

**Board of Secondary Education,
M.P., Bhopal**



Higher Secondary School Certificate Examination

Vocational

XI and XII

Syllabus of Practicals and

Instruction for Practical Examination of

Foundation Courses

सत्र 2013–2014

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FOUNDATION COURSES :

PRACTICAL (A)

DETAIL EVALUATION SCHEME

The evaluation scheme comprises of the following

Subject	Max.	Int. Marks	Ext. Marks	Pass Marks
1. Environmental Education	17	7	10	13
2. Rural Development	8	3	5	--
Total	25	10	15	13

1. Internal Evaluation : Total marks : 10

The Internal assessment will be based on comprehensive evaluation of practical conducted in the school which should be reflected authentically in the practical records.

N.B. : The teacher will prepare evaluation tools/techniques (rating scales/ checklists) for each practical activity which should be administered for self-evaluation and teacher's evaluation. Both the evaluation sheets should be pasted in the practical record. The average marks will be taken as the index of achievement.

2. External Evaluation : Total marks : 15

The distribution of marks is as follows :

Practical record : 4

Viva-voce based on : 2

Spotting : 3

Three spots. Each spot will contain survey data/map/graph and observation results. The examinee will be asked to find out solution of a specific problem.

(3)

Performance test :
6 Marks

survey of the campus(examination centre) and its surroundings

- * Collection of water samples, determination of alkalinity/acidity and physical quality of water.
- * Collection of soil samples, determination of soil texture and ph of soil.
- * Waste disposal status.
- * Potable water supply status.
- * Mapping of the location of trees/herbs, spotted plants in the campus.

LIST OF PRACTICALS

Class XI

1.
 - * List the sources and uses of energy of the local community.
 - * Find out the percentage of each source of energy used.
 - * Collect the preference of use of renewable sources of energy (gobar gas, solar cooker, fuel wood cropping, wind-mill, water-mill) of the households of the local community (a. immediately, b. in the long run) in the absence of non-renewable sources of energy.
2. Any activity related to a renewable source of energy (gobar gas plant solar cooker, fuel wood cropping, wind-mill, water-mill).
3. Identify the factors and sources of air pollution in the locality.
 - * List the sources of water in your community.
 - * Measurement of rainfall.
 - * Maintain a chart on daily temperature and humidity variations from dry and wet thermometer.
 - * Identify the factors and sources of water pollution.

(4)

- * Test the pH values of different water samples.
 - * Examine the physical properties of different water samples.
 - * Suggest Possible measures to keep water resources of the local community uncontaminated.
4. Collect different soil samples in your local environment. Test textures and pH of soil samples.
 5. Prepare a list of items made of mineral products in common use in your community and write against each a corresponding item of nonmineral origin but of common use.
 6. Make a survey of the plant resources of your local environment (school and its surroundings) and classify them according to their economic value.
 7. Greening the school campus.
 - * Planting of selected sapling.
 - * Manuring, watering and protecting the planted items.
 8. Prepare a map of land using profile of your locality(village/ town). (Take the assistance of the latest revenue map and verify through spot survey.)

Class XII

1. Prepare an account of the tree plantation and social forestry in the locality.
2. Field study trip to forests, parks and nurseries.
3. Prepare a list of food grains (paddy, wheat, corn, dals and oilseeds, etc.) produced in the locality and calculate the per acre yield.
4. Make a survey of the animal resources of your community. Identify and sketch each type of birds and mammals.
5. field study visits to wild life sanctuaries.
6. Survey the following in your locality :

(5)

- * Use of different types of fertilizers (chemical and organic) and pesticides.
 - * The cases and causes of ailments from the local community / hospitals / doctors.
 - * The percentages of immunization of infant and pre-school children.
 - * The waste and garbage disposal methods.
7. First aid for the following accidents :- 5
- * Acid splashes in the eye.
 - * Alkali swallowing.
 - * Minor burns.
 - * Electric shock.
 - * Cardio-respiratory emergencies :-
Artificial respiration (mouth to mouth).
External cardiac massage.
8. Make a study of the Rural Development Programmes being implemented in your locality.
9. Visit to watershed area of the locality and study different activities going on in relation to watershed management.
10. Greening the school campus :-
- * Planting of selected saplings.
 - * Manuring, watering and protecting the planted items.

FOUNDATION COURSESS : PRACTICAL (B)

DETAIL EVALUATION SCHEME :

The evaluation scheme for practical comprises of the following :-]

Subject	Max. Marks	Int.	Ext. Marks	Pass Marks
1. Entrepreneurship Development	25	10	15	12
Total :	25	10	15	12

1. Internal Evaluation : Total Marks : 10

The internal assessment will be based on comprehensive evaluation of practical conducted in the school which should be reflected authentically in the practical records.

N.B. : The teacher will prepare evaluation tools / techniques (rating scale/ checklists) for each practical activity which should be administered for self-evaluation and teacher's evaluation. Both the evaluation sheets should be pasted in the practical record. The average marks will be taken as the index of achievement.

2. External Evaluation : Total marks : 15

The distribution of marks is as follows :-

Practical record	:	4
Viva-voce based on practical record	:	2
Spotting	:	3

* Three spots. Each spot will contain survey data and observation results. The examinee will be asked to find out solution of a specific problem.

Performance test : 6 Marks

* Participation of the students in discussion, interaction with others.

* For market survey and project profile, external evaluation will also consist of written test and viva on subject matter.

LIST OF PRACTICALS

Class - XI

1. Field work/project work to assess and understand entrepreneurial attitudes/competencies.

ACTIVITIES :

- (i) Inviting existing successful entrepreneur for interaction in the class (two or three entrepreneurs from different sectors like production/service and business units/enterprises)
- (ii) Students may visit units of successful entrepreneurs (this will be for understanding competencies vis-a-vis working of the units/enterprises) and prepare a case study.

2. Exercise on effective communication skill development.

ACTIVITIES

- (i) Through this exercise to help participants (students) in understanding the process of influencing others, understanding one's own needs to influence in an organisation setting understanding proper way of communication, listing etc.
- (ii) Organising this practically, the teachers divides whole group of students in 4 to 6 persons. The topic for discussion is generally given on the basis of current importance like self/wage employment. supporting agencies for self employment, utility of government schemes, management of unit/ enterprise, etc.

PRACTICAL FOR CLASS XII

1. project work on product identification and market survey.

Activites :

- (i) Organising this exercise students will prepare production identifications proforma/ tables and market survey proforma.
- (ii) Visiting the market. fill the proforma and analysing the received information and get results.

2. Preparation of preliminary project profile on a particular production/ service/ business unit which may be established by the students.

Activities :

- (i) On the basis of market survey, students will prepare project pro file.
- (ii) For this, teachers will teach the content/ points of project profile like Introduction, market potential, process, financial aspets of project, cost calculation of equipments other expenses estimation, working capital, break-even point (BEP) calculation etc.