

2019

NUTRITION

[Honours]

PAPER —I

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

UNIT — I

[Marks : 45]

GROUP — A

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

(a) What is herd immunity ?

2 × 5
10

(Turn Over)

- (b) What is optic chiasma ?
- (c) Write the names of two hypophyseal hormones.
- (d) What is P_{50} value ?
- (e) What is sensible perspiration ?
- (f) Write the name of two enzymes responsible for estrogen synthesis.
- (g) What is the role of amylase ?
- (h) Write the consequences due to removal of Ca^{2+} from blood.

GROUP – B

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

- 2. (a) Differentiate between osteoclast and osteoblast.
- (b) Diagrammatically represent (schematic) O_2 transport in our body. 2 + 3

3. (a) What is Grave's disease ?
(b) State briefly the role of any two goitrogenic agents responsible for thyroidal dysfunction. 1 + 4
4. (a) Draw a clear diagram of gustatory pathway.
(b) Why vasopressin is called antidiuretic hormone ? 4 + 1
5. (a) What is meant by anti-D factor ?
(b) Diagrammatically represent the longitudinal sectional view of heart. 2 + 3
6. State the absorption of carbohydrate inside gut with special reference to different glucose transporters. 5
7. (a) What is meant by postmenopausal syndrome ?
(b) Discuss briefly the hormonal regulation during menopause. 2 + 3

8. Describe the role of Kidney in the maintenance of blood buffering. 5

GROUP – C

Answer any **one** question : 15 × 1

9. (a) Describe the mechanism of blood coagulation.
- (b) Discuss how chemoreceptor and baroreceptor regulate blood pressure. 8 + 7
10. (a) State the significance of immunization in children.
- (b) Schematically represent different immunization schedule of children and new born babies.
- (c) Discuss the different immunization hazards.
- (d) Briefly describe the role of skin in the protection of human body. 3 + 5 + 4 + 3

UNIT – II

[Marks : 45]

GROUP – D

11. Answer any *five* questions from the following : 2 × 5

(a) Who are the target groups of CNP and BFP?

(b) What is FSIN?

(c) What do you mean by decentralized model of MDMP?

(d) What do you mean by gender biasness?

(e) Define IMR.

(f) What is meant by information rich?

(g) What do you mean by content analysis in a mass communication system?

(h) What is meant by social communication?

GROUP – E

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

12. (a) What is World Food Programme Project ?
- (b) State briefly about UNICEF assistance for women and children. $2\frac{1}{2} + 2\frac{1}{2}$
13. Discuss, briefly the impact of KAP model in the field of nutrition and health. 5
14. What is interpersonal health communication ? Mention the challenges of health communication. $2 + 3$
15. Discuss the role of mass media in the development of nutritional awareness among the people of low socio-economic condition mentioning its merits and demerits. 5
16. State the importance of nutrition education to improve health awareness in rural community. 5
17. Describe the global approach of 'Nutrition Education'. 5

18. (a) Represent the 'Entitlement norm per child per day' under MDM in a tabular form.
- (b) What are the criteria for the recruitment of ASHA? 3 + 2

GROUP – F

Answer any **one** question : 15 × 1

19. (a) State the objectives of ICDS programme.
- (b) Discuss 'child to parent strategy' of nutrition education'.
- (c) Elaborate the meaning of 'information rich and information poor' from the angle of Nutrition information system. 5 + 5 + 5
20. (a) Describe different steps adopted for condition of 'National Nutritional Programme'.
- (b) State the role of BFP in the improvement of nutritional health of mother, new born and young children. 8 + 7