

2016

NUTRITION

[Honours]

PAPER — II

Full Marks : 90

Time : 4 hours

*The figures in the right hand margin indicate marks
Candidates are required to give their answers in their
own words as far as practicable*

Illustrate the answers wherever necessary

[NEW SYLLABUS]

UNIT — 03

GROUP — A

1. Answer any five questions from the following :

(a) What do you mean by RQ and when RQ^{2 × 5}
values are changed ?

(Turn Over)

- (b) What is the size range of nanoparticle ?
- (c) What do you mean by 'Quetlet Index' ?
- (d) Define reference man and reference woman.
- (e) Write the name of four marking points for subcutaneous fat measurement by skinfold calipers.
- (f) What do you mean by pre and post event meals ?
- (g) What is food aversion ?
- (h) What is growth spurt ?

GROUP – B

Answer any **four** questions from the following : 5 × 4

- 2. Briefly describe packed lunch for school children. 5
- 3. Describe different factors influencing BMR ? 5

4. What do you mean by artificial feeding ? Write the process of sterilization of feeding bottle. 2 + 3
5. (a) What is meant by still birth ?
(b) Briefly describe nutritional management of preterms babies. 5
6. State the non-nutritional factors affecting pregnancy outcome. 5
7. How will you manage teething and dental problems of children ? 5
8. Explain briefly carbohydrate loading and sports anaemia. $2\frac{1}{2} + 2\frac{1}{2}$

GROUP — C

Answer any one question from the following : 15×1

9. (a) State the relation between KCal and Joule.
(b) How do you determine the food energy by Bomb-calorimeter with the amount of energy production in each one gram of carbohydrate, protein and fat ?

(c) Distinguish between LBM and TFM.

(d) What is pica ? Mention the utility of growth chart. $2 + 3 + 3 + (3 + 4)$

10. (a) How body composition changes in astronauts travelling in space ?

(b) State the dietary guideline for management of geriatric health problems.

(c) Describe briefly about the different energy system required for endurance and sprint activities.

(d) Describe the recommendation of WHO regarding exclusive breast feeding and early initiation of breast feeding in children.

$3 + 4 + 4 + 4$

UNIT – 04

GROUP – D

11. Answer any *five* questions from the following :

2×5

(a) What is codex alimentations ?

- (b) What is age pyramid ?
- (c) What do you mean by prevalence and incidence ?
- (d) What is relative risk of disease ?
- (e) What is 'Triple A' cycle ?
- (f) What is marasmic Kwashiorkor ?
- (g) What is FSSAI(fssai) ?
- (h) State the reasons of droplet infection ?

GROUP — E

Answer any **four** questions from the following : 5×4

- 12. Distinguish between 'Case Control Study and Cohort Study'. Write the name of four vector borne diseases. $3 + 2$
- 13. What is serology ? Discuss different serological methods of detection of diseases. $2 + 3$
- 14. Write the role of national and international agencies in nutrition surveillance system. $2\frac{1}{2} + 2\frac{1}{2}$

15. State the WHO classification of Vitamin A deficiency in detail. 5
16. What do you mean about place and time distribution in epidemiologic approach ? $2\frac{1}{2} + 2\frac{1}{2}$
17. State the medical and educational services for the prevention of malnutrition. $2\frac{1}{2} + 2\frac{1}{2}$
18. Describe the process of institutional diet survey in detail. 5

GROUP — F

Answer any one question from the following :

15 × 1

19. (a) What is meant by demographic cycle ? Why is the year 1921 called the big divide ?
- (b) 'Elevated life span of the population of a country ensures the proper community health of that country'. — Explain.
- (c) State about the different methods of dietary survey with merits and demerits of specific methods.

(d) How can you interpret ICMR scoring method of clinical examination ? $3 + 3 + 6 + 3$

20. (a) State the epidemiological principles of disease control.

(b) What do you mean by vital statistics ? State its significance.

(c) What do you mean by prodromal, eruptive and convalescent stages of infectious disease ?

(d) What are the laws governing for food standards in our country ? $4 + 3 + 4 + 4$
