

M.Sc. Home Science (Human Development)

Semester-II Examination

HUMAN ANATOMY AND PHYSIOLOGY

Paper—123 HA 53

Time : Two Hours]

[Total Marks : 45

Note :- (1) **ALL** questions are compulsory.

(2) Draw diagram wherever necessary.

1. Solve any **one** of the following :

(i) Write in detail about Physiology of ageing.

(ii) Write in detail about Physiology of body systems.

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2. Do as directed :

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(1) Match the following :

(i) Smooth Muscle (a) Contains plasma and blood cells

(ii) Areolar tissue (b) Takes part in blood clotting

(iii) Adipose tissue (c) Structural and functional unit of protoplasm

(iv) Cell (d) Striated involuntary muscle

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|-----------------------|--------------------------------------|
| (v) Blood | (e) Contains all types of tissues |
| (vi) Nervous tissue | (f) Striated Voluntary Muscle |
| (vii) Skeletal Muscle | (g) Cell contains signet Nucleus |
| | (h) Involuntary Non striated- Muscle |
| | (i) Contains axon and dendrites |

(2) Write on Haemostasis. 2

3. Answer as directed :

(1) Write true or false of the following :

- (i) Ovulation takes place on 8th day of Menstrual cycle.
- (ii) Oestrogen hormone is responsible for the development of secondary sex characters.
- (iii) Uterus secretes the hormone progesteron.
- (iv) Tubectomy is the permanent method of family planning in female.
- (v) Colostrum, milk of mother is harmful to her newborn baby.
- (vi) Menstrual cycle is of 28 days.
- (vii) Progesteron hormone is responsible for proliferating phase of Menstrual cycle. 7

(2) Write on tests during pregnancy. 2

4. Answer as following :

(1) Define the following :

- (i) Neuron
- (ii) C.S.F.
- (iii) Gray matter
- (iv) White matter
- (v) Cerebrum
- (vi) Cerebellum
- (vii) Spinal cord. 7

(2) Write about electroencephalogram. 2

5. Solve any **one** of the following :

- (i) Write in detail about structure and functions of endocrinal part of Pancreas.
- (ii) Name all the endocrinal glands present in our body. Write in detail about Thyroid-gland. 9