

Total No. of Printed Pages – 3

SS/BSN-1/AP/03-18

2 0 1 8

(March)

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. Define joint. Classify different types of joints. Describe synovial joint in detail with suitable diagrams. 2+1+7=10
2. What are the chambers of heart? Write briefly about interior of right atrium. Give a detailed description of coronary circulation. 2+3+5=10
3. Write short notes on (*any three*) 5×3=15
 - (a) Pituitary gland
 - (b) Ovary

(Turn Over)

(2)

(c) Epithelial tissue

(d) Kidney

(e) Skeletal muscles

4. Fill in the blanks : $\frac{1}{2} \times 4 = 2$

(a) Goblet cells are _____ cell glands

(b) Cardiac muscles contain _____ discs.

(c) Vertebrae are _____ shaped bones.

(d) _____ is the structural and functional unit of nervous system.

SECOND HALF

5. Define Erythropoiesis. Explain different stages of erythropoiesis with suitable diagram. $2+8=10$

6. Write short notes on : $4 \times 5 = 20$

(a) Phagocytosis.

(b) Plasmaproteins.

(c) P- Cell

(d) Platelets.

(e) Properties of cardiac muscle.

7. Fill in the blanks : $1 \times 6 = 6$

(a) Valve present between left ventricle and aorta is called _____.

(b) Life span of RBC is _____.

(c) In anaemia, ESR is _____.

Continued

(3)

(d) Heart muscle is _____ syncytium.

(e) _____ junctions present between cardiac muscle fibre.

(f) Neutrophilia is found in _____ infection.

8. Write the definition of following :

1×2=2

(a) Jaundice

(b) Cyanosis.

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