QP CODE: 136003 **Reg. No. …….**

First Professional BAMS Degree Regular/Supplementary Examinations June 2024
Kriya Shareera - Paper II (AyUG – KS)
(2021 Scheme)

Time: 3 Hours **Total marks:100**

- ***Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space***
- ***Answer all parts of a single question together • Leave sufficient space between answers***
- ***Draw diagrams wherever necessary***

1. **Multiple Choice Questions** **(20x1=20)**

The Answers to MCQ questions (Q.No.i to Q.No.xx) shall be written continuously on the first two writing sheets (ie Page No. 3 & 4) only

i. Dharanatwa & Poshanatwa of the body is done by
   a) Dosha b) Dhatu c) Mala d) Upadhatu

ii. Dravata of rakta is due to which bhuta
   a) Bhumi b) Jalam c) Agni d) Vayu

iii. Pramana of medodhatu
   a) 4 anjali b) 10 anjali c) 7 anjali d) 2 anjali

iv. Fall of Teeth, Hair, Nail is because of
   a) Rasa dhatu kshaya b) Rakta dhatu kshaya
   c) Mamsa dhatu kshaya d) Asthi dhatu kshaya

v. Mula of Majjavaha Srotas
   a) Hridaya and dasadhamani b) Yakrit and pliha
   c) Medas and jaghanam d) None of the above

vi. Quantity of Sukra in the body according to Charaka
   a) ¼ Anjali b) ½ Anjali c) 1 anjali d) 4 anjali

vii. Eshat lohita peetakam is
   a) Rakta dhatu b) Ojas c) Mamsa dhatu d) Hridaya

viii. kaale bhavati gacchati is
   a) Dosha b) Dhatu c) Upadhatu d) Mala

ix. Mala of rasa dhatu
   a) Kapha b) Pitta c) Khamala d) Sneha

x. According to Charaka, development of Indriyas occur in
   a) 4^{th} month b) 5^{th} month c) 2^{nd} month d) 3^{rd} month

xi. Average life span of Platelets
   a) 12 days b) 5 days c) 10 days d) None of the above

xii. Assertion A- active artificial immunity may be effective life long
   reason – it is effective life long against mumps, measles, smallpox.
   a) Both A & R are true and R is the correct explanation of A
   b) Both A & R are true, but R is not the correct explanation of A
   c) A is true, but R is false
   d) Both A & R are false.

(PTO)

xiii. A football player is found to have a resting cardiac output of 5 liters per minute & a heart rate of 50 beats per minute. What is the stroke volume
a) 10ml b) 100ml c) 1000ml d) 250ml

xiv. Oxygen binding protein found in muscle fiber
a) Haemoglobin b) Myoglobin c) Globin d) Globulin

xv. Functions of white adipose tissue
a) Storage of energy b) Heat insulation
c) Protection of internal organs d) All the above

xvi. Site of spermatogenesis
a) Seminiferous tubules b) Epididymis
c) Vas deferens d) Vas efferens

xvii. Absence of menstrual bleeding is known as
a) Amenorrhea b) Hypomenorrhea c) Oligomenorrhea d) Menorrhagia

xviii. Substances not reabsorbed from distal convoluted tubule
a) Potassium b) Urea c) Uric acid d) All the above

xix. Urine analysis of a subject shows proteinuria, hematuria & the subject have oliguria and has edema & have hypertension. what will be the likely diagnosis
a) Renal calculi b) Uremia
c) Polycystic kidney disease d) Acute renal failure.

xx. Consolidation of memory occurs in
a) NREM stage 1 b) NREM stage 2 c) NREM stage 3 d) REM stage

Short Answer Questions **(8x5=40)**

2. Explain the difference between dhatu and upadhatu. Write about different theories related to Dhatu poshana nyaya.
3. Describe the characteristics of Majja sara purusha & lakshanas of Kshaya and Vriddhi of majja.
4. Define upadhatu and mala. write the upadhatu and mala of each dhatu according to different acharyas.
5. Explain Nidrotpatti & Svapnotpatti, classify nidra and svapna.
6. Write about Leukopoiesis.
7. Write a note on adipose tissue and Lipid profile.
8. Describe the functions of placenta
9. Write the functions of Juxta glomerular apparatus.

Long Answer Questions **(4x10=40)**

10. Explain the derivation, functions, pramana of rasa Dhatu and mula stanas of Rasavaha Srotas. Define sara. Classify and mention the features of individuals belonging to Twak sara purusha. (1+1+1+2+1+2+2)
11. Define Vyadhikshamatwa and Ojus. Classify Bala. Explain Balavriddhikara Bhavas. (4+3+3)
12. Name Ekadasa indriyas and functions. Define Manas and write its location, properties, functions and objects. (5+5)
13. Write the composition and functions of blood. Describe the process of Erythropoiesis and Explain Vitamins necessary for Erythropoiesis. (2+2+6)

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