

Government of Himachal Pradesh
Board of Departmental Examinations
Departmental Examination for Other Gazetted Officers of Himachal Pradesh,
April 2023

Paper No. 3: Acts and Rules of Agriculture Department

Time: 3 Hours

Maximum Marks: 100

Note: (1) Attempt any five questions
(2) All questions carry equal marks
(3) Reference books of Bare Acts, Rules and Orders are allowed. Quoting of relevant section/rule/clause is mandatory.

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- Q.1 (a) What is climate change? Enlist effects of climate change and elaborate its impacts on farming. (10)
- (b) Which agronomic and tillage practices would you suggest for mitigation of the effects of prolonged dry spells on farming? (10)
- Q.2 (a) What is contingency crop planning? Give detailed points which are to be kept in mind for preparation of a contingency crop plan in a situation of delayed rains and excess rains in the sowing window of crops. (12)
- (b) Give detailed points which are to be kept in mind for preparation of a contingency crop plan in a situation of mid-season adversaries of climate to mitigate the effect. (8)
- Q.3 (a) What is the procedure for obtaining a Seed Dealers License in Himachal Pradesh. Name the Act/Rule/Order under which it is issued citing relevant provisions/ section/sub-section/clauses for application and grant of license for dealing in seeds. Who is the Licensing Authority for issue of Seed Dealers License in H.P. (10)
- (b) Describe the procedure to be followed by the Seed Inspector when he intends to take sample of any seed of notified kind or variety under the Seeds Act 1966. (10)
- Q.4 (a) Name the Section and Act under which the Fertilizer (Control) Order, 1985 has been notified. Who is the notified authority for registration of dealers for retail business of fertilizer and the Fertilizer Inspector for your area. Describe the qualifications and powers of a Fertilizer Inspector. (10)
- (b) Is there any restriction on sale and use of fertilizer. Explain citing relevant clause of the Fertilizer (Control) Order, 1985. (10)
- Q.5 Answer any two of the following three parts of the question,
- (a) What is ATMA Scheme, its aim and objectives. Describe the Institutional mechanism of ATMA at District, Block and Village level. (10)
- (b) Describe the purpose and objectives of Diploma in Agricultural Extension Services for Input Dealers? (10)
- (c) What is Agri Clinic and Agri Business Centre Scheme, its objectives, support activities and beneficiaries? (10)

- Q.6 Answer any two of the following three parts of the question,
- (a) Describe Subhash Palekar Natural Farming, its need, principles and components. How does it differ from organic farming? (10)
 - (b) What is organic farming, organic standards & organic certification. (10)
 - (c) Explain the NPOP and PGS India Organic Certification system describing the difference, merits and limitations of both. (10)
- Q.7 Write short note on the following (Any four),
- (a) What is crop insurance?
 - (b) Difference between PMFBY and RWBCI scheme
 - (c) Eligibility for coverage under Crop Insurance
 - (d) Risks covered and exclusions under PMFBY
 - (e) Weather perils for risk coverage, add on and general exclusions under RWBCI Scheme (5X4)
- Q. 8 (a) What is cluster approach for development of farming systems? (10)
- (b) What are the advantages and disadvantages of cluster approach for development of agriculture? (10)
- Q.9 (a) What is a Farmer Producer Organization? Explain the purpose and objective of Farmer Producers Organizations? (10)
- (b) How is Agriculture Infra Structure Fund(AIF) Scheme of Government of India helpful for FPOs'. Enlist the benefits and eligible beneficiaries of AIF scheme. (10)

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Board of Departmental Examination, Himachal Pradesh
Session: April 2023

Paper # 3

Rules and Acts for Technical Officers of Animal Husbandry Department

Time Allowed: 3 Hours

Max Marks: 100

- Note:** - Rules / Acts of the Department and book titled "Veterinary Jurisprudence" by S. N. Sharma are allowed.
- Usage of mobile phones may not be allowed.
- Attempt any Five questions.

I.	a. Discuss common offences against animals and write IPC sections related to these Offences?	10
	b. Describe in detail legal duties of the Veterinarian.	10
II.	a. Write salient features of provisions for Experimentation on Animals under Prevention of Cruelty to animals Act, 1960	10
	b. Citizen Charter of the Animal Husbandry Department.	10
III.	a. What is evidence? Discuss in detail, procedure of recording the evidence in the Court of Law?	10
	b. Discuss requirements for livestock Insurance. How will you proceed for insurance claim?	10
IV.	Write short notes on any four of the following: a. Immunization schedule of Cattle d. Smagr eSamadhan b. Natural Farming e. Chemical Composition of wool c. Various methods for detection of adulteration in milk.	20
V.	Write Short notes on the following a. Various steps to bring down cost of production of milk b. Rigor Mortis c. Toxic plants of HP d. African Swine Fever	20
VI.	a. Discuss rules of Post Mortem Examination and write procedure for conducting Post Mortem Examination.	10
	b. What are causes of sudden death in animals and describe any one of them.	10

H.P.Board of Departmental Examination
Departmental Examination of other Gazetted Officers of Himachal Pradesh
April, 2023

Paper No.3 Acts and Rules of Concerned Department (Economics & Statistics)

Time allowed: Three Hours

Maximum Marks : 100

Note: Attempt any five questions. Maximum marks are indicated against each question within parenthesis. No text books or helps books allowed.

Q.I Describe the role of Central Statistics Office (CSO) and National Sample Survey Office (NSSO) in Indian Statistical System. (10+10)

Q.II Explain Stratified random sampling method and the problem associated with stratification. Also write down the advantages of Stratified random sampling. (10+10)

Q.III (a) Explain the steps in constructing a consumer price index and discuss a method of its construction. (10)

(b) What is Fisher's Ideal Index? Prove that it satisfies both the time reversal and factors reversal tests. (10)

Q.IV. (a) Compute coefficient of quartile deviation from the following data. (10)

Marks obtained	15	25	35	45	55	65	75	85	95
Number of Students	5	8	15	20	24	27	10	7	2

(b) Obtain the regression equation of Y on X and calculate the correlation coefficient from the following values: (10)

X	1	2	3	4	5	6	7	8	9
Y	9	8	10	12	11	13	14	16	15

Q.V. (a) From the following data: fit a straight line trend by least square method and calculate the trend values. (10)

Year	2016	2017	2018	2019	2020	2021	2022
Food grain Production (MT)	14	12	16	10	18	11	20

- (b) Obtain the regression equation of Y on X and calculate the correlation coefficient from the following values: (10)

X	1	2	3	4	5	6	7	8	9
Y	9	8	10	12	11	13	14	16	15

- Q.VI.** (a) what is Latin square? Point out its significance and limitations, if any? (10)

- (b) Explain the principles of a good experimental design. (10)

- Q.VII.** (a) A box contains 3 red and 7 white balls. One ball is drawn at random and in its place a ball of the other colour is put in the box. Now one ball is drawn at random from box. Find the probability that it is red. ? (10)

- (b) Explain conditional probability and its importance? (10)

- Q.VIII.** Write short note on any five of the following:

- i. Census vs sample method
- ii. Sampling and non-sampling errors.
- iii. Trend vs exponential trend.
- iv. Null and alternative hypothesis
- v. Questionnaire vs Schedule
- vi. Time series model and its components
- vii. Sample Registration System
- viii. Methods of measuring State Gross Domestic Product (GSDP)

(5x4=20)

**HP BOARD OF DEPARTMENTAL EXAMINATION
HIMACHAL PRADESH**

SESSION: APRIL 2023

**PAPER No. 3: RULES & ACTS FOR DIRECTORATE OF FORENSICS SERVICES
DEPTT. (TECH.) (WITHOUT BOOKS)**

TIME ALLOWED: 3 HOURS.

MAXIMUM MARKS: 100

NOTE:

1. There are total nine questions.
2. Attempt five questions only. One question each from section A, B, C, D and Section-E is compulsory.
3. All questions carry equal marks.

SECTION-A

- I.
- a) What is tele-forensic? Discuss its benefits in crime scene examination. (10)
 - b) Elaborate the role of statistical techniques in forensic science. (10)
- II.
- a) How the health and safety issues are handled in forensic science laboratories? (10)
 - b) Elaborate the following acts:
 - i. NDPS Act Section 21 and 22.
 - ii. CrPC 293. (2X5 = 10)

SECTION-B

- III.
- a) How are different kinds of body fluids collected at scene of crime? (10)
 - b) Explain the principle and biological concepts of heredity. (10)
- IV.
- a) Discuss forensic interventions useful in sexual assault cases. (10)
 - b) Define pollen grain. Write method of identification and role in forensic investigation. (10)

SECTION-C

- V.
- a) Explain the various steps involved in forensic analysis of voice. (10)
 - b) Describe the accidental marks useful for identification of weapon and cartridge case. (10)
- VI.
- a) Describe various types of forgeries and methods of detection with suitable illustration. (15)
 - b) Write short note on Suspect Detection System. (05)

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SECTION-D

- VII.
- a) What are the three stages of alcohol Intoxication? How drunken driving leads to road accidents? (15)
 - b) Write short note on Environmental Forensics. (05)
- VIII.
- a) Differentiate between fire investigation and arson investigation. (10)
 - b) Differentiate between Narcotic Drugs and Psychotropic Substances. (10)

SECTION-E

- IX. Explain the followings:-
- a) Electrophoresis
 - b) Medulla
 - c) Tattooing
 - d) Trace evidence
 - e) Polygraph
 - f) Accreditation and Certification
 - g) Latent Print
 - h) Diatom
 - i) Alteration
 - j) GC-MS
- (10X2 =20)

H.P. Board of Departmental Examination

Paper No. 3: Rules and Acts for Forest Department (Technical)

April, 2023

Time Allowed: 3 Hours

Maximum Marks: 100

- Note:**
1. Attempt any five (5) questions.
 2. Quote relevant Rule, Section of Law whereas applicable.
 3. Bare Acts, Rules, Forest Manual, Reference Books are allowed.
 4. **Mobiles are not allowed.**

Q. I. Write short notes on:

- i. "*Ramsar sites*". Name the Ramsar sites in H.P.
- ii. National Forest Policy 1988.
- iii. Eco-Tourism
- iv. Himachal Pradesh Forests (Timber distribution to the Right holders) Amendment Rules 2013.
- v. Seizure and confiscation as per IFA, 1927.

(5x4= 20 Marks)

Q. II. a) What are the salient features of Forest Rights Act, 2006? What precautionary measures are required at the level of DFO to prevent misuse of the provisions of the Act?

(10Marks)

b) What are the salient features of the FCA, 1980? To what extent has the Act succeeded in preserving the Forest wealth of India, with particular reference to Himachal Pradesh?

(10Marks)

Q. III Write short notes on :

- i. Ten year Felling programme (under HP Land Preservation Act, 1978) with focus on its benefits and limitations.
- ii. Differentiate between National Parks, WL sanctuaries, Conservation Reserves and Community Reserves.
- iii. Exempted trees species under HP Forest Produce Transit (Land Routs) Rules 2013.
- iv. Procedure for evicting encroachments on Forest Land.

(4x5= 20 Marks)

P.T.O

d

Q. IV. Differentiate between

- i. Audit Para and PAC Para.
- ii. "Money Bill" and "Non-money Bill".
- iii. "Censure" and "Minor penalty".
- iv. Plan and Non-plan expenditure.
- v. Ex gratia and gratuity.

(5x4= 20 Marks)

Q. V. Differentiate between:

- i. Forest clearance and Environmental Clearance.
- ii. Working Plan & Wild Life Management Plan.
- iii. Stock Map & Treatment Map.
- iv. Working Plan Officer and Settlement Officer.

(4x5= 20 Marks)

Q. VI. Write short notes on:

- i. CAT Plan
- ii. CAMPA
- iii. Biological Hotspots (with specific reference to H.P.).
- iv. REDD⁺
- v. Rill method of Resin Tapping.

(5x4= 20 Marks)

Q. VII. Explain briefly the following:

- i. "*Cannons of financial propriety*".
- ii. GeM portal
- iii. Non cognizable offence.
- iv. Central Vigilance Commissioner (CVC)
- v. Consolidated Fund of India (CFI).

(5x4= 20 Marks)

Q. V

Board of Departmental Examination, Himachal Pradesh
Departmental Examination

April 2023

Paper No.3.: Acts & Rules of Horticulture Deptt.

Max Marks-100
Time Allowed-3hrs

- Note: 1. Attempt any five question in all.
2. Question No. VI is compulsory.
3. All question carry equal Marks.
4. Books are not allowed; only bare Acts/rules are allowed in the examination Hall.

Q. 1. Write brief note on any four of the following (4 x 5=20)

- I. Mango malformation and its control measures.
- II. Red Rust mite of litchi and its control measures.
- III. Fruit fly in Guava and its control measures.
- IV. Woolly Apple Aphid and its control measures.
- V. Anar Butterfly and its control measures.
- VI. Collar rot in Apple and its control measures.

Q.2. Attempt any four of the following. (4 x 5=20)

- I. Alternate bearing in Mango and its management
- II. Dhingri cultivation
- III. Replantation problem in old & senile orchards of Apple and its management.
- IV. Management of bee Colonies during summer season.
- V. Difference between Seedling Root Stock & Clonal root Stock.
- VI. Importance of Diversification in Horticulture.

Q.3. Write short note on any four of the following. (4 x 5=20)

- I. Market Intervention Schemes for fruit crops.
- II. Tall Spindle Training and pruning method in Apple.
- III. Casing soil for white button mushroom.
- IV. Integrated Pest Management.
- V. Integrated weed management.
- VI. Short method for preparation of Mushroom Compost.

Q.4. Attempt any two of the following. (2 x 10=20)

- I. Elaborate the procedures for obtaining and Renewing of the Licence under HP. Fruit Nursery Registration & Regulation Act 2015.
- II. Services of Horticulture Department covered under Public Service Guarantee Act.
- III. Role of HPMC in Development of Horticulture in Himachal Pradesh.
- IV. What is the role of insecticide inspector under the Insecticide Act 1968.

Q.5. Write short notes on any four of the following. (4 x 5=20)

- I. Leaf sampling in fruit trees
- II. HP HDP
- III. HP SHIVA
- IV. SMAM
- V. Bio-Fertilizers with examples.
- VI. Progeny-cum-Demonstration Orchards Concept.

Q.6. What are the Schemes and programs under Horticulture Department through which subsidy is made available to farmers of the Himachal Pradesh. (1 x 20=20)

BOARD OF DEPARTMENTAL EXAMINATION OF GAZETTED OFFICERS
OF HPPWD/JSV etc

Paper No.3: Rules and Acts

Time: 3Hrs.

MAX MARKS: 100

NOTE: 1 Attempt All questions

2 Books, Codes, Acts etc. are not allowed

Q.No.1 Define briefly any ten of the following:

- i. GeM
 - ii. Book value
 - iii. Store Issue Rate
 - iv. Site Order Book
 - v. Labour Cess
 - vi. Bidding Capacity
 - vii. Form CPWA 64
 - viii. Form CPWA 28
 - ix. Rate Contract
 - x. GST Input Credit
 - xi. Digital Signature Certificate (DSC)
 - xii. Transfer Entry
- (10x2=20)

Q.No. 2 Explain any five of the following:

- i) Test check of measurements of works by various Officers
 - ii) Physical verification of Stores and it's necessity
 - iii) Extension of time and levy of compensation for delay in execution of work
 - iv) Duties and responsibilities of Divisional Officer wrt preparation and submission of Monthly Account
 - v) E Samadhan and CM Sewa Sankalp
 - vi) Register of Divisional Accountant's Objections and procedure to operate it.
- (5x4=20)

Q. No.3 Write brief Note or as asked of any five of the following:

- i) Indian Forest Conservation Act
- ii) Workman's Compensation Act
- iii) Arbitration Act

iv) HP Road side Land Control Act

v) Describe briefly any two:

a) Mobilization Advance b) Performance Guarantee c) Third Party Inspection of Supplies

vi) Write Show Cause Notice (Sample) to contractor under Clause 3 of the Agreement (Form CPWD 8) (5x4=20)

Q.No. 4 Explain briefly any five of the following:

i) Measurement Book and Standard Measurement Book

ii) Extra Item and Substitute Item

iii) Administrative Approval and Technical Sanction

iv) Lump Sum Contract and Item Rate Contract

v) Bin Card and MAS Register

vi) OPS and NPS (5x4=20)

Q.No. 5 Write brief Note or as asked of any five of the following:

i) State Water Policy 2013

ii) Scope to plan and develop Medium Irrigation Projects in Himachal Pradesh

iii) Single Line Administration and its role in the development of Tribal Area

iv) HP Road Construction Policy

v) Describe briefly any two:

a) PMKSY b) PMGSY c) AMRUT

vi) Challenges of Planning and Development in Himachal wrt it's Climate and Topography (5x4=20)

The Board of Departmental Examination, Himachal Pradesh.

(Other Gazetted Officers)

Paper 3: Act and Rules for Department- HIPA (April 2023)

Time: 3 Hours

Maximum Marks:100

Attempt any 5 Questions. Bare Acts/Rules are allowed.

- 1.(a) Describe about the role and importance of training of employees in any Institution /organization. **10 Marks**
(b) How important is the Training Needs Assessment? What are the main steps for TNA? **10Marks**
- 2.(a) What is the difference between Teaching and Training? **10 Marks**
(b) What are the different types of trainings to the employees in any organisation? How to design a training programme? **10 Marks**
3. (a) Write about different methods of teaching in the classroom. **10 Marks**
(b) What are the various tools and techniques for training? **10 Marks**
4. (a) Why monitoring and evaluation of training programmes is important? **10 Marks**
(b) Devise a Feedback format for a training programme. **10 Marks**
5. (a) Describe the Role of HIPA as apex training Institute in the State? What are the major constraints experienced by the faculty

P.T.O.

members while imparting training and suggest the measures for the qualitative improvement of training in the Institute. **10 Marks**

(b) How do District Training Centres Function? Suggest ways to strengthen these centres to decentralize training, **10 Marks**

6. (a) Write about the organizational structure of HIPA and its various branches, their role and functions. **10 Marks**

(b) How HIPA Hospitality cooperative Society functions and what is its role in training programmes? **10 Marks**

7. (a) What are the duties and responsibilities of a Faculty member and Course Director? **10 Marks**

(b) How convergence with other Training Institutes can be done to improve the training quality? **10 Marks**

8 .Write short Notes on any four the following:-

(Each Note carries 5 marks each)

- a. Participatory Teaching
- b. Case studies for effective training.
- c. Board of Departmental Examination (BODE)
- d. HIPA Library
- e. Role of HIPA as Social impact Assessment Unit
- f. Importance of Research and Evaluation studies in a Training Institute.

HP BOARD OF DEPARTMENTAL EXAMINATION

OTHER GAZETTED OFFICERS OF HIMACHAL PRADESH

Paper No: 3 RULES AND ACTS FOR LANGUAGE AND CULTURE DEPARTMENT.

March/April,2023

Time allowed:3 Hours

Max Marks:100

Note: Attempt any five questions.

All questions carry equal marks.

(Without reference books)

Que1. When has the cultural policy of Himachal Pradesh been notified? The main objective is to promote which genres of Himachal Pradesh?

प्रश्न:1. हिमाचल प्रदेश की सांस्कृतिक नीति कब अधिसूचित हुई है। इसमें हिमाचल की किन किन विधाओं को प्रोत्साहन करना मुख्य उद्देश्य है!

5+15= 20

Que2. For which schemes grant-in-aid is provided by the Department of Language and Culture, Himachal Pradesh and what is its maximum limit?

प्रश्न:2. भाषा एवं संस्कृति विभाग,हिमाचल प्रदेश द्वारा किन किन योजनाओं के लिये सहायतानुदान प्रदान किया जाता है और इनकी अधिकतम सीमा कितनी है! !

10+10= 20

Que3. Give the details of the names, regions and prize money of how many state honor states have been established by the Himachal Pradesh government for doing excellent work in the literature of different languages under the Department of Language and Culture?

प्रश्न:3. हिमाचल प्रदेश सरकार द्वारा भाषा एवं संस्कृति विभाग के अन्तर्गत विभिन्न भाषाओं के साहित्य में उत्कृष्ट कार्य करने के लिये कितने राज्य सम्मान स्थापित किये हैं,उनके नाम,क्षेत्र तथा पुरस्कार राशि का विवरण दें! गत वर्ष हिमाचल प्रदेश में लता मंगेशकर पुरस्कार तथा जिला स्तरीय एवं राज्य स्तरीय आयोजनो एवं पुरस्कारों की भी अधिसूचना हुई है,पूर्ण ब्यौरा दें!

10+10= 20

Que4. Mention the names of 20 international, national, state and district level fairs of Himachal Pradesh?

प्रश्न:4. हिमाचल प्रदेश के अन्तर्राष्ट्रीय,राष्ट्रीय तथा राज्य स्तरीय कौन कौन से मेले हैं ,उन में से 20 मेलों के नाम बतायें!

= 20

Que5. Himachal Pradesh State Museum - Shimla, Bhuri singh Museum - Chamba, Kangra Art Museum - Dharamshala, which galleries have been established?

प्रश्न:5. हिमाचल प्रदेश राज्य संग्रहालय-शिमला ,भुरीसिंह संग्रहालय-चम्बा,कांगडा कला संग्रहालय-धर्मशाला में कौन कौन सी गैलरीयां/वीथी स्थापित की है!

= 20

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Que6. How many books have been published by the Department of Language and Culture, Himachal Pradesh? Name 20 of them.

प्रश्न:6. भाषा एवं संस्कृति विभाग, हिमाचल प्रदेश द्वारा कितनी पुस्तकें प्रकाशित की हैं, उनमें से 20 के नाम बतायें! = 20

Que7. Which anniversaries are celebrated by the Department of Language and Culture, Himachal Pradesh and Himachal Art, Culture, Language Academy, mention in detail two of them.

प्रश्न:7. भाषा एवं संस्कृति विभाग, हिमाचल प्रदेश तथा हिमाचल कला, संस्कृति भाषा अकादमी द्वारा कौन कौन सी जयन्तियां मनाई जाती हैं, उनमें से 2 का विस्तृत उल्लेख करें! 15+5= 20

Que8. How many types of temples are found in Himachal Pradesh, give a detailed description of any two temples of Himachal Pradesh.

प्रश्न:8. हिमाचल प्रदेश में कितनी प्रकार की शैलियों के मंदिर पाये जाते हैं, उनमें से हिमाचल प्रदेश के किन्ही दो मंदिरों का विस्तृत विवरण दें! 10+10= 20

Que9. Write a detailed note / description of 200 words about State Archives, Himachal Pradesh

प्रश्न:9. राज्य अभिलेखागार, हिमाचल प्रदेश के बारे में 200 शब्दों का विस्तृत नोट/ विवरण लिखें! = 20

Que10. Since when the official language has been notified/implemented in Himachal Pradesh, give detailed description of what works are being done at the district and state level of Himachal Pradesh.

प्रश्न:10. हिमाचल प्रदेश में राजभाषा कब से अधिसूचित/लागू की गई है, इसके अन्तर्गत हिमाचल प्रदेश के जिला तथा राज्य स्तर पर क्या-क्या कार्य किये जा रहे हैं, विस्तृत विवरण दें! 5+15= 20

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HIMACHAL PRADESH BOARD OF DEPARTMENTAL EXAMINATIONS
DEPARTMENTAL EXAMINATION FOR PRINCIPALS & OTHER TECHNICAL
OFFICERS OF ITIs

DEPARTMENT OF TECHNICAL EDUCATION
VOCATIONAL & INDUSTRIAL TRAINING OF IIP.

APRIL, 2023

Paper No. 3

Maximum Marks: 100

Time Allowed: 3 hours

Note:

1. Attempt any five questions
2. No reference books are allowed
3. All questions carry equal marks

Q. No. 1: (a) Define apprentice. What are the qualifications for being engaged as an Apprentice and duration of Apprenticeship Training? (10 Marks)

b) How the Apprenticeship Contract terminated? (05 Marks)

c) What are the objectives of Apprenticeship Training? (05 Marks)

Q. No. 2: (a) What do you understand by Craftsman training scheme? What are its objectives? Explain its guidelines. (15 Marks)

b) Describe at least 10 different functions of National Council for Vocational Education & Training. (05 Marks)

Q. No. 3: (a) What are the advantages & objectives of quality control? (10 Marks)

b) What are objectives of inventory control? Name the different types of methods of inventory control. (10 Marks)

Q. No. 4: (a) What are the Occupational Health & Safety (OHS) measures in the Industries? (05 Marks)

b) What are the provisions in the factory act, 1948? (05 Marks)

c) What are the provisions in Maternity Benefit Act, 1961? (05 Marks)

d) What are the provisions in Workmen Compensation Act, 1923? (05 Marks)

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Q. No. 5: (a) What is the importance of Workshop layout? Explain different principles of workshop layout. (10 Marks)

b) Explain different types of precautions to be taken while installing different types of mechanical & electrical machinery in the workshop. (05 Marks)

c) What are the different causes of accidents in the industries? (05 Marks)

Q. No. 6: (a) What are the trades which can be started in ITIs to cater the industries to increase the employability of youth in present scenario? Explain their relevance in industries.

(05 Marks)

b) What do you understand by the term "Plant Layout"? Describe its procedure in detail.

(10 Marks)

c) What are cottage industries? Explain briefly. (05 Marks)

Q. No. 7: Define small, medium & large industries. What is its role in economic development? (10 Marks)

b) Explain the detailed project report for setting up a Soap factory. (10 Marks)

Q. No. 8: Write short note on any four of the following:

1. National Apprenticeship Promotion Scheme (NAPS)

2. Skills Strengthening for Industrial Value Enhancement (STRIVE)

3. Industry 4.0

4. Pradhan Mantri Kaushal Vikas Yojana (PMKVY) 4.0

5. ABC analysis

6. Concept of Industry Cluster (IC). (20 Marks)