

SOMAIYA

VIDYAVIHAR UNIVERSITY

Somaiya School of Humanities and Social Science

QUESTION PAPERS

| | |
|--|-----------------|
| BRANCH: Bachelor of Science (Economics) | SEM: VI |
| | APR-2024 |

| Sr. No. | Subject | Available |
|---------|--|-----------|
| 1. | 131U01K601 – Risk Management | |
| 2. | 131U01C601 – International Finance | |
| 3. | 131U01C602 – Indian Mutual Fund Industry | |
| 4. | 131U01C604 – Corporate Social Responsibility | |
| 5. | | |
| 6. | | |
| 7. | | |
| 8. | | |
| 9. | | |
| 10. | | |



LIBRARY



April 2024

Examination: End Semester Examination April 2024 (UG/PG Programmes)

Programme code:

Programme: TY.B.SC ECONOMICS

Name of the Constituent College: S K Somaiya College

Name of the Department:
ECONOMICS

Course Code: 131U01K601

Name of the Course: Risk Management

Duration: 2 Hrs.

Maximum Marks: 60

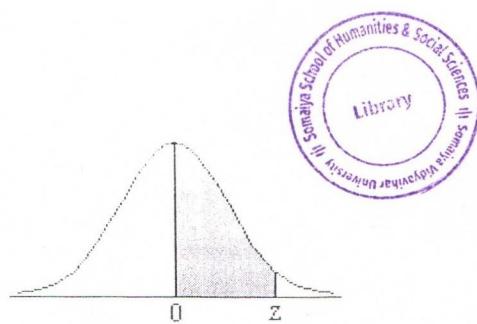
Instructions: 1) Draw neat and clear diagrams with pencil whenever necessary 2) Assume suitable data if necessary

| Question No. | | Max. Marks | CO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------|--|------------------|--------------------|------------------|---|----|----|---|----|----|---|----|----|---|----|----|---|---|----|---|----|----|---|----|----|---|----|----|---|----|----|----|----|----|------|---|---|---|---|-------------|-----|--------|--------|-----|-------------|--------|--------|--------|--------|-----------|-------------|----------|----------|--------|-----|-----|-----|-----------|-----|-----|-----|------|-----|-----|-----|----|-----|
| Q.1 | <p>a. From the Following information Calculate β of security</p> <table border="1"> <thead> <tr> <th>Year</th><th>Interest on Return</th><th>Market portfolio</th></tr> </thead> <tbody> <tr><td>1</td><td>11</td><td>12</td></tr> <tr><td>2</td><td>14</td><td>10</td></tr> <tr><td>3</td><td>18</td><td>10</td></tr> <tr><td>4</td><td>10</td><td>15</td></tr> <tr><td>5</td><td>8</td><td>12</td></tr> <tr><td>6</td><td>11</td><td>14</td></tr> <tr><td>7</td><td>18</td><td>15</td></tr> <tr><td>8</td><td>12</td><td>20</td></tr> <tr><td>9</td><td>20</td><td>22</td></tr> <tr><td>10</td><td>10</td><td>15</td></tr> </tbody> </table> <p>b. Return on two portfolios ,B and L , for the past 4 years are</p> <table border="1"> <thead> <tr> <th>Year</th><th>1</th><th>2</th><th>3</th><th>4</th></tr> </thead> <tbody> <tr><td>Portfolio B</td><td>13%</td><td>13.50%</td><td>12.50%</td><td>14%</td></tr> <tr><td>Portfolio L</td><td>14.35%</td><td>11.75%</td><td>13.60%</td><td>12.90%</td></tr> </tbody> </table> <p>Beta factor of the two portfolio are 1.3 and 1.2 respectively. If the market portfolio fetches 12% return , which are considered risk free, yield 5% return and RBI'S Bonds, which are considered risk free, Yield 5% return , which of the two portfolio will an investor prefer?</p> <p style="text-align: center;">Or</p> <p>c. Find out Expected Rate of Return ,Standard deviation</p> <table border="1"> <thead> <tr> <th>Situation</th><th>Probability</th><th>Stocks A</th><th>Stocks B</th></tr> </thead> <tbody> <tr><td>Normal</td><td>0.3</td><td>15%</td><td>20%</td></tr> <tr><td>Recession</td><td>0.4</td><td>20%</td><td>18%</td></tr> <tr><td>Boom</td><td>0.3</td><td>12%</td><td>16%</td></tr> </tbody> </table> | Year | Interest on Return | Market portfolio | 1 | 11 | 12 | 2 | 14 | 10 | 3 | 18 | 10 | 4 | 10 | 15 | 5 | 8 | 12 | 6 | 11 | 14 | 7 | 18 | 15 | 8 | 12 | 20 | 9 | 20 | 22 | 10 | 10 | 15 | Year | 1 | 2 | 3 | 4 | Portfolio B | 13% | 13.50% | 12.50% | 14% | Portfolio L | 14.35% | 11.75% | 13.60% | 12.90% | Situation | Probability | Stocks A | Stocks B | Normal | 0.3 | 15% | 20% | Recession | 0.4 | 20% | 18% | Boom | 0.3 | 12% | 16% | 07 | CO1 |
| Year | Interest on Return | Market portfolio | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 11 | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 14 | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | 18 | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | 10 | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | 8 | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | 11 | 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | 18 | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | 12 | 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | 20 | 22 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | 10 | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Year | 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Portfolio B | 13% | 13.50% | 12.50% | 14% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Portfolio L | 14.35% | 11.75% | 13.60% | 12.90% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Situation | Probability | Stocks A | Stocks B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Normal | 0.3 | 15% | 20% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Recession | 0.4 | 20% | 18% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Boom | 0.3 | 12% | 16% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 08 | CO1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 07 | CO1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | d. A Person has taken Loan of Rs. 20000 which to be repaid in equal monthly instalments, if the interest rate is 9% p.a Compounded monthly , Find EMI using reducing balance Method. | 4 | 08 | CO2 | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------|--|----|----|---------------------------------|---|-------|---------|---|----|---|----|-----------|----|----|---|----|-------|----|----|----|----|----|----|-----|---|--|----|----|-----|
| Q.2 | a. The Oil Company has explored three different areas possible oil reserves. The results of the test were as given below | 07 | 07 | CO2 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <table border="1"> <thead> <tr> <th></th> <th>A</th> <th>B</th> <th>C</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>Strikes</td> <td>7</td> <td>10</td> <td>8</td> <td>25</td> </tr> <tr> <td>Dry holes</td> <td>10</td> <td>18</td> <td>9</td> <td>37</td> </tr> <tr> <td>Total</td> <td>17</td> <td>28</td> <td>17</td> <td>62</td> </tr> </tbody> </table> <p>Use 5% I.o.s</p> | | A | B | C | Total | Strikes | 7 | 10 | 8 | 25 | Dry holes | 10 | 18 | 9 | 37 | Total | 17 | 28 | 17 | 62 | 08 | 08 | CO2 | | | | | |
| | A | B | C | Total | | | | | | | | | | | | | | | | | | | | | | | | | |
| Strikes | 7 | 10 | 8 | 25 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dry holes | 10 | 18 | 9 | 37 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total | 17 | 28 | 17 | 62 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | b. The output of Four Stocks A,B,C,D are given below | 07 | 07 | CO3 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <table border="1"> <thead> <tr> <th></th> <th>A</th> <th>B</th> <th>C</th> <th>D</th> </tr> </thead> <tbody> <tr> <td>8</td> <td>9</td> <td>3</td> <td>3</td> <td></td> </tr> <tr> <td>12</td> <td>4</td> <td>8</td> <td>7</td> <td></td> </tr> <tr> <td>1</td> <td>7</td> <td>2</td> <td>8</td> <td></td> </tr> <tr> <td>3</td> <td>1</td> <td>5</td> <td>2</td> <td></td> </tr> </tbody> </table> <p>Use at 5 I.o.s Or</p> | | A | B | C | D | 8 | 9 | 3 | 3 | | 12 | 4 | 8 | 7 | | 1 | 7 | 2 | 8 | | 3 | 1 | 5 | 2 | | 08 | 08 | CO3 |
| | A | B | C | D | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | 9 | 3 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | 4 | 8 | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 7 | 2 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | 1 | 5 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | c. Set up analysis of variance table for the following Two Way ANOVA | 07 | 07 | CO3 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Varieties of Stocks | 08 | 08 | CO3 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <table border="1"> <thead> <tr> <th></th> <th>A</th> <th>B</th> <th>C</th> </tr> </thead> <tbody> <tr> <td>W</td> <td>6</td> <td>5</td> <td>5</td> </tr> <tr> <td>X</td> <td>7</td> <td>5</td> <td>4</td> </tr> <tr> <td>Y</td> <td>3</td> <td>3</td> <td>3</td> </tr> <tr> <td>Z</td> <td>8</td> <td>7</td> <td>4</td> </tr> </tbody> </table> <p>Also state whether variety differences are significant at 5% I.o.s</p> | | A | B | C | W | 6 | 5 | 5 | X | 7 | 5 | 4 | Y | 3 | 3 | 3 | Z | 8 | 7 | 4 | 07 | 07 | CO3 | | | | | |
| | A | B | C | | | | | | | | | | | | | | | | | | | | | | | | | | |
| W | 6 | 5 | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X | 7 | 5 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y | 3 | 3 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Z | 8 | 7 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | d. Find the Accumulated value after 3 years of immediate annuity Rs. 10000 p.a with interest compounded annually at 7% p.a | 08 | 08 | CO3 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Q.3 | a. Explain assumption and Derive Cournot Model of duopoly b. If the demand function is given by $P = 100 - 0.5(q_1+q_2)$ and the cost functions of the two firms are $C_1 = 5q_1$ and $C_2 = 0.5q_2$ respectively then find the equilibrium quantity and price charged by the firms if (a) firm 1 is the leader (b) firm 2 is the follower Or c. Explain Assumption and Derive of Stackelberg Model d. A bond is currently trading at Rs.105 and have a face value of Rs.100 Maturity is of 5 Years and coupon rate is 10 % (paid annually). What should YTM of the bond? | 07 | 07 | CO 3 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 08 | 08 | CO 4 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 07 | 07 | CO 4 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 08 | 08 | CO 4 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Q.4 | Solve any 3 (out of 5) a. Yield to Maturity b. Types of Error in hypothesis c. Risk management d. Risk and Uncertainty e. Evaluation of Risk | 15 | 15 | CO4 CO2 CO1 CO3 CO2 | | | | | | | | | | | | | | | | | | | | | | | | | |

TABLE 1 Normal Curve Areas

The entries in the body of the table correspond to the area shaded under the normal curve.



| z | 0.00 | 0.01 | 0.02 | 0.03 | 0.04 | 0.05 | 0.06 | 0.07 | 0.08 | 0.09 |
|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 0.0 | 0.0000 | 0.0040 | 0.0080 | 0.0120 | 0.0160 | 0.0199 | 0.0239 | 0.0279 | 0.0319 | 0.0359 |
| 0.1 | 0.0398 | 0.0438 | 0.0478 | 0.0517 | 0.0557 | 0.0596 | 0.0636 | 0.0675 | 0.0714 | 0.0753 |
| 0.2 | 0.0793 | 0.0832 | 0.0871 | 0.0910 | 0.0948 | 0.0987 | 0.1026 | 0.1064 | 0.1103 | 0.1141 |
| 0.3 | 0.1179 | 0.1217 | 0.1255 | 0.1293 | 0.1331 | 0.1368 | 0.1406 | 0.1443 | 0.1480 | 0.1517 |
| 0.4 | 0.1554 | 0.1591 | 0.1628 | 0.1664 | 0.1700 | 0.1736 | 0.1772 | 0.1808 | 0.1844 | 0.1879 |
| 0.5 | 0.1915 | 0.1950 | 0.1985 | 0.2019 | 0.2054 | 0.2088 | 0.2123 | 0.2157 | 0.2190 | 0.2224 |
| 0.6 | 0.2257 | 0.2291 | 0.2324 | 0.2357 | 0.2389 | 0.2422 | 0.2454 | 0.2486 | 0.2517 | 0.2549 |
| 0.7 | 0.2580 | 0.2611 | 0.2642 | 0.2673 | 0.2703 | 0.2734 | 0.2764 | 0.2794 | 0.2823 | 0.2852 |
| 0.8 | 0.2881 | 0.2910 | 0.2939 | 0.2967 | 0.2995 | 0.3023 | 0.3051 | 0.3078 | 0.3106 | 0.3133 |
| 0.9 | 0.3159 | 0.3186 | 0.3212 | 0.3238 | 0.3264 | 0.3289 | 0.3315 | 0.3340 | 0.3365 | 0.3389 |
| 1.0 | 0.3413 | 0.3438 | 0.3461 | 0.3485 | 0.3508 | 0.3531 | 0.3554 | 0.3577 | 0.3599 | 0.3621 |
| 1.1 | 0.3643 | 0.3665 | 0.3686 | 0.3708 | 0.3729 | 0.3749 | 0.3770 | 0.3790 | 0.3810 | 0.3830 |
| 1.2 | 0.3849 | 0.3869 | 0.3888 | 0.3907 | 0.3925 | 0.3944 | 0.3962 | 0.3980 | 0.3997 | 0.4015 |
| 1.3 | 0.4032 | 0.4049 | 0.4066 | 0.4082 | 0.4099 | 0.4115 | 0.4131 | 0.4147 | 0.4162 | 0.4177 |
| 1.4 | 0.4192 | 0.4207 | 0.4222 | 0.4236 | 0.4251 | 0.4265 | 0.4279 | 0.4292 | 0.4306 | 0.4319 |
| 1.5 | 0.4332 | 0.4345 | 0.4357 | 0.4370 | 0.4382 | 0.4394 | 0.4406 | 0.4418 | 0.4429 | 0.4441 |
| 1.6 | 0.4452 | 0.4463 | 0.4474 | 0.4484 | 0.4495 | 0.4505 | 0.4515 | 0.4525 | 0.4535 | 0.4545 |
| 1.7 | 0.4554 | 0.4564 | 0.4573 | 0.4582 | 0.4591 | 0.4599 | 0.4608 | 0.4616 | 0.4625 | 0.4633 |
| 1.8 | 0.4641 | 0.4649 | 0.4656 | 0.4664 | 0.4671 | 0.4678 | 0.4686 | 0.4693 | 0.4699 | 0.4706 |
| 1.9 | 0.4713 | 0.4719 | 0.4726 | 0.4732 | 0.4738 | 0.4744 | 0.4750 | 0.4756 | 0.4761 | 0.4767 |
| 2.0 | 0.4772 | 0.4778 | 0.4783 | 0.4788 | 0.4793 | 0.4798 | 0.4803 | 0.4808 | 0.4812 | 0.4817 |
| 2.1 | 0.4821 | 0.4826 | 0.4830 | 0.4834 | 0.4838 | 0.4842 | 0.4846 | 0.4850 | 0.4854 | 0.4857 |
| 2.2 | 0.4861 | 0.4864 | 0.4868 | 0.4871 | 0.4875 | 0.4878 | 0.4881 | 0.4884 | 0.4887 | 0.4890 |
| 2.3 | 0.4893 | 0.4896 | 0.4898 | 0.4901 | 0.4904 | 0.4906 | 0.4909 | 0.4911 | 0.4913 | 0.4916 |
| 2.4 | 0.4918 | 0.4920 | 0.4922 | 0.4925 | 0.4927 | 0.4929 | 0.4931 | 0.4932 | 0.4934 | 0.4936 |
| 2.5 | 0.4938 | 0.4940 | 0.4941 | 0.4943 | 0.4945 | 0.4946 | 0.4948 | 0.4949 | 0.4951 | 0.4952 |
| 2.6 | 0.4953 | 0.4955 | 0.4956 | 0.4957 | 0.4959 | 0.4960 | 0.4961 | 0.4962 | 0.4963 | 0.4964 |
| 2.7 | 0.4965 | 0.4966 | 0.4967 | 0.4968 | 0.4969 | 0.4970 | 0.4971 | 0.4972 | 0.4973 | 0.4974 |
| 2.8 | 0.4974 | 0.4975 | 0.4976 | 0.4977 | 0.4977 | 0.4978 | 0.4979 | 0.4979 | 0.4980 | 0.4981 |
| 2.9 | 0.4981 | 0.4982 | 0.4982 | 0.4983 | 0.4984 | 0.4984 | 0.4985 | 0.4985 | 0.4986 | 0.4986 |
| 3.0 | 0.4987 | 0.4987 | 0.4987 | 0.4988 | 0.4988 | 0.4989 | 0.4989 | 0.4989 | 0.4990 | 0.4990 |
| 3.1 | 0.4990 | 0.4991 | 0.4991 | 0.4991 | 0.4992 | 0.4992 | 0.4992 | 0.4992 | 0.4993 | 0.4993 |
| 3.2 | 0.4993 | 0.4993 | 0.4994 | 0.4994 | 0.4994 | 0.4994 | 0.4994 | 0.4995 | 0.4995 | 0.4995 |
| 3.3 | 0.4995 | 0.4995 | 0.4995 | 0.4996 | 0.4996 | 0.4996 | 0.4996 | 0.4996 | 0.4996 | 0.4997 |
| 3.4 | 0.4997 | 0.4997 | 0.4997 | 0.4997 | 0.4997 | 0.4997 | 0.4997 | 0.4997 | 0.4997 | 0.4998 |
| 3.5 | 0.4998 | 0.4998 | 0.4998 | 0.4998 | 0.4998 | 0.4998 | 0.4998 | 0.4998 | 0.4998 | 0.4998 |
| 3.6 | 0.4998 | 0.4998 | 0.4999 | 0.4999 | 0.4999 | 0.4999 | 0.4999 | 0.4999 | 0.4999 | 0.4999 |
| 3.7 | 0.4999 | 0.4999 | 0.4999 | 0.4999 | 0.4999 | 0.4999 | 0.4999 | 0.4999 | 0.4999 | 0.4999 |
| 3.8 | 0.4999 | 0.4999 | 0.4999 | 0.4999 | 0.4999 | 0.4999 | 0.4999 | 0.4999 | 0.4999 | 0.4999 |
| 3.9 | 0.5000 | 0.5000 | 0.5000 | 0.5000 | 0.5000 | 0.5000 | 0.5000 | 0.5000 | 0.5000 | 0.5000 |

TABLE A.2
t Distribution: Critical Values of *t*

| Degrees of freedom | Two-tailed test: One-tailed test: | Significance level | | | | | | |
|--------------------|--------------------------------------|--------------------|------------|----------|------------|--------------|---------------|--|
| | | 10% 5% | 5% 2.5% | 2% 1% | 1% 0.5% | 0.2% 0.1% | 0.1% 0.05% | |
| 1 | | 6.314 | 12.706 | 31.821 | 63.657 | 318.309 | 636.619 | |
| 2 | | 2.920 | 4.303 | 6.965 | 9.925 | 22.327 | 31.599 | |
| 3 | | 2.353 | 3.182 | 4.541 | 5.841 | 10.215 | 12.924 | |
| 4 | | 2.132 | 2.776 | 3.747 | 4.604 | 7.173 | 8.610 | |
| 5 | | 2.015 | 2.571 | 3.365 | 4.032 | 5.893 | 6.869 | |
| 6 | | 1.943 | 2.447 | 3.143 | 3.707 | 5.208 | 5.959 | |
| 7 | | 1.894 | 2.365 | 2.998 | 3.499 | 4.785 | 5.408 | |
| 8 | | 1.860 | 2.306 | 2.896 | 3.355 | 4.501 | 5.041 | |
| 9 | | 1.833 | 2.262 | 2.821 | 3.250 | 4.297 | 4.781 | |
| 10 | | 1.812 | 2.228 | 2.764 | 3.169 | 4.144 | 4.587 | |
| 11 | | 1.796 | 2.201 | 2.718 | 3.106 | 4.025 | 4.437 | |
| 12 | | 1.782 | 2.179 | 2.681 | 3.055 | 3.930 | 4.318 | |
| 13 | | 1.771 | 2.160 | 2.650 | 3.012 | 3.852 | 4.221 | |
| 14 | | 1.761 | 2.145 | 2.624 | 2.977 | 3.787 | 4.140 | |
| 15 | | 1.753 | 2.131 | 2.602 | 2.947 | 3.733 | 4.073 | |
| 16 | | 1.746 | 2.120 | 2.583 | 2.921 | 3.686 | 4.015 | |
| 17 | | 1.740 | 2.110 | 2.567 | 2.898 | 3.646 | 3.965 | |
| 18 | | 1.734 | 2.101 | 2.552 | 2.878 | 3.610 | 3.922 | |
| 19 | | 1.729 | 2.093 | 2.539 | 2.861 | 3.579 | 3.883 | |
| 20 | | 1.725 | 2.086 | 2.528 | 2.845 | 3.552 | 3.850 | |
| 21 | | 1.721 | 2.080 | 2.518 | 2.831 | 3.527 | 3.819 | |
| 22 | | 1.717 | 2.074 | 2.508 | 2.819 | 3.505 | 3.792 | |
| 23 | | 1.714 | 2.069 | 2.500 | 2.807 | 3.485 | 3.768 | |
| 24 | | 1.711 | 2.064 | 2.492 | 2.797 | 3.467 | 3.745 | |
| 25 | | 1.708 | 2.060 | 2.485 | 2.787 | 3.450 | 3.725 | |
| 26 | | 1.706 | 2.056 | 2.479 | 2.779 | 3.435 | 3.707 | |
| 27 | | 1.703 | 2.052 | 2.473 | 2.771 | 3.421 | 3.690 | |
| 28 | | 1.701 | 2.048 | 2.467 | 2.763 | 3.408 | 3.674 | |
| 29 | | 1.699 | 2.045 | 2.462 | 2.756 | 3.396 | 3.659 | |
| 30 | | 1.697 | 2.042 | 2.457 | 2.750 | 3.385 | 3.646 | |
| 32 | | 1.694 | 2.037 | 2.449 | 2.738 | 3.365 | 3.622 | |
| 34 | | 1.691 | 2.032 | 2.441 | 2.728 | 3.348 | 3.601 | |
| 36 | | 1.688 | 2.028 | 2.434 | 2.719 | 3.333 | 3.582 | |
| 38 | | 1.686 | 2.024 | 2.429 | 2.712 | 3.319 | 3.566 | |
| 40 | | 1.684 | 2.021 | 2.423 | 2.704 | 3.307 | 3.551 | |
| 42 | | 1.682 | 2.018 | 2.418 | 2.698 | 3.296 | 3.538 | |
| 44 | | 1.680 | 2.015 | 2.414 | 2.692 | 3.286 | 3.526 | |
| 46 | | 1.679 | 2.013 | 2.410 | 2.687 | 3.277 | 3.515 | |
| 48 | | 1.677 | 2.011 | 2.407 | 2.682 | 3.269 | 3.505 | |
| 50 | | 1.676 | 2.009 | 2.403 | 2.678 | 3.261 | 3.496 | |
| 60 | | 1.671 | 2.000 | 2.390 | 2.660 | 3.232 | 3.460 | |
| 70 | | 1.667 | 1.994 | 2.381 | 2.648 | 3.211 | 3.435 | |
| 80 | | 1.664 | 1.990 | 2.374 | 2.639 | 3.195 | 3.416 | |
| 90 | | 1.662 | 1.987 | 2.368 | 2.632 | 3.183 | 3.402 | |
| 100 | | 1.660 | 1.984 | 2.364 | 2.626 | 3.174 | 3.390 | |
| 120 | | 1.658 | 1.980 | 2.358 | 2.617 | 3.160 | 3.373 | |
| 150 | | 1.655 | 1.976 | 2.351 | 2.609 | 3.145 | 3.357 | |
| 200 | | 1.653 | 1.972 | 2.345 | 2.601 | 3.131 | 3.340 | |
| 300 | | 1.650 | 1.968 | 2.339 | 2.592 | 3.118 | 3.323 | |
| 400 | | 1.649 | 1.966 | 2.336 | 2.588 | 3.111 | 3.315 | |
| 500 | | 1.648 | 1.965 | 2.334 | 2.586 | 3.107 | 3.310 | |
| 600 | | 1.647 | 1.964 | 2.333 | 2.584 | 3.104 | 3.307 | |
| ∞ | | 1.645 | 1.960 | 2.326 | 2.576 | 3.090 | 3.291 | |

TABLE A.3



F Distribution: Critical Values of F (5% significance level)

| v_1 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 12 | 14 | 16 | 18 | 20 |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1 | 161.45 | 199.50 | 215.71 | 224.58 | 230.16 | 233.99 | 236.77 | 238.88 | 240.54 | 241.88 | 243.91 | 245.36 | 246.46 | 247.32 | 248.01 |
| 2 | 18.51 | 19.00 | 19.16 | 19.25 | 19.30 | 19.33 | 19.35 | 19.37 | 19.38 | 19.40 | 19.41 | 19.42 | 19.43 | 19.44 | 19.45 |
| 3 | 10.13 | 9.55 | 9.28 | 9.12 | 9.01 | 8.94 | 8.89 | 8.85 | 8.81 | 8.79 | 8.74 | 8.71 | 8.69 | 8.67 | 8.66 |
| 4 | 7.71 | 6.94 | 6.59 | 6.39 | 6.26 | 6.16 | 6.09 | 6.04 | 6.00 | 5.96 | 5.91 | 5.87 | 5.84 | 5.82 | 5.80 |
| 5 | 6.61 | 5.79 | 5.41 | 5.19 | 5.05 | 4.95 | 4.88 | 4.82 | 4.77 | 4.74 | 4.68 | 4.64 | 4.60 | 4.58 | 4.56 |
| 6 | 5.99 | 5.14 | 4.76 | 4.53 | 4.39 | 4.28 | 4.21 | 4.15 | 4.10 | 4.06 | 4.00 | 3.96 | 3.92 | 3.90 | 3.87 |
| 7 | 5.59 | 4.74 | 4.35 | 4.12 | 3.97 | 3.87 | 3.79 | 3.73 | 3.68 | 3.64 | 3.57 | 3.53 | 3.49 | 3.47 | 3.44 |
| 8 | 5.32 | 4.46 | 4.07 | 3.84 | 3.69 | 3.58 | 3.50 | 3.44 | 3.39 | 3.35 | 3.28 | 3.24 | 3.20 | 3.17 | 3.15 |
| 9 | 5.12 | 4.26 | 3.86 | 3.63 | 3.48 | 3.37 | 3.29 | 3.23 | 3.18 | 3.14 | 3.07 | 3.03 | 2.99 | 2.96 | 2.94 |
| 10 | 4.96 | 4.10 | 3.71 | 3.48 | 3.33 | 3.22 | 3.14 | 3.07 | 3.02 | 2.98 | 2.91 | 2.86 | 2.83 | 2.80 | 2.77 |
| 11 | 4.84 | 3.98 | 3.59 | 3.36 | 3.20 | 3.09 | 3.01 | 2.95 | 2.90 | 2.85 | 2.79 | 2.74 | 2.70 | 2.67 | 2.65 |
| 12 | 4.75 | 3.89 | 3.49 | 3.26 | 3.11 | 3.00 | 2.91 | 2.85 | 2.80 | 2.75 | 2.69 | 2.64 | 2.60 | 2.57 | 2.54 |
| 13 | 4.67 | 3.81 | 3.41 | 3.18 | 3.03 | 2.92 | 2.83 | 2.77 | 2.71 | 2.67 | 2.60 | 2.55 | 2.51 | 2.48 | 2.46 |
| 14 | 4.60 | 3.74 | 3.34 | 3.11 | 2.96 | 2.85 | 2.76 | 2.70 | 2.65 | 2.60 | 2.53 | 2.48 | 2.44 | 2.41 | 2.39 |
| 15 | 4.54 | 3.68 | 3.29 | 3.06 | 2.90 | 2.79 | 2.71 | 2.64 | 2.59 | 2.54 | 2.48 | 2.42 | 2.38 | 2.35 | 2.33 |
| 16 | 4.49 | 3.63 | 3.24 | 3.01 | 2.85 | 2.74 | 2.66 | 2.59 | 2.54 | 2.49 | 2.42 | 2.37 | 2.33 | 2.30 | 2.28 |
| 17 | 4.45 | 3.59 | 3.20 | 2.96 | 2.81 | 2.70 | 2.61 | 2.55 | 2.49 | 2.45 | 2.38 | 2.33 | 2.29 | 2.26 | 2.23 |
| 18 | 4.41 | 3.55 | 3.16 | 2.93 | 2.77 | 2.66 | 2.58 | 2.51 | 2.46 | 2.41 | 2.34 | 2.29 | 2.25 | 2.22 | 2.19 |
| 19 | 4.38 | 3.52 | 3.13 | 2.90 | 2.74 | 2.63 | 2.54 | 2.48 | 2.42 | 2.38 | 2.31 | 2.26 | 2.21 | 2.18 | 2.16 |
| 20 | 4.35 | 3.49 | 3.10 | 2.87 | 2.71 | 2.60 | 2.51 | 2.45 | 2.39 | 2.35 | 2.28 | 2.22 | 2.18 | 2.15 | 2.12 |
| 21 | 4.32 | 3.47 | 3.07 | 2.84 | 2.68 | 2.57 | 2.49 | 2.42 | 2.37 | 2.32 | 2.25 | 2.20 | 2.16 | 2.12 | 2.10 |
| 22 | 4.30 | 3.44 | 3.05 | 2.82 | 2.66 | 2.55 | 2.46 | 2.40 | 2.34 | 2.30 | 2.23 | 2.17 | 2.13 | 2.10 | 2.07 |
| 23 | 4.28 | 3.42 | 3.03 | 2.80 | 2.64 | 2.53 | 2.44 | 2.37 | 2.32 | 2.27 | 2.20 | 2.15 | 2.11 | 2.08 | 2.05 |
| 24 | 4.26 | 3.40 | 3.01 | 2.78 | 2.62 | 2.51 | 2.42 | 2.36 | 2.30 | 2.25 | 2.18 | 2.13 | 2.09 | 2.05 | 2.03 |
| 25 | 4.24 | 3.39 | 2.99 | 2.76 | 2.60 | 2.49 | 2.40 | 2.34 | 2.28 | 2.24 | 2.16 | 2.11 | 2.07 | 2.04 | 2.01 |
| 26 | 4.22 | 3.37 | 2.98 | 2.74 | 2.59 | 2.47 | 2.39 | 2.32 | 2.27 | 2.22 | 2.15 | 2.09 | 2.05 | 2.02 | 1.99 |
| 27 | 4.21 | 3.35 | 2.96 | 2.73 | 2.57 | 2.46 | 2.37 | 2.31 | 2.25 | 2.20 | 2.13 | 2.08 | 2.04 | 2.00 | 1.97 |
| 28 | 4.20 | 3.34 | 2.95 | 2.71 | 2.56 | 2.45 | 2.36 | 2.29 | 2.24 | 2.19 | 2.12 | 2.06 | 2.02 | 1.99 | 1.96 |
| 29 | 4.18 | 3.33 | 2.93 | 2.70 | 2.55 | 2.43 | 2.35 | 2.28 | 2.22 | 2.18 | 2.10 | 2.05 | 2.01 | 1.97 | 1.94 |
| 30 | 4.17 | 3.32 | 2.92 | 2.69 | 2.53 | 2.42 | 2.33 | 2.27 | 2.21 | 2.16 | 2.09 | 2.04 | 1.99 | 1.96 | 1.93 |
| 35 | 4.12 | 3.27 | 2.87 | 2.64 | 2.49 | 2.37 | 2.29 | 2.22 | 2.16 | 2.11 | 2.04 | 1.99 | 1.94 | 1.91 | 1.88 |
| 40 | 4.08 | 3.23 | 2.84 | 2.61 | 2.45 | 2.34 | 2.25 | 2.18 | 2.12 | 2.08 | 2.00 | 1.95 | 1.90 | 1.87 | 1.84 |
| 50 | 4.03 | 3.18 | 2.79 | 2.56 | 2.40 | 2.29 | 2.20 | 2.13 | 2.07 | 2.03 | 1.95 | 1.89 | 1.85 | 1.81 | 1.78 |
| 60 | 4.00 | 3.15 | 2.76 | 2.53 | 2.37 | 2.25 | 2.17 | 2.10 | 2.04 | 1.99 | 1.92 | 1.86 | 1.82 | 1.78 | 1.75 |
| 70 | 3.98 | 3.13 | 2.74 | 2.50 | 2.35 | 2.23 | 2.14 | 2.07 | 2.02 | 1.97 | 1.89 | 1.84 | 1.79 | 1.75 | 1.72 |
| 80 | 3.96 | 3.11 | 2.72 | 2.49 | 2.33 | 2.21 | 2.13 | 2.06 | 2.00 | 1.95 | 1.88 | 1.82 | 1.77 | 1.73 | 1.70 |
| 90 | 3.95 | 3.10 | 2.71 | 2.47 | 2.32 | 2.20 | 2.11 | 2.04 | 1.99 | 1.94 | 1.86 | 1.80 | 1.76 | 1.72 | 1.69 |
| 100 | 3.94 | 3.09 | 2.70 | 2.46 | 2.31 | 2.19 | 2.10 | 2.03 | 1.97 | 1.93 | 1.85 | 1.79 | 1.75 | 1.71 | 1.68 |
| 120 | 3.92 | 3.07 | 2.68 | 2.45 | 2.29 | 2.18 | 2.09 | 2.02 | 1.96 | 1.91 | 1.83 | 1.78 | 1.73 | 1.69 | 1.66 |
| 150 | 3.90 | 3.06 | 2.66 | 2.43 | 2.27 | 2.16 | 2.07 | 2.00 | 1.94 | 1.89 | 1.82 | 1.76 | 1.71 | 1.67 | 1.64 |
| 200 | 3.89 | 3.04 | 2.65 | 2.42 | 2.26 | 2.14 | 2.06 | 1.98 | 1.93 | 1.88 | 1.80 | 1.74 | 1.69 | 1.66 | 1.62 |
| 250 | 3.88 | 3.03 | 2.64 | 2.41 | 2.25 | 2.13 | 2.05 | 1.98 | 1.92 | 1.87 | 1.79 | 1.73 | 1.68 | 1.65 | 1.61 |
| 300 | 3.87 | 3.03 | 2.63 | 2.40 | 2.24 | 2.13 | 2.04 | 1.97 | 1.91 | 1.86 | 1.78 | 1.72 | 1.68 | 1.64 | 1.61 |
| 400 | 3.86 | 3.02 | 2.63 | 2.39 | 2.24 | 2.12 | 2.03 | 1.96 | 1.90 | 1.85 | 1.78 | 1.72 | 1.67 | 1.63 | 1.60 |
| 500 | 3.86 | 3.01 | 2.62 | 2.39 | 2.23 | 2.12 | 2.03 | 1.96 | 1.90 | 1.85 | 1.77 | 1.71 | 1.66 | 1.62 | 1.59 |
| 600 | 3.86 | 3.01 | 2.62 | 2.39 | 2.23 | 2.11 | 2.02 | 1.95 | 1.89 | 1.84 | 1.77 | 1.71 | 1.66 | 1.62 | 1.59 |
| 750 | 3.85 | 3.01 | 2.62 | 2.38 | 2.23 | 2.11 | 2.02 | 1.95 | 1.89 | 1.84 | 1.77 | 1.70 | 1.66 | 1.62 | 1.58 |
| 1000 | 3.85 | 3.00 | 2.61 | 2.38 | 2.22 | 2.11 | 2.02 | 1.95 | 1.89 | 1.84 | 1.76 | 1.70 | 1.65 | 1.61 | 1.58 |

TABLE A.4

 χ^2 (Chi-Squared) Distribution: Critical Values of χ^2 *Significance level*

| Degrees of freedom | 5% | 1% | 0.1% |
|--------------------|--------|--------|--------|
| 1 | 3.841 | 6.635 | 10.828 |
| 2 | 5.991 | 9.210 | 13.816 |
| 3 | 7.815 | 11.345 | 16.266 |
| 4 | 9.488 | 13.277 | 18.467 |
| 5 | 11.070 | 15.086 | 20.515 |
| 6 | 12.592 | 16.812 | 22.458 |
| 7 | 14.067 | 18.475 | 24.322 |
| 8 | 15.507 | 20.090 | 26.124 |
| 9 | 16.919 | 21.666 | 27.877 |
| 10 | 18.307 | 23.209 | 29.588 |



April 2024

Examination: End Semester Examination (UG Programmes)

Programme code:30

Programme: BSC Economics

Class: TY

Semester: VI

Name of the Constituent College: S K Somaiya College

Name of the Department: Economics

Course Code: 131U01C601

Name of the Course: International Finance

Duration : 2 Hrs.

Maximum Marks : 60

Instructions: 1)Draw neat diagrams 2)Assume suitable data if necessary

| Question No. | | Max. Marks | Co Attainment |
|---------------------|---|-------------------|----------------------|
| Q.1 | Explain the Following | | |
| A | Write in detail meaning and importance of international finance. | 08 | 01 |
| B | Discuss in detail negative impact of globalization. | 07 | 01 |
| | OR | | |
| C | Elaborate on important elements of international equity market. | 08 | 01 |
| D | Give detailed explanation on European Monetary System. | 07 | 02 |
| Q.2 | Explain the Following | | |
| A | Explain Bretton woods system and its features. | 07 | 02 |
| B | List down the features and advantages of flexible exchange rate system. | 08 | 02 |
| | OR | | |
| C | Recall meaning of FERA and write down its features. | 07 | 03 |
| D | Discuss factors responsible for the growth of euro currency market. | 08 | 03 |
| Q.3 | Explain the Following | | |
| A | Write in detail futures trading process. | 08 | 03 |
| B | Elaborate on Asian Development Bank. | 07 | 04 |
| | OR | | |
| C | Discuss the organizational structure of international bank of settlement. | 08 | 04 |
| D | Summarize monetary functions of European Central Bank. | 07 | 04 |
| Q.4 | Explain the Following (any three) | 15 | |
| A | Balance of trade. | | 01 |
| B | Indian depository receipts. | | 01 |
| C | Functions of forex market. | | 02 |
| D | Types of euro bond. | | 03 |
| E | Special Drawing Rights. | | 04 |



April 2024

Examination: End Semester Examination (UG Programme)

| | | |
|--|------------------|--|
| Programme code: Programme: TYBSC Hons. (Economics) | Class: TY | Semester: VI |
| Name of the Constituent College: S K Somaiya College | | Name of the Department: Economics |
| Course Code: 131U01C602 | | Name of the Course: Indian Mutual Fund Industry |
| Duration : 2 Hr. | | Maximum Marks : 60 |
| Instructions: 1)Draw neat diagrams 2)Assume suitable data if necessary 3) | | |

| Question No. | | Max. Marks | CO |
|---------------------|--|-------------------|-----------------------|
| Q1 | Answer the following: A)What are the roles and responsibilities of Trustee and Asset Management Company in a mutual fund B)Write in detail the legal structure and key regulatory guidelines while investing in mutual funds in India OR C)Highlight the legal and regulatory environment of fund mergers and scheme takeovers D)Explain the role of SEBI as a regulatory agency in mutual funds in India | 7 8 7 8 | 1 1 1 1 |
| Q 2 | Answer the following: A)What are the key functions of SRO? B)Write in detail about debt mutual funds in India OR C)Write in detail about derivatives market in India D)What are the elements of an investment policy? | 7 8 7 8 | 1 2 2 3 |
| Q 3 | Answer the following: A)What are the common restrictions on investment in mutual funds? B)What are the factors regarding performance evaluation of mutual funds? OR C)What are the key steps and considerations for tracking mutual funds performance? D)What is the role of an intermediary as a financial planner in mutual funds? | 7 8 7 8 | 3 4 4 4 |
| Q 4 | Answer the following conceptual questions: (Any 3) A)Trusteeship issues in context of mutual funds B)Investor's rights and obligations C)Intersection of equity markets and mutual funds D)Intersection of derivatives markets and mutual funds E)Role of mutual funds in India | 15 | 1 2 3 3 1 |



Semester (November 2023 - March 2024)

Examination: Semester Examination March 2024 (UG Programmes)

Programme code:

Programme: BSc Economics

Class: TY

Semester: VI

Name of the Constituent College: S K Somaiya College

Name of the Department: Economics

Course Code: 131U01C604

Name of the Course: Corporate Social Responsibility

Duration : 2 Hrs.

Maximum Marks : 60

Instructions: 1)Draw neat diagrams 2)Assume suitable data if necessary

| Question No. | | Max. Marks | CO Mapping |
|--------------|--|------------|------------|
| Q.1 | Answer the Following | | |
| a) | Explain in brief: The history and evolution of CSR. | 7 | 1 |
| b) | Describe the potential benefits of implementing of CSR by a company. | 8 | 1 |
| | OR | | |
| c) | Discuss about the theoretical development of CSR. | 7 | 1 |
| d) | Discuss the Case Study on State Bank of India (SBI) CSR activity. | 8 | 2 |
| Q.2 | Answer the Following | | |
| a) | Discuss the CSR Initiative by ONGC as a case study. | 7 | 2 |
| b) | Highlight the role of NGO's in CSR. | 8 | 2 |
| | OR | | |
| c) | Explain the UN Guiding Principles on Business and Human Rights. | 7 | 3 |
| d) | Highlight the 7 Principles of ISO-26000. | 8 | 3 |
| Q.3 | Answer the Following | | |
| a) | Explain Patagonia's Sustainability CSR Initiative. | 8 | 3 |
| b) | Discuss the CSR expenditure and activities as per the Companies Act 2013. | 7 | 4 |
| | OR | | |
| c) | Explain the process of Planning and Strategizing by a company in CSR. | 7 | 4 |
| d) | State 'operationalizing the institutional mechanism' as a step for implementing CSR. | 8 | 4 |
| Q.4 | Answer the Following (ANY 3) (5 marks each) | 15 | |
| 1 | Triple Bottom line Theory. | | 1 |
| 2 | External Stakeholders | | 2 |
| 3 | OECD Guidelines for multinational enterprises. | | 2 |
| 4 | Importance of CSR | | 1 |
| 5 | BP Amoco and Shareholder Activism | | 3 |