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End Semester Examination of Semester-II, 2016

Subject : PHYSIOLOGY (PG)

Paper : PHYPG-202

Group : Unit 15 & Unit 16

Full Marks : 40

Time : 2 Hrs

The figures in the margin indicate the marks corresponding to the question.

Candidates are requested to give their answers in their own word as far as practicable.

Illustrate the answers wherever necessary.

Unit-15 (Marks : 20)

Answer Q1. and any one out of Q2 and Q3:

Q1. Answer any five question: 2x5=10

- a) What do you mean by 'fitting the task with the man'?
- b) What do you mean by work study?
- c) What do you mean by static and dynamic anthropometry?
- d) What are the failure of the system?
- e) What do you mean by heat stress indices?
- f) What is silicosis and bagasosis?
- g) What are the hazards of ultra-violet radiation?
- h) What do you mean by shifting of hearing threshold?

(2)

- Q2. a) What do you mean by manual material handling?
- b) Briefly discuss about the health problems and risk factors associated to manual material handling.
- c) Discuss briefly about the importance of environment in system design.

$$2 + \left(2\frac{1}{2} + 2\frac{1}{2} \right) + 3$$

- Q3. a) Discuss briefly about occupational health and safety.
- b) What are the methods of assessment of occupational accidents?
- c) What is personal protective device? Mention some personal protective devices for respiratory protection.

$$2 + 3 + (2 + 3)$$

Unit-16 (Marks : 20)

Answer Q1. and any one out of Q2 and Q3:

Q1. Answer any five question:

$$2 \times 5 = 10$$

- a) What do you mean by the 'age pyramids' with comparison between our country and developed country like Switzerland?
- b) Write the relationship between community and society.
- c) What are the vital indicators considered for the indirect assessment of health and nutritional status of our country people with their values as per 2011 census report?

- d) How do you calculate the stunting, wasting and underweight condition of the children with their cut-off values?
 - e) What are the major health and nutritional programmes adopted in 12th five years plan period of our country?
 - f) What are the sources of information which help for communication of health nutrition education?
 - g) What are the biochemical markers used for assessment of high risk disorders with their normal reference values?
 - h) What are the specific role of Public health care system in our country?
- Q2. a) What are the factors influencing the community health?
- b) How do you calculate your own body density, body fat percentage and LBW with the help of different skinfold measurements?
 - c) State the different dietary assessment methods for nutritional status of an individuals or a family with their merits and demerits.
 - d) What do you mean by 12 by 12 initiative programme and why? 2+3+3+2
- Q3. a) What are the goals of health policy of our country?
- b) State the different services that are provided in ICDS centre with the target age groups of our country?

(4)

- c) Write different types of communication System for health and nutrition education and its different methods.
- d) What are the main objectives of MDMP and When it was started? 2+3+3+2
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