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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;rpazp6. cah;Tetpw;rpazp 7. epuy;epiwazp 8. ,ul;Lwnkhopjy; mzpM) 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> 2017jkpoz;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;fpatuyhWm) 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- 2010Ky;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**