



Government of Madhya Pradesh



“ राज्य में उपलब्ध प्रशिक्षण संसाधनों को लोक निजी भागीदारी के माध्यम से विकसित करना एवं प्रदेश के युवाओं को प्रशिक्षित कर रोजगार/स्वरोजगार उपलब्ध कराना मध्यप्रदेश सरकार की प्राथमिकता एवं संकल्प। ”

शिवराज सिंह चौहान  
मुख्यमंत्री, म.प्र.

## Technical Education and Skill Development Policy-2012 (as amended on 26th September 2014)

## तकनीकी शिक्षा एवं कौशल विकास नीति-2012

(दिनांक 26 सितम्बर, 2014 को किए गए संशोधन सहित)



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Government of Madhya Pradesh

Department of Technical Education  
and Skill Development

मध्यप्रदेश शासन

तकनीकी शिक्षा एवं कौशल विकास विभाग

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**Government of Madhya Pradesh**

## **Department of Technical Education and Skill Development**

**Technical Education and  
Skill Development Policy-2012  
(As amended on 26 September 2014)**



## **1.0 Prologue-**

Rapid growth is necessary in the field of Technical and Vocational Education to keep the growth rate of the country above 10%. It has been observed that the economic progress of the state is directly related to the development of Technical and Vocational Education system. Those states, where good progress has been made in this field, have attracted higher private investments in manufacturing and service sectors.

Availability of quality employment oriented education ensures an increase in the working capability, productivity and employability of the people of the state on one hand while on the other hand their capacity for competitiveness in the international market can also be increased. In the above context, a comprehensive Technical Education and Skill Development Policy is essential for over all development of Technical Education and Skill Development sector in the state.

## **2.0 Background-**

During last few years, Technical and Vocational Education sector has witnessed rapid advancement. Keeping this in view, various commissions/agencies have given their recommendations for a balanced and economy centered development of Technical and Vocational Education. It is imperative to observe/study few of these important recommendations for the purpose of policy formulation.

- 2.1 As per the recommendations of the Knowledge Commission for Engineering Education, Over the next decade, India will come across two significant opportunities in the form of manufacturing and Engineering Services Outsourcing (ESO). For India to make the most of these opportunities, the number of engineers has to be increased and the quality enhanced.  
Besides strengthening the current institutional structure of Vocational Education, the National Knowledge Commission has proposed, to build an alternative structure to increase capacity, to fulfill the demand of skilled craftsmen and to train the laborers in the field of informal and unorganized sector. This includes public private partnership, computer based training, distance learning and a decentralized modal, keeping in view the local needs and capabilities.
- 2.2 In the Approach Paper to the 12<sup>th</sup> Five Year Plan recommendations made with respect to the Skill Development and Technical Education, are as follows:-
  - (i) State Skill Development Missions in all States would have to be fully operational and effective during the Twelfth Plan.
  - (ii) Skill formation takes place in a demand driven manner. Curriculum for skill development has to be reoriented on a continuing basis to meet the demands of the employers/industry and align it with the available self-employment opportunities. Accreditation and certification system has to be improved. There is a need to establish an institutional mechanism for providing access to information on skill inventory and skill maps on a real time basis.

- (iii) Skill Development Centres can be established in existing education and training institutions.
  - (iv) A system of funding poor people for skill development through direct financial aid or loan also needs to be put in place.
  - (v) Private sector growth in higher education (including technical) should be facilitated and innovative Public-Private Partnerships (PPP) should be explored and developed in the Twelfth-Plan.
  - (vi) There must be a strategic shift from mere expansion to improvement in quality higher education.
  - (vii) A holistic and balanced expansion approach is needed to target under-represented sections of society. New institutions may be set up to bridge regional imbalances and disparities across disciplines and to address special economic, social and technological needs of the country.
  - (viii) Allocation of operating budget should be based on objective norms and new investments based on competitive grants and performance contracts. Reasonable tuition fee in higher education needs to be supplemented with appropriate publically-funded financial aid.
  - (ix) The scale and reach of scholarship schemes and student loans need to be enhanced. Government guarantees for student loans could be considered.
  - (x) Full implementation of examination reforms, choice-based credit and semester system must be ensured to enhance flexibility and provide greater choice.
- 2.3 The role and responsibilities of the State Government in the National Skill Development Policy 2009 are defined as follows:
- (i) Setting up priority and policy planning-statistics gathering.
  - (ii) Providing regulatory framework and enabling environment for stake holders.
  - (iii) Devising financing mechanism, reward and promotional framework.
  - (iv) Capacity building of social partners.
  - (v) Setting up of monitoring, evaluation and dissemination of information.
  - (vi) Facilitating international co-operation.
  - (vii) Setting up of a qualification framework and quality assurance mechanism.
  - (viii) Preparation of work plans to meet sector specific skill sets.

The Technical Education and Skill Development Policy, 2012 takes into cognizance the above mentioned recommendations.

### **3.0 Present scenario of Technical Education and Skill Development in the state-**

Madhya Pradesh is one of the fastest growing states in the country with a growth rate of more than 10%. To sustain and increase the present growth rate, it is necessary that the available manpower is technically trained and as per the demand in the international market. It is

well known that the role of trained, skilled and productive man-power in technical sectors is paramount for over all development.

In the current global scenario, the state government has played the role of a positive catalyst in ensuring the availability of ever increasing demand of skilled manpower in the State and the country. As a result of this, it has been made possible to set up 1357 Technical Training Institutions with an intake capacity of 258333 and the state has emerged as an important educational hub in the field of Technical Education and Vocational Training.

Type of Institution	Number	Intake Capacity
Engineering / Architecture College	217	99262
MCA College	62	4120
MBA College	199	21582
B. Pharma/D. Pharma Institutions	100	7360
Polytechnic College	143	27499
Hotel Management and Catering Technology (Degree+ Diploma)	02	180
Industrial Training Institutes (ITIs)	499	61130
Skill Development Centers (SDCs)	135	37200
<b>Total</b>	<b>1357</b>	<b>258333</b>

During the last five years, the development of Technical and Vocational Education took place at a fast pace. However, as per the available data, the state is still behind the national average of available seats per lakh population in many disciplines. As per the data of the Labor Ministry, the state stands at the 11th position in the country on the total number of seats available in the Government and Private ITIs. The short-term training programs are in great demand in the state and currently there are only 135 Skill Development Centers (SDCs) and Vocational Training Providers (VTPs) providing short term courses. This has also been repeatedly emphasized by the Human Resource Development Ministry and AICTE, that the development of Technical and Vocational Education in the state requires immediate action so that the youth of the state can take advantage of the opportunities arising on account of economic development.

In the opinion of the several national level industrial organizations, the man-power currently being trained by the Technical Educational Institutions is not as per the demand of the market and industry and the quality is also not of expected level. There are still several trades where there is a high demand of skilled manpower, however neither the institutions have the

required capacity to train as per the demand nor the courses available are as per the requirement.

Although, there has been a sharp increase in the technical educational institutions offering graduate and post-graduate level courses in the state, but the number of institutions, number of courses, availability of seats and intake capacity at the Polytechnic and ITI level, has not increased in the same proportion. Thus there is a need for a policy that promotes a balanced and integrated development of technical education at various levels.

## **4.0 Mission-**

This policy shall ensure opportunities for lifelong employment oriented technical education and skill development in the global context to the youth of the state and to those who wish to upgrade skills through specified skills, knowledge and recognized national and international qualifications.

## **5.0 Aim-**

- 5.1 To ensure contribution to the overall social and economic development of the state through high quality technical education and vocational training.
- 5.2 To provide world class training and technical education opportunities to the youth of the state in the context of the changing demands.
- 5.3 To ensure prescribed quality standards in the Technical Education Institutions. (including Private Sector).
- 5.4 To attract private investment in the field of Technical and Vocational Education.

## **6.0 Objectives-**

- 6.1 Provide an enabling environment for progressive advancement of Technical Education and Vocational Training in the state.
- 6.2 Ensure inclusive expansion of Technical Education and Vocational Training relevant to stakeholders in the state.
- 6.3 Encourage greater private participation in the management of government educational training institutions and innovation in the Technical Education and Vocational Training.
- 6.4 Provide educational infrastructure for the need based development.
- 6.5 Provide opportunities for training and certification to the school dropouts, working labor, child labor and informally trained labor that have no certification for their skill.
- 6.6 Strengthen linkages of technical education institutions with industries for mutual benefits.
- 6.7 Upgrade skills through regular courses as per the needs of the industry and to provide technology course in the emerging areas.
- 6.8 Take maximum benefits of the schemes of Government of India.
- 6.9 Make efforts for optimal utilization of the resources of other departments for implementation of technical education programs.

- 6.10 Develop infrastructure of Technical Education and Vocational Training in such a way that it can also be used by other departments for fulfillment of their trainings and other needs.
- 6.11 Upgrade professional and managerial skills.
- 6.12 Motivate students to achieve world class skills.
- 6.13 Provide opportunity of skill development and technical education to all sections of the society without any gender bias.
- 6.14 Ensure a transparent and fast system in the management of Technical Education and Vocational Training through the use of information technology.
- 6.15 State Government shall encourage institutions situated in the State to implement National Vocational Education Qualification framework (NVEQF) and shall take necessary steps for its implementation.
- 6.16 Provide courses in digital format for Distance Education and online system of teaching.
- 6.17 Encourage institutions to achieve accreditation as per the national and international standards.

## **7.0 Scope of the Policy-**

All the courses under the ambit of Technical Education and Vocational Training at certification, diploma, graduate and post graduate level such as M.E, M. Pharma, M. Tech, PhD, MBA, B.E., B. Pharmacy, M.Sc., Diploma Pharmacy, and diploma in technical and non-technical disciplines, trades offered in ITIs, short term courses etc and all institutions conducting these courses.

## **8.0 Challenges-**

- 8.1 To competitively position the state as a better option in comparison to the other states in the arena of Technical Education and Skill Development;
- 8.2 To provide better training opportunities for Technical Education and Skill Development as per the demands of the industry;
- 8.3 To take efforts to raise the quality of technical education to world class level;
- 8.4 To provide training opportunities along with appropriate employment to every needful youth;
- 8.5 To invite Institutions/Universities of National/International repute to establish institutions in Madhya Pradesh;
- 8.6 To forecast need of technically trained man power on regular intervals based on skill mapping and skill gap analysis and to start new courses / revise existing courses to fill the skill gap;
- 8.7 To develop certification mechanism for the informally trained people;
- 8.8 To expand training facilities through an alternative framework with the inclusion of the private education / training provider.

## **9.0 Strategy-** Strategy for qualitative improvement, quantitative increase and increase in its scope and outreach in Technical Education and Skill Development sector is as follows:-

- 9.1 **Outreach of Technical Education and Vocational Training-** Establishment of at least an ITI and Skill Development Center in each block and establishment of a Polytechnic College in each district, which shall provide timely and demand based training to the youth so as to enable them to acquire employment at the local, state, country and international level.
- 9.2 **Skill- mapping, skill- gap analysis and forecast of the need of technically skilled manpower-** Institutional mechanism shall be prepared in the national and international context for continuous assessment of the current and future demand of the courses being conducted in the state through skill mapping and skill gap analysis. Courses shall be launched to prepare skilled manpower as per the requirement of the industrial scenario.  
Assessment/audit of the prevalent courses/training programs shall be done with the help of Government of India or by enrolling private agencies/organizations to determine their utility and forecast future requirements.
- 9.3 **Up gradation to Model Institutions-** To develop the state as a hub of Technical Education and Skill Development, selected institutions shall be upgraded as Model Institutions. By strengthening and upgrading the institutions, world class manpower shall be trained and these institutions shall be marketed and branded separately. These institutions shall operate minimum of 6 courses, which shall be accredited by national agencies. Modern infrastructure and live contact with the industry shall be the specialty of these institutions. Efforts shall be made to develop every institution into Centre of Excellence in a specific sector. These institutions shall have Industry Institution Interaction (III) cell and Entrepreneurship Development Center. These institutions shall have the freedom to obtain international cooperation for up gradation so that training of the manpower can take place as per the national and international standards.  
Under the scheme, ITIs situated at district headquarter shall be upgraded as a model ITIs.  
10 autonomous Polytechnic Colleges situated at Divisional headquarters and 04 autonomous engineering colleges shall be upgraded as Centre of Excellence in a specific sector.
- 9.4 **Encouragement to Private Investment-** Private investment shall be encouraged in the Technical Education and Skill Development keeping in view the limited resources of the State Government and to harness the experiences and capabilities of Private Education/ Training providers. Private investment shall have a significant role in rapid growth of skill development and in increasing its outreach and scope. To encourage private investment, following projects shall be prepared and implemented:

#### **9.4.1.**

#### **Industrial Training Institute (ITI) :**

Industrial Training Institutes shall be established in those blocks where no Government/Private ITI exists offering training in minimum 6 NCVT affiliated trades with minimum intake capacity of 240 trainees per annum. Such ITI shall have minimum 6 trades affiliated to NCVT with an intake capacity of 240. The number of trades could be increased on demand of students and industry.

The trades in such ITIs setup with private participation shall be decided by private partner in consultation with the State Government on the basis of demand of students and industry. These trades would be from the four categories given in annexure-A.

##### **9.4.1.1.**

##### **Land :**

To establish an ITI in un-serviced blocks, a maximum of 5 acres of Government land shall be provided at free of cost. The term lease of land shall be initially for a period of 30 years. The private skill provider shall compulsorily make the proposed capital investment within 24 months else the land shall be re-vested in the State Government.

##### **9.4.1.2**

##### **Grant on capital investment (bidding parameter) :**

State Government would provide capital grant to private partner to setup ITIs under Public Private Partnership (PPP) model. The amount of such grant would be decided on the basis of Viability Gap Funding (VGF) given by Central Government. The total amount of grant provided by Government of India and State Government shall be limited to 40% of total capital cost of ITI or Rs. 3.00 crore, whichever is less. The State Government grant would be limited to the financing of deficit, arising from deduction of the grant prescribed by Government of India from the total grant (40% of total capital cost of ITI or Rs. 3.00 crore, whichever is less).

The built up area of such ITI should be minimum 2500 sq.m.

Selection of the investor shall be on the basis of minimum grant on capital investment quoted, provided the investor meets the prescribed technical qualifications and fulfils all the laid down conditions. Grant shall be disbursed in 3 instalments, in the following manner:-

- (1) First Installment :** One-third of the amount on completion of the building construction up to plinth level;
- (2) Second Installment :** Half of the remaining amount on completion of building;
- (3) Third Instalment :** Remaining amount after ITI is fully established and achieved affiliation in minimum 3 trades from NCVT.

#### **9.4.1.3 Reimbursement of Training Fees :**

The training fees of such ITIs shall be decided by the State Government and shall be given in the advertisement released for setting up ITIs by private investors.

The Training fees shall be decided for a group of trades as per the classification given in annexure-A.

Reimbursement of training fee by State Government for 50 percent of the seats of the total sanctioned intake shall be made for the duration of contract. Students for such seats would be sponsored by State Government. State Government would review fee every three years and thereafter reimbursement would be according to such ascertained fee. If seats under State Government quota are not filled, private investor would be at liberty to fill these seats but State Government shall not reimburse their training fee.

Payment of training fee shall be made in two instalments against submission of bank guarantee; First instalment of 60 percent of the training fee shall be given at the time of admission and the remaining amount after passing of students.

#### **9.4.1.4 Reimbursement of Lodging Fees :**

Reimbursement of lodging expenses of the trainees at the rate of Rs. 1000.00 per month per trainee shall be made for trainees registering minimum 80 present attendance. No other amount than this shall be charged from trainees. Reimbursement shall be made only for Government sponsored trainees residing in the hostel. The private investor shall make separate arrangement of hostel for boys and girls. State Government after ascertaining special need of particular ITI would provide grant for construction of hostel. This grant would be on the basis of number of trainees sponsored by State Government. Maximum limit for this grant would be 50 % of the cost of construction derived according to State Government norms. Department would fix the norms for construction of hostels. On construction of a hostel in a particular ITI, the reimbursement of lodging fee as above would stop.

#### **9.4.2. Skill Development Centres (SDCs) :**

Skill Development Centres would be setup at Block headquarter or in any other location of the Block, where there is need for such a SDC. These centres would impart training in at least four modules under the Modular Employable Scheme (MES) of Ministry of Labour and Employment, Government of India. Training Programme shall be as prescribed by National Occupation Standard (NOS) of National Skill Development

Corporation (NSDC) under MES or as per the curriculum prescribed by the State Government. Each such SDC would train a minimum of 300 trainees per annum.

(a) The State Government would facilitate availability of Government building/ school building/ building of local bodies or autonomous bodies. Rent of such building, fixed as per Government procedure would have to be paid by the private investor. In absence of such facility, it is the responsibility of private partner to arrange building for skill training.

In case a Government College Building is selected to run a private Skill Development Centre, the students of such college shall have preference in any one of the training programme, thereafter if the seats remain vacant, opportunity of admission shall be given to the students of other local Government college as per the need.

If such centre operates beyond office hours, the responsibility of maintaining security and discipline shall rest with the concerned Skill Development Centre.

(b) On the basis of special need of an area, State Government would provide hostel facility for trainees of SDC. The State Government would also consider construction of hostel, where hostel facility does not exist.

(c) State Government would provide accommodation to the trainees belonging to Scheduled Casts, Scheduled Tribes, Other Backward Classes, physically challenged, women trainees etc. under the existing Government schemes for such sections.

(d) State Government would facilitate providing necessary space in existing Government buildings to establish Skill Development Centre in case the proposals to impart skill training is received from, not for profit companies, set up under section 8 of Company Act 2013 or under Corporate Social Responsibility of Company Act 2013, provided, it does not affect the regular Government work.

#### **9.4.2.1**

#### **Grant for Equipment for Skill Development Centre (SDC) :**

State Government shall provide grant of up to 25 percent of total cost of equipment or Rs. 10 lakh, whichever is less, to the private investor. Such grant shall be disbursed in 2 instalments:

**(1) First Instalment :** 75 percent on registration of the centre as VTP;

**(2) Second Instalment :** Remaining amount of 25% after passing out of the trainees of 1st batch in each of the four modules.

#### **9.4.2.2**

#### **Reimbursement of Training Fee (bidding parameter) :**

Reimbursement of training fee of the 50 percent of the seats sponsored by State Government shall be made for the contract duration. Selection of

private training providers shall be done on the basis of the lowest rate of training fee (per trainee per hour) quoted. This rate will depend on nature of modules, cost of equipments, record of training quality and number of trainees placed. For deciding this, the following process shall be adopted:

- (1) Deciding the trades/curriculum/modules by the State Government;
- (2) Fixation of fee (per trainee per hour) of such trades and cost of equipments by the State Government.
- (3) Receiving relevant information in prescribed format from private investors.
- (4) Technical evaluation of the proposals by expert committee.
- (5) Soliciting financial bid from technically qualified private investors (training providers).
- (6) Selection of private investor (private skill training provider).

The training fees payable to private investors shall be fixed for three years as per the process explained above and thereafter the above mentioned fee shall be increased by 10 percent every year by State Government, however private investor (skill training provider) shall continue to get the revised training fees from the beginning as payable by Government of India under MES scheme.

- b) Payment of training fee to SDCs shall be made in three instalments against bank guarantee;
- (1) first instalment of 50 percent to be given on admission, (2) second instalment of 25 percent after appearing for examination and (3) remaining 25 percent grant after passing the examination.

**Note :**

- I. The amount of the training fee payable by the State Government shall be the remaining amount calculated after deducting the training fee prescribed under MES of Government of India from the training fee approved for the private investor.
- II. These norms shall be followed till the Modular Employable Scheme of Government of India is in operation in its current format.

#### **9.4.2.3**

##### **Reimbursement of Assessment Fee :**

Assessment fee of all the candidates appearing for MES examination shall be reimbursed to Private Investor (Skill Training Providers) at the prescribed rate.

#### **9.4.3.1**

##### **Additional incentive as Placement Fees :**

Private Investor (Skill Training Providers) shall be paid Rs. 3000.00 (per trainee) as an additional incentive provided minimum 50 percent of the

candidates per batch are placed. This amount shall be released only for successfully placed candidates.

“Placement” means the trainee gets a job in an organised sector continuously for a period of minimum 6 months at a salary equivalent to minimum wages of skilled labour as prescribed by Government of MP.

**9.4.3.2**

**Miscellaneous :**

- 1) No restriction on the training fee to fill the rest of the 50 percent seats other than the 50% reserved for State Government quota;
- 2) Private agencies would be free to conduct other training courses after class hours;
- 3) After completion of 10 years, this arrangement shall be reviewed and decision regarding further arrangements would be taken.

**9.4.3.3**

**Reimbursement of the expenditure incurred on training of trainers :**

Reimbursement of the 50 percent expenditure incurred on training of trainers of ITIs and SDCs, established under this policy, shall be made under the following conditions:

- 1) Training of maximum of 10 trainers per ITI and 05 trainers per SDC in every two years;
- 2) Incentive for a maximum of 6 years from establishment of ITI / SDC;
- 3) Training is provided in State Government / Central Government approved institutions.

**9.4.4**

A scheme shall be prepared to hand over the management of State Government operated Skill Development Centers to the private agencies, on the laid down conditions.

**9.4.5**

A separate scheme shall be prepared to operate industry linked courses and for establishment of a wing by private investor in the existing institutions.

**9.4.6**

A scheme shall be made to encourage establishment of training centers in industrial areas/special economic zones to meet their need of skilled man power by the industries. Large industrial houses shall be encouraged to establish their own ITIs while investing in the state.

**9.4.7**

Government of India scheme to establish Polytechnic Colleges under PPP mode shall be leveraged and to encourage such institutions, land shall be given at no cost.

**9.4.8**

For increase in intake capacity, private engineering colleges shall be encouraged to operate Polytechnic and ITI level courses in the second shift.

**9.4.9**

In the context of industries being established in the Delhi-Mumbai

Industrial Corridor (DMIC), new ITIs shall be established and new trades shall be offered in existing ITIs located in the vicinity.

- 9.4.10** State Government shall reimburse all the expenses for purchase of instruments, furniture, books, computers, etc for conducting courses in emerging areas like Bio-Technology, Nano Technology, Robotics, etc in existing Engineering / Polytechnic Colleges and ITIs. The concerned agency shall have the right for selection of the students but would have to submit performance guarantee for giving cent percent job placement to the students passing the course.

**9.5 Activities of Madhya Pradesh Council for Vocational Education and Training-**

- 9.5.1 Under the skill development strategy, the council shall prepare a scheme for providing certification upon testing of knowledge and skills of a person and for recognition of such certificate for enrollment into higher education in future.
- 9.5.2 Division and District Level Committee for Vocational Education and Training (DLCVET) constituted under the Chairmanship of Commissioner and Collector respectively, to assist Madhya Pradesh Council for Vocational Education and Training shall be made functional.
- 9.5.3 Private Engineering Colleges, Polytechnic Colleges, Private Industrial Training Centers, various Government and Non-Government Agencies, Training Centers operated by Non-Government Organizations and interested industries shall be encouraged to register themselves as Vocational Training Providers under "Modular Employable Skills" scheme of the Government of India.
- 9.5.4 Scheme shall be made for certification of traditional crafts like Blacksmith, Carpenter, Masons, Potter, Cobbler, Beedi Maker, Gau Sevak and Organic Agriculture Farmers enabling them to earn their livelihood through skills in the competitive market.
- 9.5.5 Keeping in view the enhanced work of MPCVET in future, provision for recruitment of consultants shall be made in set up of MPCVET.

- 9.6 Establishment of Skill Development Center-** A Skill Development Center shall be established in every un-serviced block where short term trainings as per the local requirement shall be offered. Scheme shall be prepared to operate Skill Development Centers in un-serviced blocks with private investment. These SDCs shall be given incentives based on

the placement made available to the trained students.

The Department shall prepare a scheme to operate Skill Development Centers based on Hub and Spoke Modal (a main satellite center and other centers associated with it).

**9.7**

**Strengthening of Existing Technical Educational Institutions-**

- 9.7.1 Financial provisions shall be made to fill the vacancies in existing institutions and equip them with latest infrastructure.
- 9.7.2 Efforts shall be made for development of infrastructure of Government ITIs by taking loans from government resources and financial institutions. Government ITIs can be set up in buildings where buildings are given free of cost by private persons. Priority shall be given to establish new ITIs on the availability of appropriate Government buildings. Under the scheme of strengthening of ITIs, scheme shall be prepared to conduct six trades in all ITIs and only those trades which are relevant and aligned with industry demand shall be offered. Those institutions that are operating in rental buildings, shall offer minimum six trades and if required, additional building on rent shall be arranged to increase the number of trades.

**9.8**

**Efforts for Quality Improvement-**

- 9.8.1 To increase competition among institutions, annual ranking and grading of each private and public education institution shall be done through assessment based on an open and transparent system and on fix criteria.
- 9.8.2 An evaluation and incentive-based system shall be devised for working of each teacher /instructor.
- 9.8.3 Academic Audits by an independent and external agency shall be encouraged.

**9.9**

**Training of Teachers/Trainers-**

- 9.9.1 Long-term policy for training and knowledge enrichment of teachers/instructors shall be prepared to increase the quality of teaching. For training of each teacher scheme shall be prepared based on the training need-analysis done through scientific techniques.
- 9.9.2 A fully residential training institute/Staff Development College shall be established in the state for the training of different level of teachers and technical support staff, which shall conduct programmes based on the assessment of the training needs.
- 9.9.3 QIP scheme for training of ITI instructors shall be started to

provide the opportunity of further education to the ITI training officers so that they get graduate level education in the fields relevant for ITI.

- 9.9.4 Provisions shall be made to place the experts/managers/engineers of industries in the educational institutions and the teachers in the renowned industries for a certain period of time so that the educational institutions and industries are benefited mutually.

**9.10 Career Counseling and Placement-**

- 9.10.1 Madhya Pradesh Career Counseling and Placement Society shall be established which shall have a website portal for the students of educational institutions operating under various departments of Government, to provide a comprehensive information about educational opportunities available in the state in the field of Technical Education, Higher Education, Medical Education etc. The society shall conduct online off-campus process of admission as per the demand of the various departments. Society shall promote creativity pursuits in the students by organizing state level competitions of different kinds every year. Various bodies, industries, etc shall have the convenience to advertise their job requirements on this web portal.
- 9.10.2 Scheme shall be prepared to operate finishing schools in the institutions, to train students on soft/life skills. Scheme shall also be made to make pass out students employable by imparting work skills/soft skills through the scheme of finishing schools and to reimburse the fixed amount for each student for their enrollment in such activities.
- 9.10.3 Arrangements shall be made for passing on the data of pass out students of Engineering and Polytechnic Colleges and ITIs to employment offices and to display the same through them.
- 9.10.4 Effective implementation of the Apprentices Act, 1961 and Apprentices Rules,1991 shall be ensured.
- 9.10.5 Scheme shall be prepared for reimbursement of fixed cost per student to industry for providing facility of industrial training during study period.
- 9.10.6 Scheme shall be prepared for engaging placement agency who gives 100 percent guarantee of placement after training of pass out students.

**9.11**

**To Promote Research, Consultancy, Testing, Continuing Education and Project Work-**

- 9.11.1 Research and consultancy based programmes with industry's cooperation shall be promoted in the institutions which shall give opportunity of working on new technology to the students and to make them familiar with the "World of Work". It shall also contribute to the income of institution. A policy shall be made by the department to take service/maintenance/production work etc. of various customers in training-cum-production centers of the institutions.
- 9.11.2 Conduction of industry sponsored post graduate courses shall be encouraged.
- 9.11.3 Conduction of continuing education programs shall be promoted so that personnel working in industries, pass out students shall get the facility of lifelong learning in the emerging areas. Flexible and transparent system shall be in place to operate short-term courses to meet the need of the industries, through which conduction of courses in Distance Learning, Part Time mode and on week days would be possible either in the institution or in the industrial premises.
- 9.11.4 On the pattern of M.P. Laghu Udyog Nigam, Government ITIs/ Polytechnics/Engineering Colleges shall be authorized to do the repair work of equipments/furniture and electricity fittings without calling tenders.

**9.12**

**Conduction of latest Courses in the Emerging and Hi-tech areas and the Establishment of Institutions-**

- 9.12.1 Government institutions shall be provided with seed money to start courses on self financing basis.
- 9.12.2 Courses other than the conventional ones shall be introduced in Polytechnic Colleges and ITIs which shall prepare the youth to avail the opportunities of employment in industries or for self-employment. Some of the professional and occupational course like Fashion Technology, Insurance, Retail Management, Jewelry and Accessories Design, Real Estate Management, Hospitality Management, Hospital Management, Transport Management, Health Care, Medical Machine Operators, Mobile Repairing, Airline Personnel, Banking Operations, Front Office Management, Transportation Management, Security Management, Civil Contractorship, Customer Care Executive,

Medical Salesman, Share Trading, etc. need to be introduced in ITIs and Polytechnic Colleges.

9.12.3 Establishment of Engineering/Polytechnic Colleges/Private Universities of international level in the emerging areas shall be encouraged.

9.12.4 Institutions shall be encouraged to offer dual degree programs.

**9.13 E-learning, Web-based Learning and encouragement to Distance Education-**

By ensuring optimum use of information technology arrangements shall be made for e-learning, web-based learning. Efforts shall be made to establish Digital Library/Multimedia Centre in each government institution to enable students/trainees to acquire knowledge and understanding of international level.

**9.14 Strengthening of administrative capacity and e-governance-**

9.14.1 Institutions shall be given administrative, financial and academic autonomy.

9.14.2 Affirmative action shall be taken for effective implementation of schemes through enrichment of administrative capabilities and through international level exposure/training of administrative staff.

9.14.3 A web-based MIS system shall be developed for better coordination among agencies and between the Directorate and the Department for rapid exchange of information.

**9.15 Use of other government buildings for training-**

Efforts shall be made to provide public buildings of educational institutions after the class hours to other training providers. Plans shall be made to operate three months, short term vocational courses in the vacant buildings of selected High Schools/Higher Secondary Schools during summer vacations.

**9.16 Technical Education for disadvantaged groups-**

Special schemes for providing opportunities of Technical Education and Skill Development to the reserved categories, women and physically challenged shall be operationalized. ITIs/Polytechnics under Eklavya and Ambedkar schemes shall be established in the SC/ST dominated areas through the resources of Tribal Welfare Departments. Scheme for setting up separate educational institutions/ wing for the minorities, people affected by the gas tragedy and physically challenged persons shall be prepared in coordination with the Backward Class and Minority Welfare Department/Gas Relief Department/Social Justice Department.

- 9.17** **Preparing trained Man power for Knowledge Based Economy-**  
Keeping in view the state government initiative for encouraging use of Information Technology and for education, management, good governance, development, and effective and important role of the state government in empowerment of public and also to spread computer literacy among the public of the state, specially youth and to make Information Technology accessible to the common man, the state government shall establish Madhya Pradesh Knowledge Corporation so that people can be prepared for knowledge based society and economy.
- 9.18** **Cooperation of International/National Institutions/Agencies/Industries/Government Departments-**
- 9.18.1 Technical Educational Institutions shall be encouraged to have exchange of faculty/students and training programmes in collaboration with the Universities, institutions and industrial organizations of international level.
  - 9.18.2 Efforts shall be made to develop training facilities in ITIs/ Polytechnics in the context of schemes of other departments (which may require training), by which the beneficiaries of various departments can reach the remote region and the sources of income of the institutions shall also increase.
  - 9.18.3 To make the optimum use of resources available in the institutions, resource sharing, among the institutions, shall be encouraged.
  - 9.18.4 Institutions shall be able to organize specific courses/trainings through MOU/partnership with industry to meet the needs of specific trained manpower of the industries.
- 9.19** **Promotion and Expansion of Technical Education-**  
Tours should be conducted for the students of 10th to 12th classes to nearby Model ITIs or to the Technical Education Institutions with the objective of increasing awareness / interest in technical courses so that more and more students are motivated to work in the fields related with technical skills. State level and district level guidance-cum-employment fairs shall be organized for the promotion of courses of technical institutions.
- 10.0** Technical Education and Skill Development Department have been authorized to act as per the provisions incorporated in Technical Education and Skill Development Policy-2012.

- 11.0** The Apex level 'Industrial Promotion Empowered Committee' under the chairmanship of the Chief Minister is empowered to take decisions relating to clarifications and amendments in this Policy.
- 12.0** All the proposals received under this policy through TRIFAC shall be disposed under "Single Window System".

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*This document is the English version of the Hindi document, which has been approved by the State Government. There may be occasion to draw different inference(s) from Hindi & English versions. In case of all legal and other uses, the Hindi version of the document will be treated as authentic.*

## **ANNEXURE-'A'**

### **Course category : A**

1. Non - Engineering
2. Architectural Assistant
3. Building Maintenance
4. Draughtsman (Civil)
5. Draughtsman (Mechanical)
6. Mech. Communication Equipment Maintenance
7. Mechanic Lens/Prism Grinding
8. Physiotherapy Technician
9. Surveyor

### **Course category : B**

1. Carpenter
2. Electronic Mechanic
3. Electroplater
4. Fitter
5. Foundry man
6. Information Technology & Electronics System Maintenance
7. Interior Decoration and Designing
8. Laboratory Assistant (Chemical Plant)
9. Lift Mechanic
10. Mason (Building Constructor)
11. Mech. Repair & Maintenance of Two Wheelers
12. Mechanic (Radio & TV)
13. Mechanic (Tractor)
14. Mechanic Auto Electrical and Electronics
15. Mechanic Computer Hardware
16. Mechanic Consumer Electronics
17. Mechanic Industrial Electronics
18. Mechanic-cum-Operator Electronics Communication System
19. Painter General
20. Pump Operator-cum-Mechanic
21. Radiology Technician
22. Sanitary Hardware fitter
23. Sheet Metal Worker
24. Textile Mechatronics

### **Course category : C**

1. Electrician
2. Instrument Mechanic
3. Instrument Mechanic (Chemical Plant)
4. Marine Fitter
5. Mech. Repair & Maintenance of Light Vehicles
6. Mechanic (Diesel)
7. Mechanic (Motor Vehicle)
8. Mechanic (Refrigeration and Air-Conditioner)
9. Mechanic Agricultural Machinery
10. Mechanic Mechatronics
11. Mechanic Medical Electronics
12. Plastic Processing Operator
13. Plumber
14. Spinning Technician
15. Vessel Navigator
16. Weaving Technician
17. Wireman

### **Course category : D**

1. Attendant Operator (Chemical Plant)
2. Machinist
3. Machinist (Grinder)
4. Maintenance Mechanic (Chemical Plant)
5. Mech. Repair & Maintenance of Heavy Vehicles
6. Mechanic Machine Tools Maintenance
7. Operator Advanced Machine Tools
8. Tool & Die Maker (Dies & Moulds)
9. Tool & Die Maker (Press Tools, Jigs & Fixtures)
10. Turner
11. Welder (Gas and Electric)



मध्यप्रदेश शासन

## तकनीकी शिक्षा एवं कौशल विकास विभाग

### तकनीकी शिक्षा एवं कौशल विकास नीति-2012

(दिनांक 26 सितम्बर, 2014 को किए गए संशोधन सहित)



## 1-0 i Lrkouk (Prologue)&

nšk dsfodkl dh nj dks10% l svf/kd j [kusdsfy, rduhdh, oa0; kol kf; d f'k{kk ds{ks= ea rhozof) dh vko'; drk crkbzbzgA ; g nšk x; k gsfid jkT; dh vlfkld ixfr dk l h/kk l cik rduhdh, oa0; kol kf; d f'k{kk dsfodkl l s tMk gvk gA ftu jkT; ka eabl {ks= ea vf/kd fodkl gvk gSogka eB; QDpfjx vks l fo] l DVj ushkh vf/kd futh fuosk dksvkdf"kr fd; k gA

mPp xqkoRrk; Dr f'k{kk , oajkst xkj kdeq[kh i f'k{kk mi yC/k djkdj tgka, d vki i nškofl ; ka dh dk; qkerk mRikndrk , oajkst xkj i kusdh {kerk eaof) dksl quf'pr fd; k tk l drk gS oglamudh vrjkVh; cktkj eaifrLi /kzdh {kerk dksHh c<k; k tk l drk gA mi; Dr ifjiq; earduhdh f'k{kk , oa dksky fodkl dksinškeal esdr : i l sfodfl r djusgrq, d l exirduhdh f'k{kk , oadksky fodkl uhfr dh egrh vko'; drk gA

## 2-0 i "Bkkfe (Background)&

foxr o"kkfearduhdh , oa0; kol kf; d f'k{kk eahozxfr l sfolRkkj gvk gA ml snf"Vxr j [krs fofHku vki; kxk@ , tfl ; ka }kjk rduhdh , oa0; kol kf; d f'k{kk ds l rfy , oa vFk; oLFkk ij dflunr fodkl dsfy; svuqk k, anh gA ftueal sdN i eqk vuqk kvkakd voykdu@v/ ; u uhfr fu/kk .k ds fy, vko'; d gA

2-1 Kku vki; kx dh bathf; fja f'k{kk dsfy; svuqk k vuq kj vxysn'kd dsnksku Hkkjr ea eB; QDpfjx vks bathf; fja l fo] st+vkmVI ksl & 1b7 l vksds: i eankcgr vol j i sk gkusokys gA bu vol jkdk vf/kdre ykk mBkus dsfy, t+ jh gSfd Hkkjr ea bathf; jkadh l q; k c<kbztk, vks mudk Lrj Hkk l qkjk tk, A

0; kol kf; d f'k{kk dseksink l LFkxr <kpsdkseter djusds l kf&l kf jk"Vh; Kku vki; kx us{kerk c<kusdsfy, ofdyi d <kpsr k j dju dlyk dkjhxj kadh c<rh ekp dksijyk djusvks Jfedkaksvuk pkfjd rFkk vI xfBr {ks= eaif'k{kk i nku djusdk i Lrko fn; k gA buel kozfud futh l k>skjh deI; wj vki; k jk"Vh i f'k{kk njLFk f'k{kk vks LFkuh; vko'; drkvka rFkk {kerkvka dks /; ku ea j [krs gq , d fodsunr ekky 'kkfey gA

2-2 12ohai po"kh ; kst uk dsnf"Vdksk i = eadksky fodkl , oarduhdh f'k{kk dsfo"k; ea fuEufyf[kr vuqk k, adh xbzgA

- (i) jkT; Lrjh; dksky fodkl fe'ku dksiwk-%fØ; k'khy fd; k tk, A
- (ii) dksky fodkl ek vki; k j gkuk pkfg, , oafu; kst dksm | kxkadh ek vki; k j firsds fy, ml dh i kB; p; k j dk l rr~ vki; k j mleq[khdj.k fd; k tkuk pkfg, A , uohbD; Q dsrgr rduhdh Kku , oaif'k{kk nusdh 0; oLFkk dh tkuk pkfg, A fldy bøvjh vks fldy ei dh tkudkjhfj; y Vkbø vki; k j j [k j tk, A

- (iii) f'k{k.k , oa i f'k{k.k dh fo | elku I tFkkvkaesfLdy MoyieV | Vl ZLFkkfir fd; s tkuk pkfg, A
- (iv) fu/klu oxZds0; fDr; kadsdksky fodkl dsfy, I hksfoRrh; I gk; rk vFkok \_\_.k fnykusdh 0; oLFkk gksh pkfg, A
- (v) futh {ks dh Hkxhnkjh dksctV dksc<kok nsusgrqvudly okrkoj.k , oa l fo/kk, anusij cy fn; k x; k gA
- (vi) mPp f'k{k dh xqkoRrk I qkj dsfy, iZ kl fd; s tkuk pkfg, A
- (vii) nsk dh fo'k{k vkfkd] I kekftd , oa i k{ks| kx dh dh vko'; drkvka rFkk {ks=h; vI ryu vkj fofHklu I dk; kadschp vI ekurkvka dks nj djus dsfy, uohu I tFkk, aLFkkfir dh tk I drh gA
- (viii) I tFkkvka dksctV dk i ko/klu oLri jd ekunMkarFkk i frLi /kRed vunuku , oa dk; fu"i knu ds vuqjk ds vk/kkj ij gkuk pkfg, A mPp f'k{k.k I tFkkvka ds ; fDr; Dr f'k{k.k 'kYd ds i 'pkr~'k{k i frZI kozfud foRr i k{k.k I sdh tkuk pkfg, A
- (ix) Ldkyjf'ki ; kstukvka dh ek=k , oa i gp rFkk fo | kfFkz ka ds \_\_.k dh vko'; drkvka dh i frZdksc<kok fn; k tkuk pkfg, A
- (x) fo | kfFkz kadsf'k{k.k r= eavkj vf/kd fodYi rFkk yphyki u mi yC/k djkusds fy, i jh{kk I qkj k} fodYi vk/kkfjr ØMV , oa I etVj fl LVe dk i wkZ fØ; klo; u I quf' pr fd; k tkuk pkfg, A
- 2-3 o"kl 2009 dh jk"Vh; dksky fodkl uhfr eajkT; I jdkj dh Hkfedk rFkk mRrjnlf; Ro fuEukuj kj fu/kkfjr fd; sx; sgA
- (i) i kfFkfedrkr rFkk uhfr vk; kstuk& I kf[; dh , d=haj .k dk fu/kkj .kA
- (ii) i .k/kkfj ; ka(Stakeholders) dsfy, fu; ked <kpk mi yC/k djukr rFkk I eFkdkjh okrkoj.k fufeZ djukA
- (iii) foRri k{k.k r=] i kfj rkf"kd rFkk i k{ks| kgu <kpk fufeZ djukA
- (iv) I kekftd Hkxhnkjh kadi {kerk dk fuelZKA
- (v) I puk dh fuxjkuij eV; kdu rFkk i pkj r= dh LFkki ukA
- (vi) vrjjk"Vh; I g; kx dh I fo/kk i nku djukA
- (vii) vgZk <kpsrFkk xqkoRrk vk'okl u r= dh LFkki ukA
- (viii) {ks= fof'k"V dksky dh i frZdsfy, dk; z; kstuk, ars kj djukA
- rdutidh f'k{k , oadksky fodkl dh uhfr dsfuelZk eami ; Dr vuqjk kvkdk I epr I kku fy; k x; k gA

### 3-0 i nšk earduhdh f'k{kk , oa dksky fodkl dk oržku ifjn'; (Present Scenerio)&

e/; i nšk oržku eanšk eastrh l sfodkl dj jgsjT; kaeal s, d gsvkj ml dh fodkl nj oržku ea10 ifr'kr l svf/kd gA fodkl dh ; g nj cuk; sj [kus, oabl eao] djusgrq; g vr; r vko'; d gfd i nšk eami yC/k tu'kfDr] rduhdh : i l sif'kf{kr , oaf'oLrjh; ekas dsvuq i gA ; g l ofofnr gfd l okih.k fodkl grqrduhdh {k=kaeai f'kf{kr] dky , oan{k ekuo'kfDr dh Hkiedk l okifj gA

oržku of'od ifjoskearduhdh : i l sn{k tu'kfDr dh fuR; c<fh ekas dsvuq i i nšk , oanšk eamudh mi yC/krk l qf'pr djusdsnf"Vdksk l sjkT; 'kkl u dh Hkiedk , d l dkjkRed mRij d dh jgh gA bl ds ifj .k.KeLo: i oržku ea i nšk ea258333 i bsk {kerk ds l kfk 1357 rduhdh f'k{kk l LFkvvadksLFkfkir fd; k t k iukl l hko gksl dk gS, oainšk rduhdh f'k{kk , oaoekdskuy V\$uak ds{k= ea , d egRoiwz'k{kf.kd gc ds: i eamHkj k gA

I LFkk dk i zdkj	I a[; k	i bsk {kerk
bathfu; Cjx@vlfldVOpj egkfo   ky;	217	99262
, e-l h, - egkfo   ky;	62	4120
, e-ch, - egkfo   ky;	199	21582
ch Qkekz@Mh- Qkekz l LFkk, a	100	7360
i ksyhVdfud egkfo   ky;	143	27499
gk/y esuteV , oadVfj x VDukykh	02	180
vks  kfxd i f'k{kk.l LFkk, aVkbzVh-vkbz	499	61130
dksky fodkl dUnzV l Mh hV	135	37200
dy	1357	258333

i nšk earduhdh , oa0; kol kf; d f'k{kk dk fodkl xr i kp o"khlearhoz xfr l sgvk gsjUrq mi yC/k vklMksds vuq kj dbz {k=kaeai fr yk[k tul a; k ij jkT; okj mi yC/k l hVkaea i nšk jk"Vh; vks r l si hNs gA Je eky; ds mi yC/k vklMks vuq kj 'kkl dh; , oafuth vkbz/hvkbz dksfeykdj mi yC/k LFkuku dh l a; k ds vklMks ds vklkj ij i nšk dk LFkku nšk ea11o Øe ij gA i nšk ea

vYi &vof/k i f'k{k.k dk; Øekadh Hkkj h ekak gS, oaoRku eadøy 135 dksky fodkl dñkkrFkk dN okdskuy Vfua k i kkbMI ZYohVhi hTk dsek/; e l sbl i zdkj dsi f'k{k.k I pkfyr fd; stk jgsgA ekuo l d k/ku fodkl ea ky; vks vf[ky Hkkj rh; rduhdh f'k{k.k ifj"kn~ }kjk Hkh l e; &l e; ij ; g vko'; drk i fri kfnr dh xbZgfd i ns k earduhdh, oa0; kol kf; d f'k{k.k dsfodkl grqRofjr dk; bkgd djuk vko'; d gS ft l l sfd i ns k ds; pk vlfkld fodkl eagsjgh ixfr dsdkj.k mi yC/k vol jkdk YkkH mBk l dA

j k"Vh; Lrj dsvud vks kfxd l aBukadserkuq kj orRku earduhdh f'k{k.k l Fkkvka }kjk i f'k{kr dh tk jgh tu'kDr cktkj , oam | kxkadu ekak dsvuq i rFkk vi f{kr xqkoRrk dh ughagA vkt Hkh vusd , l s0; ol k; gftueavR; f/kd ekak gSi jUrqekak dsvuq i i f'k{k.k nsusdh {kerk mi yC/k ughagS vFkok l Fkkvkaeaml dsvuq i i kB; Øe mi yC/k ughagA

i ns k eaLukrd , oaLukrdkRj Lrj dh 0; kol kf; d rduhdh f'k{k.k l Fkkvkaeof) cMsi kkus i j gpoZgS i jUrq i kyhVsfud , oavkbh/hvkbZ Lrj ij l Fkkvka dh l [ ; k] i kB; Øekadh l [ ; k] mudh mi yC/krk i osk {kerk vkn ex; g fodkl ml vuqkr eauhagA vr%, d , l h uhfr dh vko'; drk gStks foftkuu Lrjk i jink; dh tk jgh rduhdh f'k{k.k dsl ex; oal rffyr fodkl dks kR kfgr dj l dA

#### 4-0 fe'ku (Mission)&

; g uhfr ifj"dr dksky Kku rFkk jk"Vh; , oavrj kVh; : i l sekU; rk i l r vgkvvkadsek/; e l si ns k ds; pkvka, oadksky mju; u dsbPNp 0; fDr; kdksof' od i fjn'; eathoui ; l r jkst xjk kRle[ kh rduhdh f'k{k.k , oadksky fodkl dsvol j mi yC/k djukl i fuf' pr djxhA

#### 5-0 /; § (Aim)&

- 5-1 mPp xqkoUkk; Dr rduhdh f'k{k.k , oa0; kol kf; d i f'k{k.k dsek/; e l si ns k ds l ex; l kekftd , oavkfkl fodkl ea; kxnu l fuf' pr djukA
- 5-2 i ns k ds; pkvkaekscnyrh gpoZekak dsl nHkZeofo'oLrjh; i f'k{k.k , oarduhdh f'k{k.k ds vol j mi yC/k djukA
- 5-3 rduhdh 'k{k.k .kci l Fkkvka Vfuth {k= l fgr% ea fu/kkj r xqkkRed eki n. Mks dks l fuf' pr djukA
- 5-4 rduhdh f'k{k.k , oa0; kol kf; d i f'k{k.k ds{k= eafuth fuosk vkdfl"kr djukA

#### 6-0 mnns ; (Objectives)&

- 6-1 i ns k earduhdh f'k{k.k , oa0; kol kf; d i f'k{k.k izkkyh dh mRrjkRj mjufr grql eFkz okrkoj .k mi yC/k djukA
- 6-2 i ns k ds l eLr l a/kr i .k/kfj ; ka (Stakeholders) dks l fEefyr djrs gq rduhdh f'k{k.k , oa0; kol kf; d i f'k{k.k esfolrjk dks l fuf' pr djukA

- 6-3 rduhdh f'k{kk , oa0; kol kf; d i f'k{kk.ea uokpkj rFkk 'kkI dh; f'k{kk. @if'k{kk  
I L<sup>k</sup>Fkkv<sup>k</sup>adsi<sup>k</sup>z<sup>k</sup>ku e<sup>k</sup>vf/kd I svf/kd futh H<sup>k</sup>kkxhnkj<sup>k</sup>h dk<sup>k</sup>s<sup>k</sup>i k<sup>k</sup>I kfgr djukA  
vko'; drk<sup>k</sup>eyd v<sup>k</sup>/kkj i j fodkl g<sup>k</sup>r'k<sup>k</sup>f.kd v/k<sup>k</sup>d j<sup>k</sup>puk mi yC/k djukA  
6-4 fo | ky; N<sup>k</sup>KM+ppl<sup>k</sup> or<sup>k</sup>ku e<sup>k</sup>dk; J<sup>k</sup>r~Jfed<sup>k</sup>cky Jfed<sup>k</sup>arFkk , s Jfed tks i<sup>k</sup>z<sup>k</sup>l sgh  
vuk<sup>k</sup> pkfjd : i l s i f'k{kk.i k<sup>k</sup>I dj dk; k<sup>k</sup>dk<sup>k</sup>s<sup>k</sup>i k<sup>k</sup>fnr dj jgsgSfdUrqmudh n{k<sup>k</sup>rk dk  
i ek.khdj.k ugh g<sup>k</sup>dsi f'k{kk. oai ek.khdj.k dsvol j mi yC/k djukA  
6-5 i jLij fgrk<sup>k</sup>adsfy, rduhdh f'k{kk. I L<sup>k</sup>Fkkv<sup>k</sup>adsm | k<sup>k</sup>kal sfy<sup>k</sup>dst dk<sup>k</sup>s<sup>k</sup>l p<sup>k</sup><+djukA  
6-6 m | k<sup>k</sup>ka dh vko'; drk dsvuq i fujUrj i kB; Øek<sup>k</sup>adsek/; ek<sup>k</sup>al sdk<sup>k</sup>ky m<sup>k</sup>lu; u dj uk  
, oamnh; eku {k=kseai k<sup>k</sup>l kfxdh i kB; Øe mi yC/k djukA  
6-7 H<sup>k</sup>kkjr I jdkj }kjk I pkfyr ; kst ukv<sup>k</sup>adk vf/kd re y<sup>k</sup>H<sup>k</sup>mB<sup>k</sup>ukA  
6-8 rduhdh f'k{kk dk; Øek<sup>k</sup>adsfØ; klo; u dsfy, vU; folH<sup>k</sup>kkx<sup>k</sup>ads l a k/kuk<sup>k</sup>adk vf/kd I s  
vf/kd nk<sup>k</sup>gu dsiz k<sup>k</sup>l djukA  
6-9 rduhdh f'k{kk , oa0; kol kf; d i f'k{kk. dh , d h v/k<sup>k</sup>d j<sup>k</sup>puk dk fodkl djuk<sup>k</sup> tksfd  
vU; folH<sup>k</sup>kkx<sup>k</sup>ads}jk H<sup>k</sup>h mudh i f'k{kk. rFkk vU; vko'; drk<sup>k</sup>v<sup>k</sup>ad<sup>k</sup> i firzeaykbztk I dA  
6-10 0; kol kf; d , oai zU/kd<sup>k</sup>h; d<sup>k</sup>kyrkv<sup>k</sup>adk m<sup>k</sup>lu; u djukA  
6-11 Nk=kadksfo'oLrjh; dk<sup>k</sup>sky i k<sup>k</sup>l djusgsqifj<sup>k</sup>r djukA  
6-12 I ekt dsI eLr ox<sup>k</sup>dk<sup>k</sup>sI fefyr dj rsgq dk<sup>k</sup>sky fodkl , oarduhdh f'k{kk dsvol j  
fcuk fyakH<sup>k</sup>ns dsni yC/k djukA  
6-13 rduhdh f'k{kk , oa0; kol kf; d i f'k{kk. dsiz<sup>k</sup>ku ea l puk i k<sup>k</sup>l kfxdh dk mi ; k<sup>k</sup> djs  
gq i<sup>k</sup>z<sup>k</sup>ku dh i k<sup>k</sup>j n'k<sup>k</sup>z, oarofjr v<sup>k</sup>/k<sup>k</sup>jud 0; oLFkk I fuf'pr djukA  
6-14 jkT; I jdkj , uohbD; wQ k<sup>k</sup>u<sup>k</sup>y ok<sup>k</sup>u<sup>k</sup>y , t<sup>k</sup>psku DokfyfQd<sup>k</sup>sku Y<sup>k</sup>eod<sup>k</sup>dksjkT;  
eaykxwdjusdsfy, i n<sup>k</sup>sk fLFkr I L<sup>k</sup>Fkkv<sup>k</sup>adks i k<sup>k</sup>I kfgr dj<sup>k</sup>xh , oaml dsfØ; klo; u ds  
fy, vko'; d 0; oLFkk, adj<sup>k</sup>xhA  
6-15 njLFk f'k{kk , oavk<sup>k</sup>lykbz i )fr I sf'k{kk. g<sup>k</sup>rqfMthV<sup>k</sup>y Lo: i eai kB; Øek<sup>k</sup>adksmi yC/k  
djukA  
6-16 I L<sup>k</sup>Fkkv<sup>k</sup>adks jk"V<sup>k</sup>; @vrjk<sup>k</sup>V<sup>k</sup>; ekudka ds vuq i iR; k; kstu i k<sup>k</sup>l djus ds fy,  
i k<sup>k</sup>I kfgr djukA  
7-0 uhfr dk nk; jk (**Scope**)&

rduhdh f'k{kk , oa0; kol kf; d i f'k{kk. ds vrx<sup>k</sup> I pkfyr i ek.k i =] i =k kf/k m i kf/k , oa  
Lukrdk<sup>k</sup>rkj Lrj dsI eLr i kB; Øe ; Fkk , e-b<sup>k</sup> , e-Qkek<sup>k</sup> , e-Vd<sup>k</sup> i h, p-Mh<sup>k</sup> , e-ch<sup>k</sup>, - ch-b<sup>k</sup> ch- Qke<sup>k</sup> h<sup>k</sup>  
, e-l h<sup>k</sup>, - fMIykek<sup>k</sup> Qke<sup>k</sup> h<sup>k</sup> rduhdh o vrduhdh I adk; ka ea fMIykek<sup>k</sup> vkb<sup>k</sup>/hvkbz ea I pkfyr VMT ]  
vYikof/k i kB; Øe v<sup>k</sup>fn rFkk m<sup>k</sup>gal pkfyr djusokyh I eLr I L<sup>k</sup>Fkk, A

## 8-0 pukfr; ka(Challenges)&

- 8-1 i nsk dksifrLi /kRed : i l svU; jkT; kadh ryuk earduhdh f'kk , oadksky fodkl dsks= eacgrj fodYi ds: i eLFkkfi r djuk
- 8-2 m | kxkadh ekax dsvuq i rduhdh f'kk , oadksky fodkl grqi f'kk.k dscgrj vol j mi yC/k djukA
- 8-3 rduhdh f'kk dh xqkoRrk dksos'od Lrj ij i gpusdsfy, i z kl djukA
- 8-4 i R; d t: jren ; pk dks if'kk.k ds vol j mi yC/k djukA
- 8-5 vnkjzVh; @jk"Vh; Lrj ds l LFkkuk@fo' ofo | ky; kdkse/; i nsk eal LFku [klyusgrq vkef=r djukA
- 8-6 fLdy efi x , oafLdy x , ukfyfl l dsvk/kj ij rduhdh : i l si f'kf{kr tu'kfDr dh vko'; drk dk l rr~vkyu rFkk ml dsvk/kj ij ikB; Øekadk i kjk@i yjh{k.k fd; k tkukA
- 8-7 vukS pkfjd : i l si f'kf{kr 0; fDr; kadsi ek.khdj.k dsfy, r= fodfl r djukA
- 8-8 futh f'kk@i f'kk.k ink; drkLk dks , d odfYi d <ks ds ek/; e l s l fEfyr dj i f'kk.k l fo/kkukadk foLrkj djukA

## 9-0 j .kuhfr (Strategy)& rduhdh f'kk , oadksky fodkl eaxqkkRed l qkj] ek=kRed of) , oaml dsnk; jsvkS i gp eafolrkj dh j .kuhfr&

- 9-1 rduhdh f'kk , oa0; kol kf; d i f'kk.k dh i gp& i R; d fodkl [kM eal; ure , d vkbJ/hvkbZ o dksky fodkl dtna rFkk i R; d ftyea , d i kyhVdfud egkfo | ky; LFkkfi r fd; k tk, xk ft l l s; pkvka dksLFkuh; ] i nsk nsk , oafon sk eal kef; d , oaeak vkkfjr if'kk.k mijkUr jkst xkj ds vol j mi yC/k gksl dA
- 9-2 fLdy efi x] fLdy x , ukfyfl l , oarduhdh tu'kfDr dh vkkxeh o"kk dh vko'; drk dk vkyu& l pkfyr ikB; Øekadk i nsk , oafos'od ifji; eoruku , oahkfo"; dh ekax dk vkyu] fLdy x , ukfyfl l ] fLdy efi x vkn dk dk; ZI rr~ : i l sdjusdsfy, l LFkkxr 0; oLFkk djuk rFkk m | kxkadk ifjn"; dk l Kku fy; k tkdj] ftu {ks=kae tu'kfDr dh vko'; drk gksml dsvuq i ikB; Øe l pkfyr fd; stk, xA
- Hkkjr l jdkj dh l gk; rk l svFkok futh , tfl ; k@l akBukadksvucf/kr dj mi ; Dr v/; ; u@i f'kk.k dk; Øekadk eW; kdu@vd{k.k djk; k tk, xk ft l l sfd l pkfyr ikB; Øeka dh l kef; drk dks Kkr fd; k tk l ds , oahkfo"; dh vko'; drkvka dk i vkkukadk yxk; k tk l dA

- 9-3 vkn'kz I LFkkvkae~~s~~mllu; u& i ns k dksrduhdh f'k{kk , oadksky fodkl dsgc ds: i eafodfl r djusdsfy, pph gph I LFkkvkaek vkn'kz I LFkk eamllu; u fd; k tk, xkA bu I LFkkvkaedl q<hdj.k , oamllu; u ds }kjk os'od Lrj dh i f'kf{kr tu'kfDr r\$ kj dh tk, xh rFkk budh ekdlVax , oackMak i Fkd I sdh tk, xhA bu I LFkkvkae~~s~~U; ure 6 i kB; Øekadk I pkyu fd; k tk, xk , oabu i kB; Øekadk i R; k; u jk"Vh; , tfl ; kals gkxkA vkl/fud v/kd j puk , oam | kskal sthor I idzbu I LFkkvkaedh fof'k"Vrk gkxhA i R; d I LFkk dks, d {ks fo'kks eamRd"V I LFkk ds: i eafodfl r djusdk i z kl fd; k tk, xkA bu I LFkkvkae bMLVh bLvhV; lku bLjD'ku 1/vkbL/vkbL/vbL I sy , oam | ferk fodkl dLbzgkxkA ; g I LFkk, amllu; u dsfy, vrjkZVh; I g; kx i klr dj I dsh rfd jk"Vh; , oavrjkZVh; ekudkadsvuq i ekuo I d k/ku fodkl dk dk; zfd; k tk I dA ; kst uk dsrgr ftyk e[; ky; fLFkr vkbL/hvkbZdk vkn'kz vkbL/hvkbZeamllu; u fd; k tk, xkA  
I Hkkx e[; ky; ij fLFkr 10 Lo'kkl h i kyhVdfud egkfo | ky; ka , oa 04 Lo'kkl h bathfu; fja egkfo | ky; dks vkn'kz I LFkk ds: i eafodl h {ks fo'kks eamllu; u dj] fodfl r fd; k tk, xkA
- 9-4 futh fuos'k dsfy, i kRl kgu& jkT; I jdkj dsI hfer I d k/kukadksnf"Vxr j [krsgq , oafuth f'k{kk@i f'k{kk i nk; drkLkadsvuHko , oa{kerkvkaek ykHk yus dh nf"V I s rduhdh f'k{kk , oadksky fodkl eafuth fuos'k dks i kRl kfgr fd; k tkoskA dksky fodkl dsvol jkaearhozo) , oaml dh i gp rFkk nk; jseafolrkJ dsfy, futh fuos'k dh egRoiwkZ Hkfedk gkxhA futh fuos'k dks i kRl kfgr djus ds fy, fuEufyf[kr i f; kst uk, acukbZtkdj] fØ; kfJor dh tkoskH&
- 9-4-1 b. MfLV<sup>a</sup>; y Vfuax bLvhV; 1/vkbL/hvkbZ&  
vkbL/hvkbZ , sfodkl [k. MkaeaLFkkfi r fd; s tk; x] tgkW, ul hghVh I s I c) de I sde 06 VM rFkk 240 I hVkaeh i psk {kerk dskbZHk 'kkl dh; ; k futh vkbL/hvkbZ l pkfyr ughagkA vkbL/hvkbZea, ul hghVh I c) rk dsde I sde 06 VM gksuk vko'; d gkxftl dh i psk {kerk 240 I hVkaeh gkA VM dh I [; k Nk=karFkk m | kx dh ekx dsvk/klj i j c<kbZtkoskA  
futh Hkkxhnhkjh ds vUrxi LFkkfi r fd; s x; svkbL/hvkbZea l pkfyr fd; s tkus okysVMkak p; u i kboV i KVuj }kjk jkT; 'kkl u dsijke'kz I sfid; k tk; xk] tksNk=ka , oam | kskadk ekx i j vklkfkjr gkxkA ; sVM+ i fjf'k"V&v ean'kz h xbZpkj Jf.k; kadsvUrxi gkxkA
- 9-4-1-1 Hkfie& vkbL/hvkbZ foghu fodkl [k. Mkaea vkbL/hvkbZ LFkkfi r djusdsfy; si fr vkbL/hvkbZ vf/kdre 5 , dM+'kkl dh; Hkfie fu%k/d nh tk; xhA Hkfie dh yht

vof/k i **lj** Hk e30 o"kladhi gksxhA futh {ks= dsVfuk ink; drkz}jk 24 eghukads vñj Hkfe ij i Lrkfor i **lhxr** fuosk djuk vfuok; Z gksk vñl; Fkk Hkfe i **u%** 'kkl u eao"Vr gksk, xhA

#### 9-4-1-2 i **lhxr** fuosk ij vunpu **VcfMax** i **gkehVj** &

jkT; 'kkl u] tu futh Hkxhnkjh 0; oLFkk dsrgr-LFkkfi r fd; stk jgsvkbz/hvkbz dsfy; sfuth {ks= dshkxhnkjkaoksi **lhxr** vunpu inku djxkA mi ylk djk; s tkusokysvunpu dh jkf'k] dñnz'kkl u }jk ok; fcylVh xi QfMx dsvk/kkj i j fu/kkj r gksxhA dñnz rFkk jkT; 'kkl u }jk fn; s tkusokysdy vunpu dh l hek vkbz/hvkbz dh dy i **lhxr-eW**; dk 40 ifr'kr vFkok jkf'k : i ; s3-00 djkm} tks Hkh de gks gksxhA jkT; 'kkl u }jk fn; s tkusokyk vunpu dy vunpu **Vkbz/hvkbz** dh dy i **lhxr-eW**; dk 40 ifr'kr vFkok jkf'k : i ; s3-00 djkm+ tks Hkh de gks eal s dñnz'kkl u }jk fu/kkj r fd; sx; s vunpu dks?kvkus ds mijkr 'kks l hek rd gkskA

vkbz/hvkbz dk U; ure fufeZ {ks=Qy 2500 oxehVj gksk pkfg; A fuoskdrkz dk p; u muds }jk m) fjr i **lhxr** ykxr ij U; ure vunpu ds vkkj ij rduhdh vgzk, fu/kkj r 'krkdsi jk dhusij fd; k tk; sk A vunpu dh jkf'k fuEukud kj rhu fd' rkæanh tkosxh&

- (i) i Fke fd' r %Hkou fuelZk dk; Zflyk yoy rd i wkgksusij] jkf'k dk , d frgkbzHkx
- (ii) f}rh; fd' r %Hkou fuelZk dk; Zi wkgksusij 'kks jkf'k dk vkk Hkx
- (iii) rrh; fd' r %vkbz/hvkbzdsiwkz%LFkkfi r gksus, oall; ure 03 VMI ea , ul h0ghVh l c) rk i klr gksusij 'kks jkf'kA

#### 9-4-1-3 i f'k{k.k 'kjd dh i fri frz &

vkbz/hvkbz eafy; s tkusokyk if'k{k.k 'kjd 'kkl u }jk fu/kkj r fd; k tkosk rFkk futh fuoskdrkz}jk vkbz/hvkbzLFkkfi r dhusdsfy; stkj h fd; s tkusokys foKki u ean'kz k tk, xkA  
if'k{k.k 'kjd] i f'k{k.k 'kjd v eanh xbzVM dsoxkdsvk/kkj ij VM dsl eg grq fu/kkj r fd; k tkosxkA  
jkT; 'kkl u }jk dy i dsk {kerk dh 50 ifr'kr l hVka ds i f'k{k.k 'kjd dh i fri frz vucak dh vof/k rd dsfy; snş gksxhA bu l hVags=qNk= jkT; 'kkl u }jk i k; kstr fd; stkoskA jkT; 'kkl u }jk fu/kkj r dh xbzi f'k{k.k 'kjd dh l eh{kk i R; d rhu o"kl dsvrjkay eadh tkosxh , oai f'k{k.k 'kjd dh i fri frz bl

rgj i ꝑ%fu/kkijr 'kjy d svk/kkj ij gksA ; fn jkT; 'kkI u gsfu/kkijr dks  
dh I hVt ~ughakjrh gSrks, s h fLFkr eafuth fuoskdrkbu I hVaij i dsk ns  
grqLora gksj ij UrqjkT; 'kkI u bu Nk=kadsif'k{k.k 'kjy d dh ifri frzugh  
djsA

i f'k{k.k 'kjy d dk Hkxrku cfd xkjVh tek djus ij nksfd'rkaefd; k tk; skA  
i Eke fd'r esai f'k{k.k 'kjy d dh 60 i fr'kr jkf'k jdk gksij ns gksA rFkk 'k{k  
jkf'k i f'k{k.k kffkZ kadsRrh.kZ gksij nh tk; skA

#### 9-4-1-4 ykftx 'kjy d dh ifri frz&

jkf'k : lk; s 1000 i fr ekg i fr if'k{k.k FkZ ds eku I s 80 i fr'kr dh mi fLFkr  
gksij ykftx 0; dh ifri frz dh tk; skA bl ds vfrfjDr vU; dkBjkf'k  
i f'k{k.k FkZI sugayh tkosA ; g jkf'k dby 'kkI u }jkj ik; kstr Nk=kokl e  
jgusokys i f'k{k.k kffkZ kadsfy; sgksA bl dsfy; sfut fuoskdrkZ dksNk=ks, oa  
Nk=kvks dsfy; s i Fkd&i Fkd Nk=kokl dh 0; oLFkk djuh gksA jkT; 'kkI u  
}jkj vkbZVh-vkbZ dh fof'k"V vko'; drkvks dks ns[krs gq Nk=kokl fuelZk ds  
fy; s vupku mi yCk djk; k tk; skA ; g jkf'k jkT; 'kkI u }jkj ik; kstr  
i f'k{k.k kffkZ kadh I q; k ds vks/kkj ij gksA vupku dh vf/kdre I hek] 'kkI u  
}jkj fu/kkijr eki n.Mks ds vuq kj] fuelZk dh dby ykxr ds 50 i fr'kr rd  
gksA Nk=kokl ds fuelZk ds eki n.M foHkx }jkj fu/kkijr fd; s tk; skA  
Nk=kokl fuelZk ds mijkUr 'kkI u }jkj ykftx QhI dk Hkxrku ughafd; k  
tk; skA

#### 9-4-2- dksky fodkl dñnz½, I Mhl h½&

dksky fodkl dñnz½ fodkl [k.M e[; ky; vFkok fodkl [k.M ds fd l h Hkh  
LFkkI i j LFkfi r fd; stk I dxatgk bl dh vko'; drk gA bu dñns}jkj Hkkr I  
I jdk Je ,oa jkstxkj e[ky; }jkj fu/kkijr ekM; yj ,Elyk; cy Ldhe  
½ ebZ I ½ds rgr de I s de plj ekM; Vl ea i f'k{k.k I pkyr fd; s tk; skA  
i f'k{k.k i kB; Øe] , e-bZ, I - ds rgr uksuy fLdy Møgyi eV dki kjsku }jkj  
fu/kkijr uksuy vKD; uksuy LVSMI ZvFkok jkT; 'kkI u }jkj fu/kkijr i kB; de  
vuq kj gksA bu dñnsell; ure 300 vksnd i fro"kif'k{kkr fd; stk; skA  
½½ jkT; 'kkI u }jkj 'kkI dh; Hkouks@Ldny vFkok LFkkuh; fudk; vFkok  
LofoRrh; I LdkvksdksHkouksdksmi yCk djkusdh 0; oLFkk dh tk; skA bu Hkouks  
dk fdjk; k 'kkI u }jkj fu/kkijr i z kkyh ds vuq kj futu fuoskdrkZ }jkj ns  
gksA Hkou dh 0; oLFkk ik; oV i KVZI Zdh tckonkjh gksA  
; fn 'kkI dh; egkfo | ky; kdk p; u futu dksky fodkl dñæ ds l pkyu grq

fd; k tkrk gSrksmDr 'kkl dh; egkfo | ky; dsfo | kfFkz kadksfdl h , d cf' k{k.k  
 gsr çkFfedrk nh tkosx rRi 'pkr LFku fjDr jgus ij vko'; drkuq kj  
 LFkuh; vU; 'kkl dh; egkfo | ky; ds fo | kfFkz ka dks vol j fn; k tkosxkA  
 dk; kly; hu l e; dsvfrfjDr ; fn dñae l pklfyr gksk gSrksl j{kk , oavuqkkl u  
 l ckh nkf; Ro l cfi/kr dksky fodkl dñae dk gkskA  
 %c% {ks-h; vko'; drk dks nskrs qy jkT; 'kkl u }jkj Nk=kokl dh l fo/kk  
 mi yC/k djkbz tk; xhA tgN Nk=kokl dh 0; oLFkk ughagksx ogkWjkT; 'kkl u  
 Nk=kokl fuelkz i j Hkh fopkj dj l dskhA  
 %l % jkT; 'kkl u }jkj vuq fpr tkfr] vuq fpr tutkfr] vU; fi NMk oxz] fu%kDrtu] efgykvlk vlfn i f'k{k.kkfFkz ka ds fy; s jkT; 'kkl u dh i pfyr  
 ; kstukvkdssrgr dsjgusdh l fo/kk nh tk; xhA  
 %n% da uh vf/fu; e] 2013 ds vuNn&8 ds rgr LFkkfir xj ykHk dekuqkyh  
 da fu; ka l s rFkk da uh vf/fu; e 2013 ds vrxt çklr dki kJy l ksky  
 fjLi kLcfyVh vrxt çklr cf'k{k.k çnk; djus ds fy; s çklr çLrkoka ds  
 fØ; klo; u ds fy; s jkT; l jdkj dksky fodkl dñae LFkkfir djus ds fy; s  
 vko'; d fo | eku 'kkl dh; LFku mi yC/k djk l dskj c'krzfd bl l sfu; fer  
 'kkl dh; dk; Zeadkbzck/kk u gkA

#### 9-4-2-1 dkky fodkl dñnz dsmi dj .k gsrqvupku&

jkT; 'kkl u }jkj dy mi dj .k dh ykxr dk 25 i fr'kr vFkok : i ; s 10-00  
 yk[k tksHk de gksfut h fuoskdrkz dksmi yC/k djkbz tk; xhA ; g vupku nks  
 fd' rkaefn; k tk; xkA

%l% i Fke fd' r% dñnz dks0ghVhi h ds: lk eai at hdir dju si j vupku dk  
 75 i fr'kr(

%l% f}rh; fd' r% & pkjkaekM; WI ds i Fke cp ds i f'k{k.kkfFkz kadsmRrh.kz  
 gksu i j vupku dk 'kkl 25 i fr'krA

#### 9-4-2-2 i f'k{k.k 'kYd dh i fr i frzVcfMax i j kehVj%&

%l% 'kkl u }jkj ik; kstr 50 i fr'kr l hVksdsf'k{k.k 'kYd dh i fr i frzvucak dh  
 vof/k rd dsfy; sns gksxhA fuoskdrkz dk p; u U; ure i f'k{k.k 'kYd %i fr  
 i f'k{k.kkfFkz i fr ?kV% dh n'kkbz nj vuq kj gkskA ; g nj ekM; WI dk i zdkj]  
 mi dj .kksdh dher] i f'k{k.k xqkoRrk dsvfHkys[k rFkk i f'k{k.kkfFkz kadsfu; kstu  
 dh l q; k i j i j vklkfj r gksxhA mDr dsfu/kkj .k dsfy; s fuEukuq kj i fdz k  
 vi ukbz tk; xh%&

- (1) jkT; 'kkl u }kjk VM@ikB; de@ekM; VI dk fu/kkj.k  
 (2) jkT; 'kkl u }kjk VMI dsfy; sQhl vi fr if'k{k.k.kFkhz i fr ?kUVk nj½  
 rFkk mi dj.kkadh ykxr dk fu/kkj.k  
 (3) futh fuoskdrkzI sfu/kkj.r QkeVI eatkudkjh i klr djuk  
 (4) fo'k{kK I fefr }kjk rduhdh eV; kdu  
 (5) rduhdh eV; kdu eam; Dr ik; sx; sfuth fuoskdrkzI sfoRrh;  
 fufonk i klr djuk  
 (6) futh fuoskdrkzI Ldy Viux ink; drkzdk p; uA  
 futh fuoskdrkz dks ns if'k{k.k 'kjd dk fu/kkj.k rhu o"kl ds fy; s  
 mijkDrku kj gksk ,oarrI 'pkr~jkT; 'kkl u }kjk ifro"kl mDr jkf'k ea 10  
 i fr'kr dh of) dh tk; xh i jUrqfuth fuoskdrkzI Ldy Viux ink; drkz dks  
 Hkkjr I jdkj dh ekM; yj ,Elyk; cy Ldhe dsrgr if'k{k.k 'kjd dh ifri frz  
 dh ; Fkk I akf/kr njai kjk I sgh i klr gksxhA  
 ½c½ dksky fodkl dñkads if'k{k.k 'kjd dh ifri frz rhu fd' rkseacd xkj Vh  
 dsfo: } dh tk; xhA  
 ½c½ i osk ij 50 ifr'kr] ½c½ i jh{k eal fefyr gksij 25 ifr'kr rFkk ½c½  
 mRrh.kzgksij 25 ifr'kr A
- ukl%& 1- jkT; 'kkl u }kjk nh tkusokyh if'k{k.k 'kjd dh jkf'k futh fuoskdrkz dh ekU; dh xbz  
 if'k{k.k 'kjd dh jkf'k eal sHkkjr I jdkj }kjk ekM; yj ,Elyk; cy fLdy ; kstu ds  
 rgr fu/kkj.r if'k{k.k 'kjd dh jkf'k ?kVkusdsimijkUr 'k{k if'k{k.k 'kjd dh jkf'k gksxhA  
 ; g ekin.M rc rd ylxwglksa tc rd Hkkjr I jdkj dh ekM; yj ,Elyk; cy Ldhe  
 vi usorZku Lo: lk eal pkfyr gksxhA  
 9-4-2-3 i jh{k 'kjd dh ifri frz&  
 , sI eLr if'k{k.k.kffkz ktksekM; yj ,Elyk; cy Ldhe dh i jh{k eacBxamuds  
 fu/kkj.r i jh{k 'kjd dk Hkkjrku futh fuoskdrkzI Ldy Viux ink; drkz dks  
 fd; k tk; xhA  
 9-4-3-1 lyd eV 'kjd ds: lk eavfrfjDr i kRl kgu&  
 futh fuoskdrkzI Ldy Viux ink; drkz dks jkf'k : lk; k 3000 ifr if'k{k.k.kFkhz  
 dseku I svfrfjDr i kRl kgu jkf'k nh tk; xhA ; fn muds }kjk de I sde 50  
 ifr'kr ifr cP] if'k{k.k.kffkz kdkksjkst xkj eafu; kstr fd; k tk; A ; g jkf'k  
 døy I Qyrki ñ fu; kstr if'k{k.k.kffkz kadh I q; k dsvk/kkj ij gh gksxhA  
 fu; kstu lyd eV I srkri ; ZgSfd if'k{k.k dsmijkUr vknod dksvksukBTM

I DVj eafdl h , d dEi uh eayxkrkj U; ure N%ekg dh vof/k dk jkT; 'kkI u }jkj fu/kkj r dky Jfed dsl erV; ikfj Jfed i klr gkA

#### 9-4-3-2 fof/k&

- (I) jkT; 'kkI u dsdk/sdh 50 ifr'kr I hVksds vfrfjDr 'kSk 50 ifr'kr I hVksdksHkj usdsfy; si f{k.k 'kYd dk dkbzcaku ughagksk(
- (II) futh , stU h d{k.k mijkr vU; if'k{k.k nsusdsfy; sLora gksk(
- (III) 10 o"kl dh vof/k dh I ekflr ij bl iko/kku dk eV; kdu dj vlxkeh 0; oLFkk dk fu.k fy; k tk; xkA

9-4-3-3 ; kst ukJrxz Lfkfir vkbZVh-vkbZ , oa dksky fodkl dñns ds if'k{kdk ds if'k{k.k dh ykxr ds 50 ifr'kr 0; dh ifri firz fuEufyf[kr 'krk i j dh tk; xh%

- 1- vf/kdre 10 if'k{kdk ifr vkbZVh-vkbZ , oa 5 if'k{kdk ifr , I Mhl h dk if'k{k.k iR; dñns "kksd
- 2- ; kst uk I Lfk dk Lfkki uk I svf/kdre N%o"kZdsfy; &
- 3- if'k{k.k jkT; @dñns l jdkj }jkj vuksnr I LfkvksA

9-4-4 jkT; 'kkI u }jkj I pkfyr dksky fodkl dñns dk izcuku futh , t dh dks fu/kkj r 'krk i j I k usgrq; kst uk cukbz tk, xkA

9-4-5 fo | eku I Lfkvks e futh fuoskdrkz }jkj bMLVh fyid i kB; Øe@, d fo x I pkfyr djusdsfy, i Fkd I s; kst uk cukbz tk, xkA

9-4-6 m | ksk }jkj mudh rduhdh tu'kfDr dh vko'; drk dh ifrZdsfy, vks| ksd {ks=ks@fo'kSk vlfkFkz i {ks=kae i f'k{k.k dñns dh Lfkki uk djusgrqi kRI kgu nsus dsfy, i Fkd ; kst uk cukbz tk, xkA cMs vks| ksd ?kjukadksin'sk eafuosk djs I e; gh Lo; avkbZ/hvkbZ [kksyusgrqi kRI kfgr fd; k tk, xkA

9-4-7 Hkj r I jdkj dh i hi hi h ekM ds rgr i ksyhVdfud egkfo | ky; Lfkfir djus dh ; kst uk dk vf/kd I svf/kd ykHk yusdk iz kI fd; k tk, xk , oa; kst ukJrxz Lfkfir dh tkusokyh I Lfkvksdks i kRI kgu nsusdsfy, fu%kYd Hkfe nsusdk iko/kku fd; k tk, xkA

9-4-8 i sk {kerk eaf} dsfy, futh batifu; fja egkfo | ky; kadsf}rh; f'kPV e i ksyhVdfud , oavkbZ/hvkbZLrj dh I Lfk I pkfyr djusgrqi kRI kfgr fd; k tk, xkA

9-4-9 Mh , e-vkbZl h dkj hMkj {ks= eafLfkfir gksj gsm | kskadsi fj i {; eauohu vkbZVh

vkbz LFkkfir djusdsI kFk I kFk , oau tnhdh vkbzVh-vkbz eaelx vklkfj r uohu  
VMT i kEhk fd; stk, xkA

- 9-4-10 fo | eku batlfu; fja@i ksyhVdfud egkfo | ky; ka , oa vkbzVh-vkbz eamn; eku {ks=ka tS s fd ck; k&VĐukykh] u&k&VĐukykh] j kckfVDI vlfn ea i kB; Øe i kjk djus , oamudk l pkyu djus grqmi dj .k] Quhpj] i trd dEl; Vj vlfn ij gkusokys; ; dh 'kr ifr'kr ifrzjkt; 'kkl u }jk dk tk, xhA l cflkr , tdk dksfo | kfFk ksdsp; u dk vf/kdkj gkxk , oamulg i kB; Øe mRrh.kl djus ij 'kr ifr'kr jkstxkj fnykusdh ij Qkje xljdh nsuk gkxhA
- 9-5 e/; i ns k 0; kol kf; d f'k{kk , oai f'k{k.k i fj "kn-dh xfrfot/k; ksdk foLrkj &  
9-5-1 fLdy MoyieV dh j. kuhfr dsrgr fdI h Hkh 0; fDr dsKku vks fLdyI dh VSLVx mi jkUr] ml ds i ek.khdj.k dh 0; oLFkk djus rFkk mDr i ek.k i= dks Hkfo"; eamPp f'k{kk eaukeku grqeku; fd; stkusdh ; kstuk i fj "kn-}jkj cukbz tk, xhA  
9-5-2 e/; i ns k 0; kol kf; d f'k{kk , oa i f'k{k.k i fj "kn I s l cflkr fofHklu dk; ksdks l Eikfnr djusdsfy , l gk; d l fefr; kads: lk ea l Ekkx Lrj rFkk ftyk Lrj ij Øe'k%l Hkkxh; vk; Dr , oaftryk dyDVj dh v/; {krk ea xfBr l fefr; ksdksfØ; k'khy fd; k tk, xkA  
9-5-3 futh bUthfu; fja egkfo | ky; k] i kfyVdfud egkfo | ky; k] futh vks kfxd i f'k{k.k dksfHklu 'kkl dh; , oaxs 'kkl dh; , tfl ; k] xj l jdkjh l Lfkkvka }jk l pkfyr if'k{k.k dksfHklu , oabPNpl m | kskadksHkkjr l jdkj dh ^ekM; yj , Elyk; cy fLdyI \*\* ; kstuk xk okdskuy Vfua i kkbMj ds: i ea i athdR djusgrqi kkl kfgr fd; k tk, xkA  
9-5-4 i jajkxr gqj ; Fkk ykgkj] c<b>jktfeL=h] d[igkj] ekph] chMh cukusoky§ xks l od] tsod [ks] bR; kfn ds i f'k{k.k ds i ek.khdj.k dh 0; oLFkk dh tk, xh ftI l sosifrl /kRed cktkj eaviusdksky dsek/; e l svkthfodk vtlu dj l dA  
9-5-5 , ei hl hoV dsdk; ksdshkfo"; eafoLrkj dksnf"Vxr j [krsgq dI YVh j [kus dk i ko/kku , ei hl hoV dsl V&vi eafd; k tk, xkA  
9-6 fLdy MoyieV l Vj dh LFkki uk& i R; d vul foLM fodkl [kM ea , d fLdy MoyieV l Vj dh LFkki uk dh tk, xh tgkaLFkkuh; vko'; drkuj kj vYikof/k i f'k{k.k l pkfyr fd; k tk l dA vul foLM fodkl [kMaeafuth fuosk l sfLdy MoyieV l Vj l pkfyr djus dh ; kstuk cukbz tk, xhA bu , l MhI h dks i f'k{kr Nk=kadkslyd ea mi yC/k djkusdsvk/kj ij i kkl kgu fn; k tk, xkA

- dksky fodkl dññkdk l pkyu gc , .M Li kd ekWY ¼ d e[; dññz l sykbV , oavU;  
 ml l stññgq dññz dsvk/kj ij djusdsfy, folkkx ; kst uk cuk, xkA  
 fo | eku rduhdh f' k{k.k l Fkkvkadk l pññdj .k&
- 9-7 9-7-1 fo | eku l FkkvkaefjDr i nkadh i frz, oauohure v/kk jpuuk mi yC/k djkusds  
 fy, foRrh; l k/kukadk i ko/kku fd; k tk, xkA  
 9-7-2 'kkl dh; vkbJ/hvkbZ dh v/kk jpuuk dk fodkl 'kkl dh; l k/kukao foRrh;  
 l Fkkukal s\_.k i klr dj] fd; stkusdk iz kl fd; k tk, xkA ; fn futh 0; fDr; ka  
 }jkj 'kkl dh; vkbJ/hvkbZ dsfy, fu%kjd Hkou mi yC/k djk; k tkrk gS rks, s  
 Hkouka ea 'kkl dh; vkbJ/hvkbZ LFkkfir dh tk l dxhA mi ; Dr 'kkl dh; Hkou  
 mi yC/k gkusij ml eaouhu vkbJ/hvkbZ [ksyusdh i Fkfedrk nh tk, xhA  
 9-7-3 vkbJ/hvkbZ ds l pññdj .k ds vrxr l eLr vkbJ/hvkbZ ea6 VM rd l plfyr  
 djusdsfy, ; kst uk cukbZ tk, xh , oaogh VM l plfyr fd; s tk, a tks fd  
 i kl fxd gka , oam | kskadk dh ekak ds vuq i gkA tks l Fkk, afdjk; s ds Hkou ea  
 l plfyr gðogka6 l s de VM l plfyr gkusij vfrfjDr fdjk; s ds Hkou dh  
 0; oLFkk dj VM c<k; stk, A
- 9-8 xqkkRed l qkj dsfy, iz kl &
- 9-8-1 l FkkvkaeaijLij i frLi /kzdksc<kusdsfy, , d [kyh vks i kjn'khz i zkyh ds  
 vkkj ij iR; s futh , oal kozfud f' k{k.k l Fkkvkadk fu/kkjr fcUnyka ij  
 eV; kdu dj ok"kd jfdx , oaxfMx dh tk, xhA  
 9-8-2 iR; s f' k{k@i f' k{k ds fy, eV; kdu , oa i kRl kgu vkkfjr dk; z zkyh  
 fodfl r dh tk, xhA  
 9-8-3 Loræ , oackgæ , tñl ; ka }jkj 'kSkf.kd vkkfMV fd; s tkusdk i kRl kfgr fd; k  
 tk, xkA
- 9-9 f' k{kdk@i f' k{kdkadk i f' k{k.k &
- 9-9-1 f' k{k.k dh xqkoRrk eaof) dsfy, f' k{kdk@i f' k{kdkadsi f' k{k.k , oaKku l o/kU  
 dh , d nh?kdkfyd uhfr cukbZ tk, xhA oKkfud rduhd l sfad; s x; s Vfux  
 uhM , ulkyfi l dsvk/kkij ij iR; s f' k{k dsif' k{k.k dh ; kst uk cukbZ tk, xhA  
 i nsk eaofHkku Lrjkadsf' k{k@i f' k{k.k , oal gk; d rduhdh veysdsif' k{k.k  
 ds fy, , d i wkr%vkok h; i f' k{k.k l Fkk@ LVkQ MoyieV dklyst dh  
 LFkkik dh tk, xh] tksfd i f' k{k.k dh vko'; drkvkadsvkdyu dsvk/kkij  
 dk; Øekadk l pkyu djA
- 9-9-3 vkbJ/hvkbZ ds i f' k{kdkadk h mRrjkRj f' k{k ds vol j i nku djusdsfy,

- D; wkbz h Ldhe ijk dh tk, xh ft l l sfd osvkbz/hvkbzdsfy, mi ; kxh {ks=kæs Lukrd Lrj dh f'k{k.k i klr dj l dA
- 9-9-4 m | kxkadsfo'k{k.K@e&st | Z@bathfu; l Zdk f'k{k.k l LFkkvæs, oaf'k{kdkadk i frf"Br m | kxkæs, d fuf'pr vof/k dsfy, LFkkuu djusdk i ko/kku fd; s tk, a}ft l l sfd f'k{k.k l LFkk, a, oam | kx i jLij yHkkfor gksl dA
- 9-10 dfj ; j dkma fyæ , oalyd eV &
- 9-10-1 e/; i nsk dfj ; j dkma fyæ , .M lyd eV l kd k; Vh dh LFkki uk dh tk, xh ft l dsvrzxz 'kkl u dsfofhuu foHkkxkadsvrzxz l pkfyr f'k{k.k l LFkkvæads fo | kfFkz ka dks fy; soe vkkfjr i kly dk fuelkz k tglaf fo | kfFkz ka dks i nsk eA rduhdh f'k{k.k mPp f'k{k.k fpfdRI k f'k{k.k vkl; lk dls {ks= eami yC/k f'k{k.k dsvol jka dh , dtkbz tkudjh mi yC/k gloskA ; g l kd k; Vh foHkkxk dh ekak vuq kj vkkfudre vkklyku vkkQ dfl i )fr l si nsk dh dk; bkgd djxhA l kd k; Vh Nk=kæs l tukRed i dfr dks<kok nsusdsfy, ifro"kfo | kfFkz ka dks fy; s foHkku i zdkj dh ifr; kfxrk, a i nsk Lrj ij vkl; kstr djskhA foHkku fudk; lk m | kxkavkfn dks vi usjkst xkj dh vko'; drkvkakd foKki u oei kly i j foKkfir djusdh l fo/kk jgskhA
- 9-10-2 fo | kfFkz ka dks l kV@ykbQ fLdYI dk if'k{k.k nsusgsq l LFkkvæaefQfuf'kæ LdWl l pkfyr djusdh ; kstu cukbz tk, xhA mRrh.kzfo | kfFkz ka dksfu; kstu ; kx; cukusdsfy; sodzfLdYI @ l kV fLdYI dk if'k{k.k fQfuf'kæ LdWl ds ek/; e l snusdsfy, ifr Nk= fu/kkfjr /kujkf'k dh ifri firz djusdh ; kstu cukbz tk, xhA
- 9-10-3 jkst xkj dk; kly; kdkbsbathfu; fjæ , oai ksyhVdfud egkfo | ky; rFkk vkbz/hvkbz mRrh.kzfo | kfFkz ka dk MkkVk mi yC/k djkus , oa i nf'kz djus dh 0; oLFkk dh tk, xhA
- 9-10-4 if'k{kqvf/kfu; e 1961 rFkk if'k{kqfu; e 1991 dk i kkkoh fØ; klo; u l fuf'pr fd; k tk, xhA
- 9-10-5 fo | kfFkz ka dks v/; u vof/k ds nkku vks| kfxd if'k{k.k dh l fo/kk mi yC/k djkus i j ifr Nk= fu/kkfjr /kujkf'k dh ifri firz m | kxks dks djus dh ; kstu cukbz tk, xhA
- 9-10-6 , s h futh lyd eV , t dh dks vucf/kr djusdsfy, ; kstu cukbz tk, xh ftks mRrh.kzfo | kfFkz ka dks i f'k{k.k mi jkUr 100 ifr'kr jkst xkj dh xkjA/h nsrh gkA

- 9-11 fj | p<sub>1</sub> d<sub>1</sub> YV<sub>1</sub> h] VfLV<sub>2</sub>] I rr-f' k{kk , oai kst DV odZdksc<kok&  
 9-11-1 I tFkkvka eam | kxkads l g; kx I s'kkk , oad<sub>1</sub> YV<sub>1</sub> h i jd dk; Øekadks c<kok  
 fn; k tk, xk ft l l sNk=kadks subzrduhd ij dk; Zdjus, oa^oYMLvkQ odz\* l s  
 fHkk djusdk vol j feyusds l kf<sub>1</sub> tFkkvka ds v<sub>1</sub>; dsL=k<sub>1</sub> Hkh c<xaA l tFkk  
 fLFkr Vfu<sub>2</sub>&de&i kMD'ku l s/j dks fofhkUu xkgdka l s  
 l fol @eV<sub>1</sub> @i kMD'ku v<sub>1</sub>kfn dsdk; ZyusgrqfoHkkx }jk<sub>1</sub> ulfr cukbz tk, xhA  
 9-11-2 m | kxka }jk<sub>1</sub> ik; kf<sub>1</sub> LukrakRj ikB; Øekadks l pkyu dks i k<sub>1</sub> kfgr fd; k  
 tk, xkA  
 9-11-3 I rr f' k{kk dk; Øekadks l pkyu dks c<kok fn; k tk, xk ft l l sf<sub>1</sub> m | kxka ea  
 dk; J<sub>1</sub>r~depkfj; k<sub>1</sub> mRrh. k<sub>1</sub> fo | kf<sub>1</sub> k<sub>1</sub> dks uohure {k<sub>1</sub>=k<sub>1</sub>e a thou i; r v/; u  
 (I i fel ong I earning) dh l fo/kk mi yC/k djkbz tk l dA m | kxka dh  
 vko'; drkvkadh i frzdsfy, vYikof/k ikB; Øekadk l pkyu djusdsfy, , d  
 yphyh , oai kjn'kh<sub>1</sub>0; oLFkk cukbz tk, xh ft l l s njLFk i) fr l } valdkfyd  
 : i ej l Irkg eadN fnu ; k m | kxkadsifj l j eai kB; Øekadk l pkyu l kko gks  
 l dskA  
 9-11-4 e/; insk y?k<sub>1</sub> m | kx fuxe dh rtz ij midj. k<sub>1</sub>@Quh<sub>1</sub>j dh ejEer rFkk  
 fctyh fQfV<sub>2</sub> v<sub>1</sub>kfn dk; k<sub>1</sub> grq 'kk<sub>1</sub> dh; vkbz/hvkbz@i ksyhVdfud@  
 bat<sub>1</sub>fu; fj<sub>1</sub> egkfo | ky; dksfcuk fufonk cyk; sdk; Zdjusdsfy, jkT; 'kk<sub>1</sub> u  
 l svf/kdr fd, tkusdh dkj bkbz dh tk, xhA  
 9-12 mn<sub>1</sub>; eku , oamPp rduhd ds{k=kaeuohu ikB; Øekadk l pkyu , oai tFkkvka  
 dh LFkk uk&  
 9-12-1 'kk<sub>1</sub> dh; I tFkkvka dks Loforh; v<sub>1</sub>kkj ij ikB; Øe i k<sub>1</sub>h<sub>1</sub> djusgrq l hM euh  
 fn; stkusdk i ko/kku fd; k tk, xkA  
 9-12-2 i ksyhVdfud egkfo | ky; k<sub>1</sub>, oavkbz/hvkbz eayhd l sgVdj dN , l s ikB; Øe  
 i k<sub>1</sub>h<sub>1</sub> fd; s tk, x<sub>1</sub> ft l l s ; pkvka dks vlfkfb {k<sub>1</sub>=eagksjgs ifjorl dskj . k  
 m | kxkaea jkst xkj vfkok Lo&jkst xkj dsu, vol jkadks i kusgrqrkj fd; k tk  
 l dA dN , l s0; kol kf; d , oatfodk v<sub>1</sub>kkfjr (OCCUPATIONAL) ikB; Øe Q<sub>1</sub>ku  
 VDukykh<sub>1</sub> ba; k<sub>1</sub> ] f<sub>1</sub>V<sub>2</sub> e<sub>1</sub>steV<sub>1</sub> Tosjh, M , l s jht fMt<sub>1</sub>; u] f<sub>1</sub>; y  
 bLV<sub>1</sub> e<sub>1</sub>steV<sub>1</sub> gkfli fVylh<sub>1</sub> e<sub>1</sub>steV<sub>1</sub> gkfli Vy e<sub>1</sub>steV<sub>1</sub>] ifjogu] gVFk  
 d<sub>1</sub> j] e<sub>1</sub>Mdy e'ku vki jy l ekckbz fji s fj<sub>1</sub> , ; jykbz i l zy] cfck  
 vki jsk<sub>1</sub> ] Y<sub>1</sub> v<sub>1</sub>Q<sub>1</sub> e<sub>1</sub>steV<sub>1</sub> V<sub>1</sub> l k<sub>1</sub>ku e<sub>1</sub>steV<sub>1</sub> fl D; f<sub>1</sub>V<sub>1</sub> e<sub>1</sub>steV<sub>1</sub>  
 fl foy ckIVDVjf'k<sub>1</sub>] dLVej d<sub>1</sub> j , DthD<sub>1</sub>fVo] e<sub>1</sub>Mdy l y<sub>1</sub> es<sub>1</sub> , oai k<sub>1</sub>j  
 V<sub>1</sub>Max v<sub>1</sub>kfn g<sub>1</sub> ftudks vkbz/hvkbz , oai ksyhVdfud egkfo | ky; kaei k<sub>1</sub>h<sub>1</sub> fd; s

- tkusdh vko'; drk gA
- 9-12-3 mn̄h; eku {ks-kaeavrjkVh; Lrj dsbatlfu; fja , oai kyhVdfud egkfo | ky; @ fu th fo' ofo | ky; [ksyusgrqikl kgu fn; k tk, xkA
- 9-12-4 I lFkkvkadkM; y fmXh dk; Øe pykusdsfy, i kl kfgr fd; k tk, xkA
- 9-13 b&yfuk] os cLM yfuk , oanijLFk f'k{k dks i kl kgu& I puk i ksfkx dh dk vf/kdre mi ; kx I fuf' pr djrsgq b&yfuk] os cLM yfuk dh 0; oLFkk, adh tk, xkA vrjkVh; Lrj dk Kku , oatkudkjh iR; d fo | kfkh@i f'k{k.kkfkh dks I yhk gks I ds bl fy, iR; d 'kkl dh; I lFkk eafMthVy yk; cjh@eYVhehfM; k I Vj dh LFkki uk ds izkl fd; stk, xkA
- 9-14 i z kkl fud {kerk dk I pckdj .k , oab&xou &
- 9-14-1 I lFkkvkadksi z kkl fud] foRrh; , oa'kQf.kd Lok; Rrrk i nku dh tk, xkA
- 9-14-2 ; kstukvka ds i kkoh fØ; klo; u grqiz kkl fud {kerk dk I o)U djuk , oa i z kkl fud veys dks vrjkVh; Lrj dk vutko@i f'k{k.k i nku djusdsfy, i kkoh dk; zkgh dh tk, xkA
- 9-14-3 I lFkkvka ds e/; cgrj rkyes , oa l pkyuky; rFkk foHkkx ds chp cgrj l ello; vlg I pukvka dsRofjr vknku&i nku dsfy, os cLM , evkbz I i z kkyh fodfl r dh tk, xkA
- 9-15 i f'k{k.k dsfy, vU; 'kkl dh; Hkouka dk mi ; kx& I kojt fud f'k{k.k I lFkkvka ds Hkouka dksd{kkvka dsmi jkl vU; i f'k{k.k i nk; drkva dksmi yC/k djkusdk izkl fd; k tk, xkA xh'e dkyhu vodk'k dsI e; fo | ky; kadsfjDr Hkouka e<kb&rhu eghus ds vYi vof/k ds0; kol kf; d i f'k{k.k dsdkl pfunk gkbzLdny@gk; j I ds Mjh Ldnykae I pkfyr djusgrq; kstuk cukbz tk, xkA
- 9-16 ofpr I euga ds fy, rduhdh f'k{k& vkJf{kr ox} efgyk, fu%kDrtuka dks rduhdh f'k{k , oa dksky fodkl ds vol j mi yC/k djkus ds fy, fo'ksk ; kstuk, a I pkfyr dh tk, xkA , dy0; , oa vEcMdj ; kstuk ds vrzxI vuq fpr tkfr , oa tutkfr ckgN; {ks-ka e vlfnetkfr dY; k.k foHkkx ds I dkukka I s vkbzVh-vkbz@ i kyhVdfud I pkfyr fd, tk, xkA vYi I q; dk xS =kl nh I si kkfor 0; fDr; karFkk fu%kDrtuka dsfy, i Fkd 'kQf.kd I lFkk@fox I pkfyr djusdsfy, fi NMk oxz, oa vYi I q; d dY; k.k foHkkx@xS jkgr foHkkx@I kekftd U; k; foHkkx I sI ello; fd; k tk, xkA
- 9-17 Kku vkkfj r vFk; oLFkk ds fy, i f'kf{kr tu'kfDr dk r\$ kj fd; k tkuk& insk eajkT; 'kkl u }kjk insk eal puk i ksfkx dh dsmi ; kx dks<kok nus, oal puk

- i kſ kſxdh dh f'k{k] i cikku] I qkkl u] fodkl , oatul keku; dsl 'kfDrdrj.k dh fn'kk eſ i lkoh , oadkjxj lkfedk dksnf"Vxr j [krsgq rFkk i nsk dh turk , oafof'k"Vrkij ij ; pkvkaclksdEl; Wj I k{kj cukusdsfy , rFkk I puk i kſ kſxdh dh i gip vke turk rd i gipkus ds fy , e/; i nsk uklyst dki kjsku dh LFkki uk dh tk, xh ftI l s fd Kku vklkfj r I ekt , oavFkk; oLFkk dsfy , yksxkadksrſ kj fd; k tk I dA
- 9-18 vrjkzVh; @jk"Vh; I Lfkvka@, tſl ; k@m | kxk@'kkI dh; foHkkxka I s l g; kx&
- 9-18-1 rduhdh f'k{k.k I Lfkvka dks vrjkzVh; Lrj ds fo' ofo | ky; k I Lfkvka , oa vks kſ xdh I aBuka ds I kfk QdYVh , DI pſt] LVW , DI pſt , oa Vehfuak dk; Øekagsqj kRI kfgr fd; k tk, xKA
- 9-18-2 vU; foHkkxkad ; kstu kvaclksl pkyu dsl nHkZekftl eai f'k{k.k dh vko' ; drk gk vko' ; drkuq kj i f'k{k.k dh 0; oLFkk vkbhvkbl@i kshVdfud eafodfl r djusgsqiz kl fd; s tk, aksftI l s , d rjQ foHkkUu foHkkxkad ; kstu kvaclksl yk lk njLFk vpy rd i gip I ds, oal Lfkvkad vh; dsl=ks Hkh c<+l dA
- 9-18-3 I Lfkvka ds i kl mi yC/k I a k/kukad svf/kdre mi ; kx gsq I Lfkvka ds e/; fj I kd z'ks fja dksc<kok fn; k tk, xKA
- 9-18-4 m | kxkad fof'k"V i f'k{k kr tu'kfDr dh vko' ; drkvkad i firzdsfy , I Lfk, a m | kxka l s l k>nkjh@, evks wdj fof'k"V i kB; Øek@i f'k{k.k dk I pkyu dj I dshA
- 9-19 rduhdh f'k{k dk i pky , oa iz kj & 10ohal s 12ohad{k rd ds Ldy ds Nk=kadks I ehi dh vkn'kzvkbhvkbl ; k rduhdh f'k{k.k I Lfkku eahke.k djokuk ftI l smudh rduhdh i kB; Øekæatlkx; drk@vfkk: fp eaof) gks, oavf/kd I svf/kd Nk= Hkfo"; earduhdh dk sky I stMs{ks=kæadk; Zdjusdsfy; si fjr gksI dA rduhdh I Lfkvkad s i kB; Øekadsi pky i z kj grqjkt; Lrj , oafthyk Lrj ij ekxh'ku&l g&fu; kstu esyka dk vh; kstu fd; k tk, xKA
- 10-0 rduhdh f'k{k , oadksky fodkl foHkkx dks uhfr 2012 eafd; s x; s i k/kukad svuq i dk; z I a kfnr djusgsqvf/kdrl fd; k x; kA
- 11-0 bl uhfr dsvrxz 0; k[ ; k , oal aksku I cikku fu.kz yusdsfy , eku- ej; eahth dh v/; {krk eſ xfBr 'kh"kzLrjh; WIDI %fuosk I a/ku I kf/kdkj I fefr fu.kz yusdsfy , I {ke jgsxhA
- 12-0 bl uhfr dsvrxz i klr I eLr i Lrko Vh; Qd dsek/; e l s^, dy f[kMehi izkkyh\*\* dsvrxz fujkar fd; stkoA

**Course category : A**

1. Non - Engineering
2. Architectural Assistant
3. Building Maintenance
4. Draughtsman (Civil)
5. Draughtsman (Mechanical)
6. Mech. Communication Equipment Maintenance
7. Mechanic Lens/Prism Grinding
8. Physiotherapy Technician
9. Surveyor

**Course category : B**

1. Carpenter
2. Electronic Mechanic
3. Electroplater
4. Fitter
5. Foundry man
6. Information Technology & Electronics System Maintenance
7. Interior Decoration and Designing
8. Laboratory Assistant (Chemical Plant)
9. Lift Mechanic
10. Mason (Building Constructor)
11. Mech. Repair & Maintenance of Two Wheelers
12. Mechanic (Radio & TV)
13. Mechanic (Tractor)
14. Mechanic Auto Electrical and Electronics
15. Mechanic Computer Hardware
16. Mechanic Consumer Electronics
17. Mechanic Industrial Electronics
18. Mechanic-cum-Operator Electronics Communication System
19. Painter General
20. Pump Operator-cum-Mechanic
21. Radiology Technician
22. Sanitary Hardware fitter
23. Sheet Metal Worker
24. Textile Mechatronics

### **Course category : C**

1. Electrician
2. Instrument Mechanic
3. Instrument Mechanic (Chemical Plant)
4. Marine Fitter
5. Mech. Repair & Maintenance of Light Vehicles
6. Mechanic (Diesel)
7. Mechanic (Motor Vehicle)
8. Mechanic (Refrigeration and Air-Conditioner)
9. Mechanic Agricultural Machinery
10. Mechanic Mechatronics
11. Mechanic Medical Electronics
12. Plastic Processing Operator
13. Plumber
14. Spinning Technician
15. Vessel Navigator
16. Weaving Technician
17. Wireman

### **Course category : D**

1. Attendant Operator (Chemical Plant)
2. Machinist
3. Machinist (Grinder)
4. Maintenance Mechanic (Chemical Plant)
5. Mech. Repair & Maintenance of Heavy Vehicles
6. Mechanic Machine Tools Maintenance
7. Operator Advanced Machine Tools
8. Tool & Die Maker (Dies & Moulds)
9. Tool & Die Maker (Press Tools, Jigs & Fixtures)
10. Turner
11. Welder (Gas and Electric)