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| **23UTAL301** | | **nghJj;jkpo; - III** | **பருவம் - III** | | |
| இப்பாடத்திட்டத்தின்நோக்கங்களாவன   * rkaq;fs; gw;wpmwpKfk; nra;jy; * rka ,yf;fpaq;fs; gw;wpkhzth; mwpAkhWnra;jy; * gpwePjp ,yf;fpaq;fs; %yk; khzth;fSf;Fmwj;jpidtypAWj;Jjy; | | | | | |
| **Credits: 3 Total Hours: 50** | | | | | |
| **UNIT** | ***CONTENTS*** | | | **Hrs** | **CO** |
| I | irtk;>itzk;  m) jpUQhdrk;ge;jh; - NfhsWgjpfk;  M) FyNrfuho;thh; - ngUkhs; jpUnkhop- jpUg;gjpapy; gpwf;fmthTWjy;. | | | 10 | **CO1** |
| II | fpUj;Jt ,];yhkpa ,yf;fpaq;fs;  m) fz;zhjrd; - ,NaRfhtpak; -rpYitghL (Kjy; 10 ghly;)  M) rPwhg;Guhzk; - EGtj;Jf;fhz;lk; - khDf;Fg;gps;isepd;wglyk; | | | 10 | **CO2** |
| III | gpwePjp ,yf;fpaq;fs;  m) nfhd;iwNte;jh; - Kjy; 20 ghly;fs;  M) ntw;wpNtw;if-Kjy; 20 ghly;fs;  ,) ePjpnewptpsf;fk; - Kjy; 5 ghly;fs;  <) cyfePjp - Kjy; 5 ghly;fs;  c)%Jiu -Kjy; 5 ghly;fs; | | | 10 | **CO3** |
| IV | rka ,yf;fpatuyhW  m) irtk; Njhw;wk; tsh;r;rp  M) itztk; Njhw;wk; tsh;r;rp  ,) fpwpj;JtNjhw;wk; tsh;r;rp  <) ,];yhk; Njhw;wk; tsh;r;rp  c)gpw;fhyePjp ,yf;fpaq;fs; mwpKfk; | | | 10 | **CO4** |
| V | ,yf;fzk;  m) mzpapyf;fzk;  1. jw;Fwpg;Ngw;wmzp  2. ctikazp  3. gpd;tUepiyazp  4. cUtfmzp  5. tQ;rGfo;r;rpazp  6. cah;Tetpw;rpazp  7. epuy;epiwazp  8. ,ul;Lwnkhopjy; mzp  M) nkhopg;ngah;g;G (Mq;fpyk; - jkpo;) | | | 10 | **CO5** |
| **பாடநூல்** | | | | | |
| 1.jkpo;j;JiwntspaPL | | | | | |
| **பார்வைநூல்கள்** | | | | | |
| j.Nfh.Nte;jd;>ehyhapujpt;agpuge;jk;>rhujhgjpg;gfk;>nrd;id> 2017  jkpoz;zy;>GjpaNehf;fpy; jkpo; ,yf;fpatuyhW>kPdhl;rpGj;jfepiyak;>kJiu– 2017.  jz;bayq;fhuk;>fofntspaPL. | | | | | |

**COURSE OUTCOMES(CO)**

இப்பாடத்தைக் கற்பதன் வாயிலாக மாணவர்கள் பெறும் பயன்களாவன

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| --- | --- |
| **CO1** | gf;jp ,yf;fpaq;fs;>nkhoptsh;r;rpf;Fcjtpaijf; $Wjy;. |
| **CO2** | rka ,yf;fpaq;fs; gw;wpmwpjy; |
| **CO3** | ePjp ,yf;fpaq;fs; top mwj;ijtypAWj;Jjy; |
| **CO4** | rka ,yf;fpaq;fs; Njhw;wk; tsh;r;rpiamwpjy;. |
| **CO5** | nkhopapd; mbg;gil ,yf;fzj;ijmwpjy;. |

**MAPPING**

|  |  |  |  |  |  |  |  |  |  |  |
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| **PSO**  **CO** | **PO1** | **PO2** | **PO3** | **PO4** | **PO5** | **PSO1** | **PSO2** | **PSO3** | **PSO4** | **PSO5** |
| **CO1** | **H** | **H** | **H** | **H** | **H** | **H** | **H** | **M** | **M** | **M** |
| **CO2** | **H** | **L** | **L** | **L** | **L** | **L** | **H** | **M** | **M** | **M** |
| **CO3** | **H** | **H** | **H** | **H** | **H** | **H** | **H** | **M** | **M** | **M** |
| **CO4** | **H** | **M** | **M** | **M** | **M** | **M** | **H** | **M** | **M** | **M** |
| **CO5** | **H** | **H** | **H** | **H** | **H** | **H** | **H** | **M** | **M** | **M** |

**H – High; M – Medium ; L - Low**

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| **23UTAL401** | | **nghJj;jkpo; - IV** | **பருவம் - IV** | | |
| இப்பாடத்திட்டத்தின்நோக்கங்களாவன   * rq;f ,yf;fpaq;fismwpKfk; nra;jy;. * mw ,yf;fpaq;fs; gw;wpkhzth;fs; mwpanra;jy; * ,yf;fpatuyhWfismwpaitj;jy; | | | | | |
| **Credits: 3 Total Hours: 50** | | | | | |
| **UNIT** | ***CONTENTS*** | | | **Hrs** | **CO** |
| I | rq;f ,yf;fpak; (vl;Lj;njhif)  m) FWw;njhif–ghly; 2>3>4>40>167  M) fypj;njhif–ghly; 1-15  ,) GwehD}W –ghly; 3>112  <) Iq;FWE}W –Ntl;ifg;gj;J (Kjy; 15 ghly;fs;) | | | 10 | **CO1** |
| II | rq;f ,yf;fpak; (gj;Jg;ghl;L)  m) Ky;iyg;ghl;LKOtJk; (103 thpfs;) | | | 10 | **CO2** |
| III | mw ,yf;fpak;  m) jpUf;Fws; - tpUe;Njhk;gy;  M) ehybahh; - fy;tp (Kjy; 5 ghly;fs;)  ,) ,dpaitehw;gJ–Kjy; 5 ghly;fs;  <) KJnkhopf;fhQ;rp–jz;lhg;gj;J | | | 10 | **CO3** |
| IV | ,yf;fpatuyhW  m) Kr;rq;ftuyhWmwpKfk;  M) vl;Lj;njhif E}y;fs;  ,) gj;Jg;ghl;L E}y;fs;  <) gjpndz;fPo;f;fzf;F E}y;fs; | | | 10 | **CO4** |
| V | ,yf;fzk;  m) ty;ypdk; kpFk;kpfh ,lq;fs;  M) jd;tpid>gpwtpid>nra;tpid>  nra;ghl;Ltpidthf;fpaq;fs;  ,) Neh;fhzy; | | | 10 | **CO5** |
| **பாடநூல்** | | | | | |
| 1.jkpo;j;JiwntspaPL  . | | | | | |
| **பார்வைநூல்கள்** | | | | | |
| r.Nt.Rg;gpukzpak;>gjpnzd;fPo;f;fzf;F E}y;fs;>kzpthrfh; gjpg;gfk;>nrd;id> 2012.  GypA+h; Nfrpfs;>FWe;njhif>rhujhgjpg;gfk;>nrd;id- 2010  Ky;iyg;ghl;L>kiwkiyabfs;> ,uhikahgjpg;gfk;>nrd;id- | | | | | |

**COURSE OUTCOMES(CO)**

இப்பாடத்தைக் கற்பதன் வாயிலாக மாணவர்கள் பெறும் பயன்களாவன

|  |  |
| --- | --- |
| **CO1** | vl;Lj;njhif E}y;fs; gw;wpmwpjy;. |
| **CO2** | gj;Jg;ghl;L E}y;fs; gw;wpmwpjy;. |
| **CO3** | mw ,yf;fpaq;fs; top tho;f;if $Wfisczh;j;Jjy; |
| **CO4** | ,yf;fpatuyhw;wpd; Njhw;wk; tsh;r;rpiamwpjy; |
| **CO5** | mbg;gil ,yf;fzj;ijmwpjy;. |

**MAPPING**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **PSO**  **CO** | **PO1** | **PO2** | **PO3** | **PO4** | **PO5** | **PSO1** | **PSO2** | **PSO3** | **PSO4** | **PSO5** |
| **CO1** | **H** | **H** | **H** | **H** | **H** | **H** | **H** | **M** | **M** | **M** |
| **CO2** | **H** | **H** | **H** | **H** | **H** | **H** | **H** | **M** | **M** | **M** |
| **CO3** | **H** | **L** | **L** | **L** | **L** | **L** | **H** | **M** | **M** | **M** |
| **CO4** | **H** | **M** | **M** | **M** | **M** | **M** | **H** | **M** | **M** | **M** |
| **CO5** | **H** | **H** | **H** | **H** | **H** | **H** | **H** | **M** | **M** | **M** |

**H – High; M – Medium ; L - Low**