

Total No. of Printed Pages - 2

SS/ESN-1/AP/02-23

2 0 2 3

(February)

ANATOMY & PHYSIOLOGY

Full Marks : 75

Time : 3 hours

*The figures in the margin indicate full marks
for the questions*

Answer **all** questions

*Write the answers to the two Halves
in separate books*

FIRST HALF

1. Describe blood supply of heart under following headings. 2+5+3=10
 - i. Name of the coronary arteries.
 - ii. Origin, course and area of distribution.
 - iii. Applied anatomy.
2. Mention of female reproductive system under following headings. Mention in. 3+5+2=10
 - i. Different organs involved.
 - ii. Details about supports of uterus.
 - iii. Applied anatomy

(Turn Over)

(2)

3. Write short notes on (any three) 4x3=12
- i. Skeletal muscle
 - ii. Structure of a neuron
 - iii. Glands
 - iv. Bronchopulmonary segment
 - v. Blood supply of stomach
4. Fill in the blanks: 1x6=6
- i. _____ is the largest organ of human body.
 - ii. _____ is the power house of cell
 - iii. _____ phylogenetically is the oldest cerebellum.
 - iv. Bell's palsy is due to sudden paralysis of _____ cranial nerve.
 - v. Sweat gland poured out its secretion by _____ mode of secretion.
 - vi. Shoulder joint is a _____ type of synovial joint.

SECOND HALF

5. Define Erythropoiesis? What are the different stages of Erythropoiesis? 2+8=10
- OR
- What is Blood Pressure? What are the normal values of Blood Pressure? Write down the different regulation of Blood Pressure? 2+1+7=10
6. Describe the composition and function of gastric juices? 5+5=10
7. Write Short Notes on the following (any four) 4x3=12
- i. Neuron
 - ii. Pulse
 - iii. Synapse
 - iv. Vital Capacity
 - v. Reflex
 - vi. Anterior pituitary hormones.
8. Fill in the blanks: 1x5=5
- i. Normal GFR is _____ mL/min.
 - ii. Normal life span of RBC is _____ days.
 - iii. Emergency situation is dealt by _____ division of Autonomic Nervous System.
 - iv. Diabetes mellitus is caused due to _____ hormone deficiency.
 - v. _____ is called the power house of a cell.

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