

<b>Name:</b>	
<b>Enrolment No:</b>	

## UNIVERSITY OF PETROLEUM AND ENERGY STUDIES

**Online End Semester Examination, May- 2021**

**Course Name: Mine Legislation & safety**

**Semester: VIII**

**Programme Name: B. Tech, Mining**

**Time: 03 hrs**

**Course Code: PEMI 4004**

**Max. Marks: 100**

### SECTION A (30 Marks)

Q 1	i. Air quantity checking for mechanical ventilators in gassiness type-II mines will be once in ----- days ii. In Non-sealed off areas, air supply should be ----- iii. Mines Creche rules are administrated by --- iv. Penalties & Procedures come under ---- v. Incombustible dust testing should be done once in -----months	<b>05</b>	<b>CO2</b>
Q 2	i. The date of annual return in mine is ----- ii. Methane monitors are placed at an interval of -----along main pipeline iii. O/b height in alluvium shouldn't be greater than ----- iv. Toe of spoil bank shouldn't get extended to any point within -----mtrs of mine opening v. Minimum age of trainee as per Mines Rule should be -----yrs	<b>05</b>	<b>CO2</b>
Q 3	i. Soundlevel of Audio Visual Alarm (AVA) should be at least _____ higher than the ambient noise level. ii. Fire extinguisher used to treat electrical fires is ---- iii. As per Reg.177 of MMR 1961 Every Fence erected on the surface shall once at least in every week be examined by --- iv. Flash back arrestor” should be provided for_____ v. Manholes are found in --- haulage	<b>05</b>	<b>CO1</b>
Q 4	i. Minimum height of shelter is > ---- mtrs ii. The reporting authority for cancellation & suspension of certificates is ---- iii. For appointment of mechanical engineer, aggregate power of all machines > ---- iv. Post shot-firing, area within a distance of --- mtrs from face needs to be cleaned v. Incombustible dust should contain ----% of silica	<b>05</b>	<b>CO1</b>
Q 5	i. O/b height in alluvium shouldn't be greater than ----- ii. Maximum number of persons working in overman's district should be less than – iii. Life span of treated timber used in rail sleeper is -----yrs (max) iv. Stepness of working in overman's district will be ----- v. Notice of occupational disease needs to be given in form -----	<b>05</b>	<b>CO3</b>
Q 6	i. For Degree-I, In the intake side of brattice, at a distance of 4.5 mtrs, air velocity is ----- -mtrs/min ii. Training officer for vocational training must has ---- yrs of experience iii. Rescue brigade consists on -----people iv. In ideal condition, the practical experience meant for mining mate is ----- years v. Runaway ramps can be seen at -----	<b>05</b>	<b>CO3</b>

