OCCUPATIONAL HEALTH (SEMESTER - 6)

CS/HM/SEM-6/BHM-604A/09 1. Signature of Invigilator 2. Reg. No. Signature of the Officer-in-Charge Roll No. of the Candidate

CS/HM/SEM-6/BHM-604A/09 ENGINEERING & MANAGEMENT EXAMINATIONS, JUNE - 2009 OCCUPATIONAL HEALTH (SEMESTER - 6)

Time: 3 Hours [Full Marks: 70

INSTRUCTIONS TO THE CANDIDATES:

- 1. This Booklet is a Question-cum-Answer Booklet. The Booklet consists of **32 pages**. The questions of this concerned subject commence from Page No. 3.
- 2. a) In **Group A**, Questions are of Multiple Choice type. You have to write the correct choice in the box provided **against each question**.
 - b) For **Groups B** & **C** you have to answer the questions in the space provided marked 'Answer Sheet'. Questions of **Group B** are Short answer type. Questions of **Group C** are Long answer type. Write on both sides of the paper.
- 3. **Fill in your Roll No. in the box** provided as in your Admit Card before answering the questions.
- 4. Read the instructions given inside carefully before answering.
- 5. You should not forget to write the corresponding question numbers while answering.
- 6. Do not write your name or put any special mark in the booklet that may disclose your identity, which will render you liable to disqualification. Any candidate found copying will be subject to Disciplinary Action under the relevant rules.
- 7. Use of Mobile Phone and Programmable Calculator is totally prohibited in the examination hall.
- 8. You should return the booklet to the invigilator at the end of the examination and should not take any page of this booklet with you outside the examination hall, **which will lead to disqualification**.
- 9. Rough work, if necessary is to be done in this booklet only and cross it through.

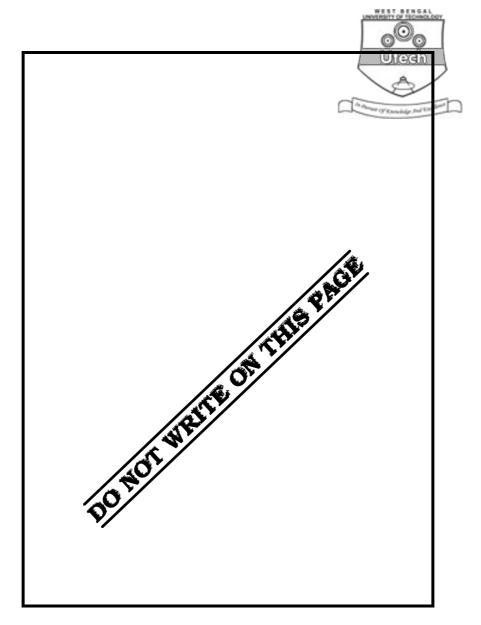
No additional sheets are to be used and no loose paper will be provided

FOR OFFICE USE / EVALUATION ONLY Marks Obtained Group - A Group - B Group - C Question Number Marks Obtained Marks Obtained

Head-Examiner/Co-Ordinator/Scrutineer

6806 (11/06)





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engineering & management examinations, June 2009 OCCUPATIONAL HEALTH

SEMESTER - 6

Time: 3 Hours] [Full Marks: 70

GROUP - A

			(Multiple	e Choice Type (Questions)				
l.	Cho	Choose the correct answer for any ten of the following:							
	i)	The contribution of the employer towards the ESI is							
		a)	1.75%	b)	2.74%				
		c)	4.75%	d)	4.25%.				
	ii)	The Chairman of the ESI Corporation is							
		a) Secretary to Government of India Ministry of Labour							
		b)							
		c)							
		d)							
	iii)	i) The Employees State Insurance Act was promulgated in the year							
		a)	1946	b)	1947				
		c)	1948	d)	1949.				
	iv)	The							
		a)	7 hrs per day	b)	10 hrs per day				
		c)	8 hrs per day	d)	9hrs per day.				
	v)	Coal-miners' pneumoconiosis has beeen declared as notifiable disease in							
		a) Consumer Protection Act & Mines Act							
		b)							
		c) Workmen's Compensation Act & Mines Act							
		d)	Mines Act.						

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vi)	Which of the following radiations is the most harmful?							
	a)	Radiation consisting of α partic	eles	Utech				
	b)	Radiation consisting of β particles						
	c)	Radiation consisting of γ partic	les					
	d)	None of these.						
vii)	The disease Leptospirosis is caused by							
	a)	Mechanical factors	b)	Chemical agents				
	c)	Biological agents	d)	Physical agents.				
viii)		ecording to Indian Factories Act, the minimum work space is required for each orker is						
	a)	500 Cu.ft.	b)	510 Cu.ft				
	c)	490 Cu.ft	d)	300 Cu.ft.				
ix)	The 1	;						
	a)	Microbacili	b)	Micropolyspora faeni				
	c)	Micro faeni	d)	Microspora.				
x)	Whic	th of the following does not come	r occupational hazards ?					
	a)	Physical hazards	b)	Medical hazards				
	c)	Psychological hazards	d)	Biological hazards.				
xi)	TLV refers to							
	a)	Threshold Lower Value	b)	Threshold Limit Value				
	c)	Trade Limit Value	d)	None of these.				

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GROUP – B

(Short Answer Type Questions)

Write short notes on any three of the following



- 2. Notification.
- 3. Role of Hospital Infection Control Committee.
- 4. Heat stress and its effect.
- 5. Accidents in Industry.

GROUP - C

(Long Answer Type Questions)

Answer any three questions.

 $3 \times 15 = 45$

- 6. What is Ergonomics? What do you mean by Occupational Environment? Describe its type in detail. 2 + 5 + 8
- 7. What is the ESI act? Give its major objectives. Elaborate the types of benefits that can be enjoyed under the ESI act. 2 + 3 + 10
- 8. What are notifiable communicable diseases? Explain any one of them.
- 9. What do you mean by Sickness Absenteeism? What is Occupational Dermatitis? What are the different precautions that should be followed by a hospital staff?

4 + 4 + 7 = 15

END