Question Paper Code : 4159

M.H.A. (Semester-II) Examination, 2018

(Second Paper)

OCCUPATIONAL HEALTH AND BIO-STATISTICS

[MBE-404(B)]

Time : Three Hours]   [Maximum Marks : 70

Note : Answer **five** questions in all. Question **no. 1** is **compulsory**. Besides this, attempt **one** question from each Unit.

1.   Write short notes on the following :   [3x10=30]

    (a)   Classification of Occupational Health

    (b)   Geometric Mean

    (c)   Bed Complement

    (d)   MTP Act 1971

    (e)   Importance of Bio-statistics

    (f)   Disease Registry

    (g)   Types of Validity

    (h)   Linear Regression

(i)   Registration of Vital Events

(j)   Demographic challenges in India

UNIT-I

2.   Discuss the controlling measures of occupational hazards in detail.   [10]

3.   Comment on the global picture of occupational health in the 21st century and elaborate on the economic burden of occupational and work related diseases.   [10]

UNIT-II

4.   Explain standard Deviation in detail and give at least one suitable example of the same.   [10]

5.   A psychological test of Intelligence and Engineering Ability was applied to 10 students. The record of ungrouped data showing Intelligence Ratio (IR) and Engineering Ability Ratio (EAR) is as under :   [10]

Students	A	B	C	D	E	F	G	H	I	J
Intelligence Ratio (IR)	105	104	102	101	100	99	98	96	93	92
Engg. Ability Ratio (EAR)	101	103	100	98	95	96	104	92	97	94

Calculate coefficient of correlation

UNIT-III

6.   What do you understand by sampling ? Discuss various sampling methods.   [10]

7.   What are Vital Statistics ? Define their sources and significance.   [10]

UNIT-IV

8.   Elaborate on the salient features of National Health Policy, 2017.   [10]

9.   Highlight the objectives, functions and significance of Census.   [10]

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