

P. P. SAVANI UNIVERSITY

Fourth Semester of B.Sc. fire & safety Examination
December -2022

SSFS2150-Gujrat factory act and rule

15.12.2022, Thursday Time: 09:00 a.m. to 11:30 a.m. Maximum Marks: 60

Instructions:

1. The question paper comprises of two sections.
2. Section I and II must be attempted in separate answer sheets.
3. Make suitable assumptions and draw neat figures wherever required.
4. Use of scientific calculator is allowed.

Section-I (Total Marks - 30)

Q.1 Short Questions

[10]

1.1 Objectives(10MCQ Compulsory-0.5 mark each)

[05]

1.1a Which is the statutory welfare facility under factory act 1948

- A crèches
- B Canteen
- C All above
- D First box

1.1b The constitution of site appraisal committee involving in factory act

- A Hazardous process
- B Manufacturing process
- C Employee state insurance act 1948
- D None of this

1.1c Under factory act 1948, working hour 8 hours/day and 48 hours/ weeks

- A Minimum working hour
- B Rest interval
- C Both
- D None of this

1.1d Certificate of fitness to work in a factory as per factory act for

- A Adult
- B Young person
- C Chief factory manager
- D None of this

1.1e Ambulance room provided if

- A 500 worker employed in the factory
- B 30 women working under maternity benefit act 1965
- C Both
- D None of this

1.1f The minimum wages in India

- A 134/day
- B 170/day
- C 178/day
- D 160/day

1.1g The first factory act enacted in

- A 1881
- B 1895
- C 1897
- D 1885

1.1h Who is the young person as per factory act,1948

- A Completed 18 years
- B Completed 15 years and fit for the full day
- C More than 14 years
- D Less than 14 years

1.1i Who is occupier under factory act,1948

- A Person has ultimate control over the affairs
- B Welfare controller
- C Human resource controller
- D None of this

1.1j Factory means as per factory act 1948, where no. of workers working

- A 10 or more workers
- B 20 or more workers
- C 30 or more workers
- D 50 or more workers

1.2 Answer the Following: (Definition-1 mark each)

[05]

1.2a Occupier in factory

1.2b Factory inspector

1.2c Hazard process

1.2d Factory Act 1948

1.2e compensation

Q.2 Short Notes (Attempt any two-3 mark each)

[06]

A Write down responsibility of occupier as per factory act 1948.

B Write down any 5 health and safety provision act as factory act 1948.

C Write down details for hazardous process as per factory act.

Q.3 Explain in detail (Attempt any two-7 mark each)

[14]

A Explain safety provisions as per factory act 1948.

B Describe fire preventions as per Gujrat factory rule.

C Explain moving machinery, hoist & lift, excessive weight & protection of eyes as per factory act 1948

Section-II (Total Marks - 30)

- Q.1 Short Questions [10]
- 1.1 Objectives(10MCQ Compulsory-0.5 mark each) [05]
- 1.1a Space required for every worker employed in the factory __m³
- A 9.9
 - B 10.2
 - C 12.2
 - D 14.2
- 1.1b Provision of cooling water during hot days , if employees ____
- A More than 250
 - B More than 400
 - C More than 600
 - D More than 300
- 1.1c Who is adolescent as per factory act 1948
- A Completed 17 years age
 - B Completed 18 years age
 - C Completed 15 years age but less than 18 years
 - D None of this
- 1.1d First box provided for ____of persons
- A 150
 - B 120
 - C 130
 - D 140
- 1.1e Crunches is to provide if ____ or more women are engaged
- A 25
 - B 32
 - C 30
 - D 40
- 1.1f If factory employed 1000 or more workers should appoint
- A Safety officer
 - B Welfare officer
 - C Security officer
 - D None of this

1.1g Where ____ or more workers employed in factory , shall be safety committee

- A 250 or more workers
- B 100 or more workers
- C 200 or more workers
- D 300 or more workers

1.1h Which provisions as mention in the section 11 to 20 in factory act

- A cleanliness
- B Dust fumes
- C ventilation
- D All of the above

1.1i As per factory act factory premises must be painted and refurbished

- A 5years
- B 2 years
- C 10 years
- D None of his

1.1j Protection from industrial danger is called

- A Safety
- B hazard
- C act
- D Risk

1.2 Answer the Following: (Definition-1 mark each)

[05]

- 1.2a hazardous
- 1.2b Dangerous
- 1.2c Drill
- 1.2d Fire exit
- 1.2e First aid

Q.2 Short Notes (Attempt any two-3 mark each)

[06]

- A Write down precaution in case of fire as per factory act 1948.
- B Write down safety of building and machinery as per factory act 1948.
- C Explain fire drill.

Q.3 Explain in detail (Attempt any two-7 mark each)

[14]

- A Explain fire drill and emergency exit.
- B Explain safety committee as per Gujrat factory rule safety-II
- C Explain site appraisal committee as per Gujrat factory rule safety-II