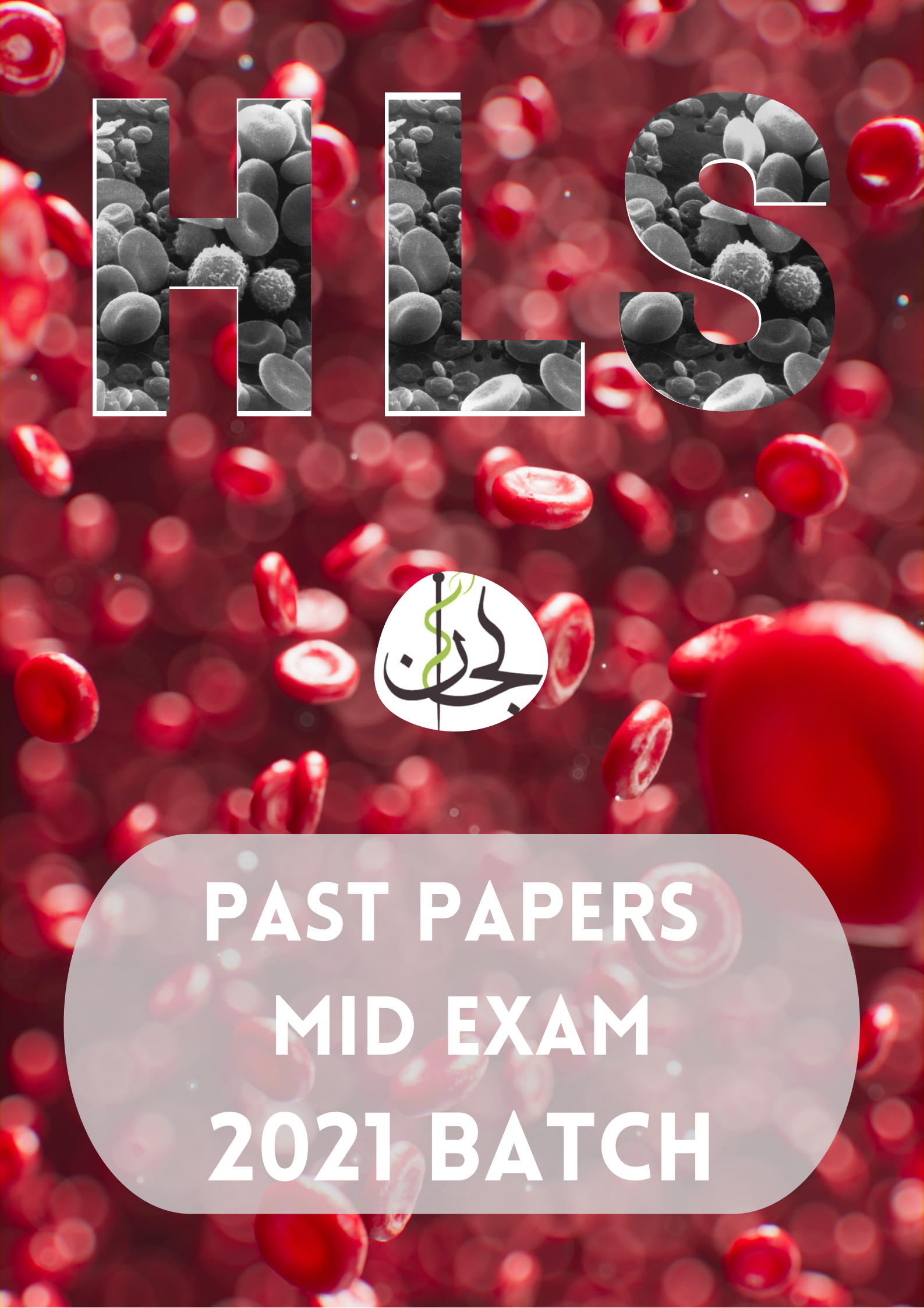


PAST PAPERS
MID EXAM
2021 BATCH

HISTOLOGY

1)which of the following is Not made of reticular framework:

A) bone marrow

B) lymph node

C)spleen

D)Thymus

E) None of the above

2) which of the following has a hyloromere & granulomere :

A)small cell- like element has many granules

B)binucleate cell with acidophilus granules

C)granulated polymorphic cells

3) which of the following is not a function of plasma proteins:

A)immunity

B)clotting

C)oxygen carrying

D)osmotic pressure

Ans: D , A, C

4) Which of the following characteristics is the least value to distinguish between spleen & lymph nodes:
a) blood sinusoid
b) Subcapsular sinus
c) small dark round nucleus cells
d) fibroblasts in capsule and trabaecule

Ans: D

5) The correct sequence of PMN maturation is:
Ans:
myeloblast>promyelocyte>myelocyte>metamyelocyte>band cell >segmented cell

6) The at least value to distinguish between spleen & lymph nodes:
Ans: Lymphatic follicles

7) Wrong statement regarding WBC :

A)monocytes – powerful phagocytic ability

B) basophils releases eisonophilic chemotactic agent

C)eisonophilis act in parasitic infection

8) The correct order for hematopoiesis in fetus :

A) bone marrow – yolk sac -liver

B) yolk sac – spleen/liver – bone marrow

C) liver /spleen – yolk sac – bone marrow

Ans: A / B

BIOCHEMISTRY

1) fetus has less 2,3-BPG Than adult due to :
a) The rapidity of glycolic pathway
b) pk m is less efficient
c) pk L is activated

2) One of the following is wrong consider G6PD deficiency disorder :
a) Common in males more than females
b) Point mutation
c) Lead to hemolysis
d) In Jordan is common disease due to the unstable enzyme & normal activity

3) Choose the wrong statement regarding methemoglobin reductase:
A) Need NADH to reduce ferric
B) NADPH is needed in treatment
C) The Pentose phosphate pathway is critical in its mechanism

Ans: A/ D /C

4) incorrect in fetus 6-8 week hemoglobin compare to 24 week fetus :
A)there is a homotetramer Hemoglobin
B)there is variety of Hb types
C)they decrease after a short time

5) 2,3-BPG is different in fetusdue to a change in :
A) His 146
B) His 143 on beta or alpha chain
C) His 143 on beta only

6) wrong about CO2 binding :
A)one third bind to hemoglobin
B) CO2 stable the T state
C) CO2 bind to heme
D) CO2 bind to hemoglobin in the ferrous form

7)The mutation of HBE results from:
A) A incorrect splicing of RNA protein
B) point mutation

Ans: A / C / C/ A

8) Not true regarding Hill COEFFICIENT:

A) doesn't reflect the degree of cooperativity

B) reflects the positive cooperativity

C) reflects the negative cooperativity

D) reflects the numbers of molecules that bind

Ans : D

PHYSIOLOGY

1) wrong statement regarding platelets :
A) helps in injury site remodeling
B) helps in clot retraction
C) platelets adhesion is platelets attached together in injury site

2) Wrong statement regarding hemostasis :
A)platelet aggregation is after clot formation
B) Migrating neutrophils binding is weak

3) Not a role of thrombin:
A) polymerization of fibronogen monomers to fibrin fibers
B) Binds to its receptor on platelets
C) Promotes activation of factor v

Ans: C/ A / A

4) Wrong regarding WBCs:
Ans: phagocytes is random process

5) If you know that each gram of hemoglobin can be maximally saturated with 1.34ml oxygen in human, how many oxygen will be needed in normal male ?
A)21 ml/dl
B)27 ml/dl
C) 83 ml/dl
D) 15 ml/dl

6)one of the following is procoagulant:
A)protein c
B) heparin
C)phospholipid
D)prostacyclin
E) thrombomodulin

Ans: A/ C

7) Choose the wrong statement:
A) HCT is higher in pregnant women than non pregnant
B) HCT in a male is lower than 40% means he has anemia

8) In which of the following there is low erythropoietin?
A) hemolytic anemia
B) Nephrotic syndrome
C) newborn
D) high testosterone

9) What causes erythema (redness) in inflammation:
A) increase permeability
B) relaxation of vessels smooth muscle
C) pressure on nerve endings

Ans: A/ C/ B

10) Regarding red blood cells parameters, which of the following is wrong:

A) Hemoglobin stays at the same level during life

B) Iron deficiency anemia is microcytic hypochrmic

C) Aplastic anemia is haemolytic anemia

11) regarding PT/PTT/INR which one is wrong:

(self reading material)

A) Ptt is used to assess extrinsic pathway

B) Pt needs calcium while ptt doesn't

C) If a patient take warfarin then INR will high

Ans : 10-A , 11- B

12) wrong statement:

Ans: neutrophils can phagocytos a complete RBC

13) What is the wrong order of coagulation cascade? (Deleted question)

A) Tissue factor -->VIIIa -->prothrombin

B) Tissue factor —> extrinsic pathway—> factor Xa

C) XII —> XI —> VIII

14) wrong statement regarding iron metabolism In hemolysis:

A) eliminated through gi system

B) biliverdin —> bile

Ans : A

PATHOLOGY

1) A12 year old patient that has a traumatic accident , and she was hospitalized. her hemocrit level was low even after blood transfusion, what will appear after 7 days?

a) reticulocytosis
b) Decreases EPO
c) Leukocytosis
d) Leukopenia
e) Schistocytosis

2) We can find large macrocytic RBCs in all the following except:

A) Hypothyroidism
B) Myelodysplastic syndrome
C) Treatment with Alpha methyl dopa
D) Vegans
E) Alcoholism

Ans: A/ C

3) Folate deficiency occurs following :
a) iron deficiency
b) acute hemorrhage
c)chronic gi bleeding
d)Chronic hemolytic anemia

4) Anemia is associated with lymphoma except in:
A) Aplastic crisis
B)treatment with methotroxat
C) increase in IgM
D) megaloplastic anemia
E) bone marrow infiltration

5) A disease can be treated by splenectomy :
A)sickle cell
B) hereditary sphereocytosis
C)PNH

Ans: D / A / B

6) A disease in which RBCs lack central pallor, we find:

A) High MCHC

B) High MCH

7) Which is wrong regarding polycythemia Vera?

A)basophilia

B)high altitude tributes

C)chronic pulmonary disease

8) All of the following lead to Iron deficiency except:

a)gi bleeding

b)relative polycythemia

9) Folic acid deficiency is commonly happen in one of the following:

A) Chronic hemolysis

B) Chronic blood loss

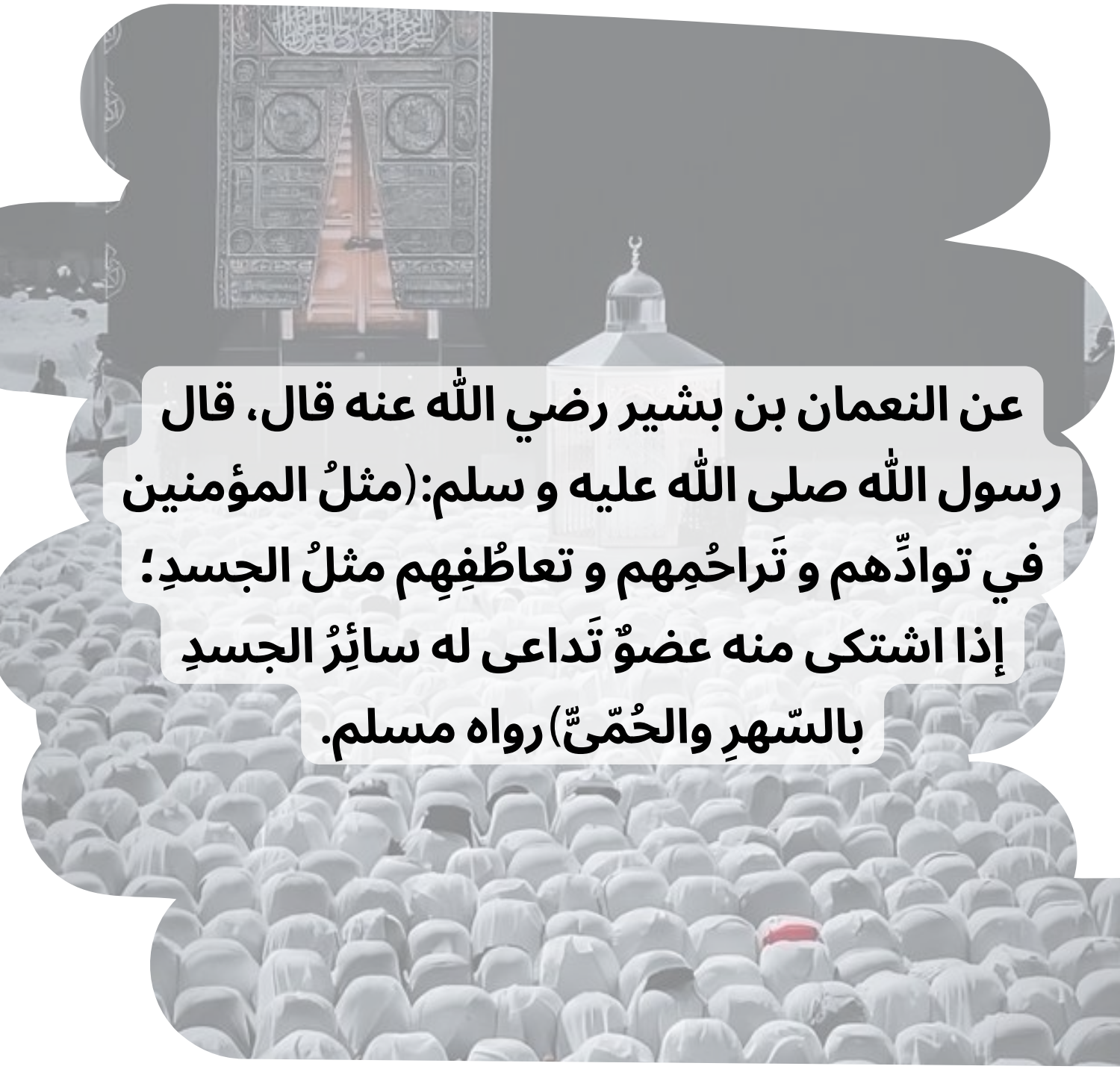
C) Acute blood loss

D) Chronic inflammation

Ans: A / B / B/ A

10) doesn't lead to severe anemia :

Ans: Cd55



عن النعمان بن بشير رضي اللّٰه عنه قال، قال رسول اللّٰه صلى اللّٰه عليه و سلم:(مثلُ المؤمنين في توادِّهم و تَراحُمِهم و تعاطُفِهِم مثلُ الجسدِ؛ إذا اشتكى منه عضوٌ تَداعى له سائِرُ الجسدِ بالسّهرِ والحُمّىّ) رواه مسلم.