4 |     |     |     |     |     |     |     |     |     |      |      |      |      |
| CO5 |     |     |     |     |     |     |     |     |     |      |      |      |      |

# Model blue print for the Question Paper setter

# **Course-V: PRACTICE OF INSURANCE**

# Max. Marks: 50M

# Time : 2 Hrs.

| Module                 | Short Answer<br>Questions | Essay Questions | Marks allotted to the Unit/Chapter |  |  |
|------------------------|---------------------------|-----------------|------------------------------------|--|--|
| Ι                      | 1                         | 1               | 15                                 |  |  |
| п                      | 1                         | 1               | 15                                 |  |  |
| III                    | 2                         | 1               | 20                                 |  |  |
| IV                     | 2                         | 1               | 20                                 |  |  |
| V                      | 1                         | 2               | 25                                 |  |  |
| Total including choice | 7                         | 6               | 95                                 |  |  |

# Pithapur Rajah's Government College (Autonomous), Kakinada III year B.Sc., Degree Examinations - V Semester (w.e.f 2023-24) For 2021-22 batch Statistics Course V: PRACTICE OF INSURANCE (7B)

#### **Model Paper**

Time: 2 Hrs.

Max. Marks: 50

3x10=30M

Answer any THREE of the following. Choosing at least one from each part.

#### SECTION – A

#### PART- I

- **1.** Explain briefly about Indian insurance market.
- **2.** Write about factors involved in the calculation of premiums and the concept of bonus
- 3. Write about the importance of key-man insurance and health insurance

#### PART- II

- 4. Describe briefly the analysis of different types of annuity plans.
- 5. Explain about the importance of group insurance.
- 6. Explain about the features of group insurance schemes

#### **SECTION – B**

#### Answer any FOUR of the following:

#### 4x5=20M

- 7. Explain about organizational structure of LIC.
- **8.** Explain about the different types of premiums
- 9. Write about the various life insurance plans
- 10.Explain about the benefits of MWP
- 11.Write about the advantages and disadvantages of annuity
- 12.Write about a short note on Annuities
- **13.**Explain about social security scheme.

# P.R. Government College (A), Kakinada Department of Actuarial Science <u>List of paper Setters in Actuarial Science</u>

| S. No | Name of the paper setter | Address                               |
|-------|--------------------------|---------------------------------------|
| 1     | Saladi Srinivas          | AAO,                                  |
|       |                          | LIC, Mandapeta                        |
|       |                          | Phno.9491782917                       |
| 2     | Ch.Tata Rao              | AO                                    |
|       |                          | LIC, Div Office                       |
|       |                          | Kakinada                              |
|       |                          | Phno.9866807397                       |
| 3     | Smt.Uma Radhika          | AO                                    |
|       |                          | LIC, Main Branch                      |
|       |                          | Rajahmundry                           |
|       |                          | Phno.9848442699                       |
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