

(A-31)

SEAT No. _____

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SARDAR PATEL UNIVERSITY- 388120
MASTER OF SCIENCE - INDUSTRIAL HYGIENE & SAFETY
END SEMESTER EXAMINATION (SECOND SEMESTER 2018-19)
28TH MARCH THURSDAY 2019, 02:00PM TO 05:00PM

PS02EIH21 – INDUSTRIAL VISITS AND SEMINARS

MARKS : 70

- Q1. **Multiple Choice Questions-** [8]
- (1) A fit test takes _____ minutes.
(a) 20 b) 40 c) 50 d) 5
- (2) Once absorption of a toxic substance has taken place, the toxic substance is distributed throughout the body via blood, lymph or other body fluids.
(a) False b) True c) Skin d) None
- (3) Benefits of good lighting are also direct and manifold.
(a) False b) True c) None d) Unknown
- (4) The Globe thermometer is a black-painted (mat), hollow copper sphere, 15 cm in diameter, into which a thermometer is inserted.
(a) False b) True c) Unknown d) Instead of Globe its Wet Bulb
- (5) ZMS
(a) Zero Machine State b) Zero Mechanical Stature c) Zero Machine Status d) Zero Mechanical State
- (6) Back pain due to manual handling results in _____.
(a) Presence b) Good productivity c) absenteeism d) More Work
- (7) Carbon monoxide is poisonous.
(a) False b) True c) Unknown d) None
- (8) pH 12 – 14 is _____.
(a) Neutral b) Acidic c) Strong basic d) Weak Basic

Q2. Short answer type questions — Attempt any 7

[14]

- What is better illumination and its outcomes.
- Knockout Process.
- What are Respirators ,name major types.
- Difference between hazard and risk
- Hazards of Welding process.
- How horseplay can be dangerous?
- Factors affecting fit of respirators.
- Difference between Industrial Hygiene and Health Safety whilst tool grinding process.

Q3 DESCRIPTIVE QUESTIONS

[48]

- Explain Safety measures for control of Physical Aspects of Environment in Foundries 6
- Dust is issue in Tobacco industry you visited .Explain? 6
OR
- Safety measures while working with a Lathe machine. 6

(12)

(P.T.O)

- Q4
- a. What are the managerial functions of a Safety Officer? 6
 - b. Suggestions of safety improvement in ceramics related industry you visited at Kanjari. OR 6
 - b. Participation for safety is at-most important across management level. Explain 6
- Q5
- a. What are the safety measures for Work at Height? 6
 - b. Write short note: Safety in Foundry Industry. OR 6
 - b. Write short note: Safety in Wind Blades Manufacturing Industry. 6
- Q6
- a. Explain Fit test with picture being drawn and explain its importance. 6
 - b. Write short note on : 5S OR 6
 - b. Write short note on : Machine Guarding 6

—X—
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