

**2016**

**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*

**[ NEW SYLLABUS ]**

**UNIT — I**

**GROUP — A**

1. Answer any five questions from the following :  $2 \times 5$ 
  - (a) State the consequences of removal of  $\text{Ca}^{2+}$  from blood.
  - (b) What is the role of amylase ?

( Turn Over )

- (c) Write the name of two enzymes responsible for estrogen synthesis.
- (d) What is sensible perspiration ?
- (e) What is  $P_{50}$  value ?
- (f) Write the names of two hypophyseal hormones.
- (g) What is optic chiasma ?
- (h) What is herd immunity ?

GROUP –B

Answer any *four* questions from the following :  $5 \times 4$

- 2. (a) What is meant by anti-D factor ?
- (b) Diagrammatically represent the posterior view of heart. 2 + 3
- 3. State the absorption of carbohydrate inside gut with special reference to different glucose transporters. 5

4. (a) What is meant by postmenopausal syndrome?  
(b) Discuss briefly the hormonal regulation during menopause. 2 + 3
5. Describe the role of kidney in the maintenance of blood buffering. 5
6. (a) Draw a clear diagram of gustatory pathway.  
(b) Why vasopressin is called antidiuretic hormone? 4 + 1
7. (a) What is Grave's disease?  
(b) State briefly the role of different goitrogenic agents responsible for thyroidal dysfunction. 1 + 4
8. (a) Differentiate between osteoclast and osteoblast.  
(b) Diagrammatically represent (schematic) the  $O_2$  transport system in our body. 2 + 3

GROUP - C

Answer any *one* question :  $15 \times 1$

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 represents 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

GROUP - D

11. Answer any *five* questions of the following :  $2 \times 5$
- (a) What is meant by social communication ?

- (b) What do you mean by content analysis in a mass communication system ?
- (c) What is ethnography ?
- (d) Define IMR.
- (e) What do you mean by gender biasness ?
- (f) What do you mean by decentralized model of MDMP ?
- (g) What is FSIN ?
- (h) Who are the target groups of CNP and BFP ?

**GROUP –E**

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

12. (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

13. Describe the global approach of 'Nutrition Education'. 5
14. State the importance of nutrition education to improve health awareness in rural community. 5
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. What is interpersonal health communication ? Mention the challenges of health communication. 2 + 3
17. Discuss, briefly the impact of KAP model in the field of nutrition and health. 5
18. (a) What is World Food Programme Project ?
- (b) State briefly about UNICET assistance for women and children.  $2\frac{1}{2} + 2\frac{1}{2}$

GROUP -F

Answer any *one* question :  $15 \times 1$

19. (a) Describe different steps adopted for conduction of 'National Nutritional Programme'.
- (b) State the role of BFP in the improvement of nutritional health of mother, new born and young children.  $8 + 7$
20. (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.  $5 + 5 + 5$
-

