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Total No. of Questions :6] SEAT No. :
P373 [Total No. of Pages :3
 [5215] - 32
F.Y.B.Sc. (Vocational)
BIOTECHNOLOGY
VOC-Biotech.-101:Biochemistry and Microbiology (Paper - I)
(2013 Pattern)

Time : 3 Hours] [Max. Marks :80

Instructions to the candidates:

- 1) Answers to the two sections should be written in separate answer book.
- 2) Neat diagrams must be drawn wherever necessary.
- 3) Figures to the right indicate full marks.
- 4) All questions are compulsory.

SECTION-I

(Biochemistry)

Q1) Answer the following in short: [8]

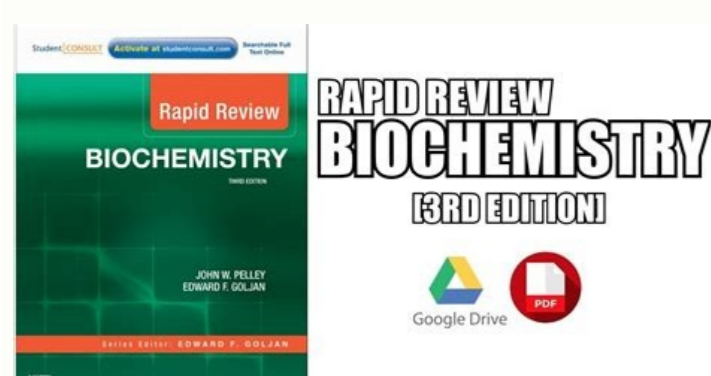
- a) Define proteins. Give any one example.
- b) What is a nucleoside? Give any one example.
- c) Define is anabolism? Name any one catabolic pathway.
- d) Mention any two non-protein enzymes.

Q2) Answer any four of the following: [16]

- a) Explain the structure of t-RNA with the help of neat and well labelled diagram.
- b) Explain the effect of temperature on enzyme activity.
- c) Differentiate between saturated fatty acids and unsaturated fatty acids.
- d) What are the functions of carbohydrates?
- e) Classify amino acids on the basis of nutrition.

P.T.O.

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[4217] - 424

T.Y. B.Sc. (Semester - IV) Examination, 2012
CHEMISTRY (Paper - VI) (Ele. - II)
CH - 346 (C) : Biochemistry (Introduction to Biochemistry and Molecular Biology)
(2008 Pattern) (New)

Time : 2 Hours Max. Marks : 40

- Instructions : 1) All questions are compulsory.
 2) Figures to the right indicate full marks.
 3) Neat diagrams must be drawn wherever necessary.

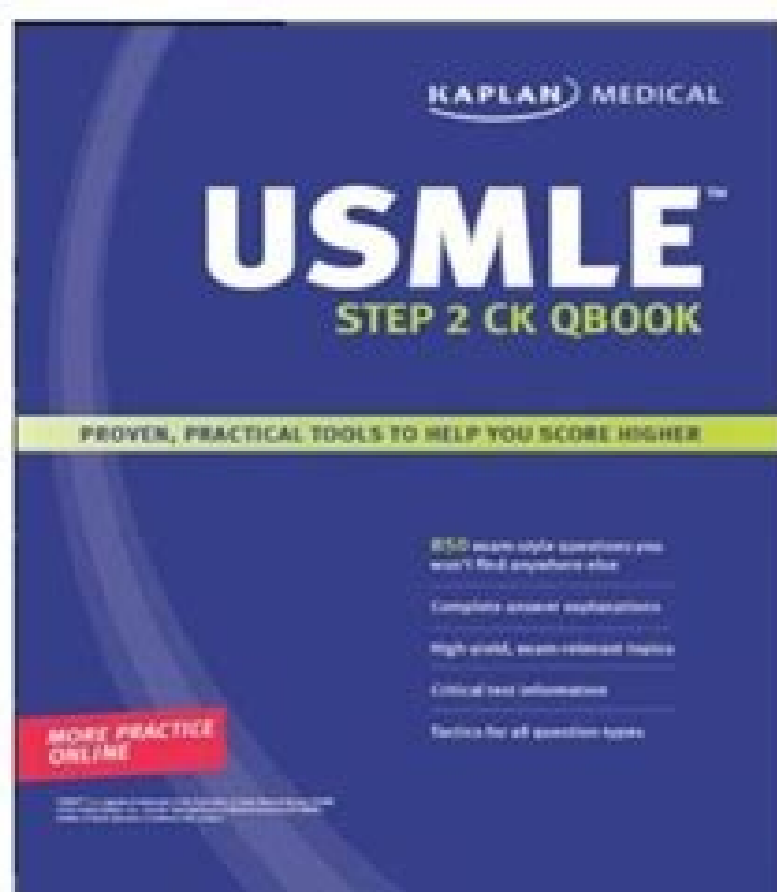
I. Answer the following: 10

- 1) What is an Initiation Codon ?
- 2) What are restriction endonucleases ? Give example.
- 3) List out two high energy compounds.
- 4) Where does TCA cycle occur in the cell ?
- 5) How many ATP molecules are synthesised when 1 mole of palmitic acid is completely degraded by β -oxidation ?
- 6) Give one example of decarboxylation reaction of amino acid.
- 7) Define oxidative phosphorylation.
- 8) Write the structure of ATP.
- 9) Give two examples of vectors.
- 10) What are the types of RNA ?

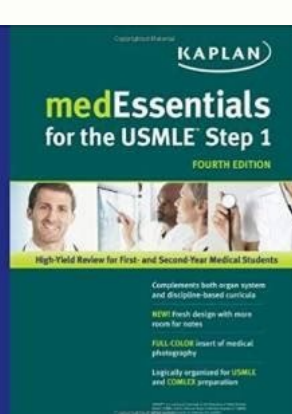
II. Answer any two of the following: 4

- 1) Give the components of pyruvate dehydrogenase complex.
- 2) Differentiate between DNA polymerase I, II and III.
- 3) Show the central dogma of molecular biology.

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The style is more concise/abbreviated/clinic-flashcardy than the actual clinical vignettes and software handles the explanations in an annoying way, but the site maintains its test history, allows you to review the previous answers (without tutoring mode) and choose questions based on Subject and Body System. The appearance of QBank approaches the USMLE Fred software. All CPA review refunds are subject to a \$75 cancellation fee (for one-section purchases) or \$250 (for package purchases), in addition to applicable shipping charges. I cannot guarantee the quality of these resources, but Wikidoc, Reading, Medbullets, Sapphire and Wiki Test PrepThey are approximately 3500 questions, more large than UW (although surely with a lot of overlapping between sources). 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Some of the bits I sawÁ AwereÁ Áa bit obscure, particularly given its size.Osmosis is a completely free (>5000 question) qbank and video product. I scoured the web to find free question banks online (updated June 2019):The NBME offers its own small set of free practice materials for the Steps 1, 2, and 3. Offer valid for new enrollments only from June 1, 2022, through June 6, 2022, at midnight PT. Refund amounts determined by UWorld are final.In-App Purchases: We are unable to process any refunds for purchases made via mobile application (in-app). The questions are straightforward fact-recall type and the site itself is clunky and hideous, but iteÁÁÁs still decent review.Kaplan lets you try one 48-question section for free after signing up.Learntheheart.com has 50 cardiology USMLE Step 1 questions, with plans to add more.Enjoy. All refunds are evaluated on a case-by-case basis for products purchased directly from UWorld. 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