time) and Research Associateship for Women (part-time) leading to postdoctoral research.

(b) No, Sir.

(c) Retired teachers, not above the age of 65, apply for financial assistance for individual research projects. UGs does not provide fellowships but a fixed honorarium to such individuals.

Fay fixation of teachers and librarians of Delhi Administration

3020. SHRI THOMAS KUTHIRA-VATTOM:

SHRI GHUFRAK AZAM:

Will the PRIME MINISTER be pleased to state:

(a) whether the pay of the Central Government employees, on trans. fer of their services in Delhi Ad. ministration Schools as teachers and librarians, and the pay of some teachers and librarians working in Senior Secondary Schools of Delhi Administration has not been fixed since the 1st January, 1986;

(b) if so, the details thereof; and

(c) what steps are being taken in this regard?

THE MINISTER OP STATE IN THE MINISTRY OF HUMAN RESOURCE DEVELOPMENT (SHRI CHIMBANBHAI MEHTA): (a) There is no complaint in this regard on the recards of the Delhi Administration

(b) and (c) Do not arise.

Centres for Diploma programmes in Computer applications in Hindi

3021. SHRI ANANTRAY DEV. SHANKER DAVE: Will the PRIME MINISTER be pleased to state:

(a) whether it is a fact that the Department of Electronics has supported a number of Centres for Diploma Programme in Computer Ap-

plications in Hindi medium since 1964 but some other centres offer it only in English;

(b) whether it is a fact that instructional material for above subjects is not so far ready in Hindi;

(c) if so, the reasons therefor;

(d) what steps Government propose to take to remedy the situation; and

(e) what are the job prospects of pass-out of DCA in Hindi medium?

THE MINISTER OF STATE IN THE MINISTRY OF SCIENCE AND TECHNOLOGY (PROF. M; G. K. MENON): (a) to (d) Department of Electronics has so far supported 9 Centres for Diploma programme in Computer Applications (DCA*) in Hindi medium. However, 2 Centres are reported to be offering courses in English due to non-availability of adequately trained faculty. There is a general problem of shortage of books in Hindi medium. However, in these Centres, English and Hindi are mixed while teaching the subjects. Depending upon the response of the students and their prepared-ness, the switch-over to teaching in Hindi becomes faster.

In order to overcome the above difficulties Government has taken the following steps: —

(i) One centre has been given additional responsibility for conducting DCA Teachers Training programme in Hindi. One more centre is being developed for the same purpose.

(ii) Financial assistance is being provided for writing articles and books on electronics in Hindi as well as for translation of books on elec tronics into Hindi. A National award has also been instituted for writing original technical books in Hindi.   . "~'T-

(iii) Commission for Scientific & Technical Terminology (CSTT) under the Ministry of Human Resource Development, is engaged in the following activities: —

(a) Standardisation of techni cal terminology in Hindi.

(b) Preparation of definition al dictionary in Hindi.

(c) Organisation of terminological workshop in Hindi.

(iv) Special technology products such as GIST (Graphics, & Intelligence based System Technology) and Character ROMs (Read only Memories) have already been developed to generate characters in several Indian Languages.

(e) With increase in the use of Hindi in computer applications in different fields by various organisations etc., the job prospect$_3$ for pass-outs of DCA in Hindi Medium are bright.

Software packages of UNIX Operating systems

3022.   SHRI   ANANTRAY   DEV-SHANKER   DAVE: Will   the   PRIME MINISTER be pleased to state:

(a) whether it is a fact that software packages around UNIX operating system are much more expensive than similar ones around MS-DOS, and the licence fee drains out as foreign exchange;

(b)   if so, the details thereof;

(o) what is the economic justification for introducing UNIX based software when usage of DOS software has not matured in Government offices and the computer utilization factor is very low;

(d) what are the details of utilization factor, number of PC$_S$ in Government offices, the prices of hardware and software; and

(e) what percentage of the **PCs** in Government Departments having facilities for bi-lingual processing with MS-DOS and with UNIX operat. ing systems?

THE MINISTER OF STATE IN THE MINISTRY OF PLANNING AND THE MINISTER OF STATE IN THE MINISTRY OF PROGRAMME IMPLEMENTATION (SHRI BHAGEY GOBARDHAN): (a) No, Sir. The UNIX Operating System is basically for multiple Users whereas MC-DOS is for a single user. The two systems are not comparable. However, on the basis of the cost per terminal, UNIX Operating System together with associated system soft. ware is cheaper than those based on MS-DOS.

(b) Does not arise.

(a) The economic justification for using UNIX based software is in multi-user situations or as part of a large network or is for getting the best out of 32 bit super micro and super mini computers.

(d) and (e) Information is being compiled.

Periodic Research Journal in Electronics in Hindi

3023.   SHRI   ANANTRAY   DEV-SHANKER   DAVE: Will   the   PRIME MINISTER be pleased to state:

(a^1) whether it is a fact that some professional societies have approached the Department of Electronic for grants to bring out a period research journal in Electronic in Hindi;

(b)   if so, details thereof;

(c) what steps have been taken during last five years to increase the readership of technical articles in Hindi in Electronics, Bio. technology,   non-conventional   energy sources, space and atomic energy; and