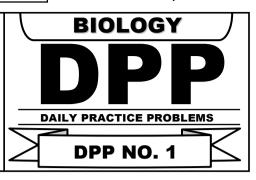


TARGET: NEET (UG) 2024

**Course: SARANSH (Youtube Live CRASH COURSE)** 



**BOTANY: CELL-THE UNIT OF LIFE** 

**DPP No.: 1** 

1. A major site for synthesis of lipids is

(1) SER

(2) Symplast

(3) Nucleoplasm

(4) RER

- 2. Which of the following statements are correct with respect of Golgi apparatus?
  - (A) It is the important site of formation of glycoprotein and glycolipids.
  - (B) It produces cellular energy in the form of ATP
  - (C) It modifies the protein synthesized by ribosomes on ER.
  - (D) It facilitates the transport of ions.
  - (E) It provides mechanical support.

Choose the most appropriate answer from the options given below:

(1) (B) and (C) only

(2) (A) and (C) only

(3) (A) and (D) only

(4) (D) and (E) only

3. Which structures perform the function of mitochondria in bacteria?

(1) Nucleoid

(2) Ribosomes

(3) Cell wall

(4) Mesosomes

**4.** Given below are two statements:

Statement I: In bacteria, the mesosomes are formed by the extensions of plasma membrane.

Statement II: The mesosomes, in bacteria, help in DNA replication and cell wall formation.

In the light of the above statements, choose the most appropriate answer from the options given below.

- (1) Statement I is correct but Statement II is incorrect
- (2) Statement I is incorrect but Statement II correct
- (3) Both Statement I and Statement II are correct
- (4) Both Statement I and Statement II are incorrect



explained by	following a dria sts nes most appro E only E only	opriate a	ınswer	dered as B. En D. Go from the (2) A (4) B	uclear di the part doplasm	of endo nic Retic plex given b	culum	ne syste	em?				
Which of the A. Mitochond C. Chloropla E. Peroxisor Choose the 1) A, C and 3) A, D and Movement a explained by 1) Facilitate	following a dria sts nes most appro E only E only	opriate a	ınswer	dered as B. En D. Go from the (2) A (4) B	the part doplasm olgi comp options and D o	of endo nic Retic plex given b	culum	ne syste	em?				
A. Mitochond C. Chloropla E. Peroxison Choose the 1) A, C and 3) A, D and Movement a explained by 1) Facilitate	dria sts nes most appro E only E only and accuma	opriate a	ınswer	B. En D. Go from the (2) A (4) B	doplasm olgi comp options and D o	nic Retic blex given b nly	culum	ne syste	em?				
C. Chloropla E. Peroxisor Choose the 1) A, C and 3) A, D and Movement a explained by 1) Facilitate	sts nes most appro E only E only and accume d diffusion	ulation (		D. Go from the (2) A (4) B	olgi compositions options	olex given b							
E. Peroxison Choose the control 1) A, C and 3) A, D and Movement a explained by 1) Facilitate	nes most appro E only E only and accume d diffusion	ulation (		from the (2) A (4) B	options and D o	given b nly	elow:						
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3) A, D and Movement a explained by 1) Facilitate	E only and accuming		of ions	(4) B		•							
Movement a explained by	and accum		of ions	, ,	and D o	nly							
explained by 1) Facilitate	, d diffusion		of ions										
•				across a	a memb	rane ag	ainst the	ir conce	entration (	gradient can be			
3) Active tra	nsport	(1) Facilitated diffusion			assive tr	ansport							
				(4) O	smosis								
tochondria a	and chlorop	olast are	:										
semi-auton	omous org	anelles											
formed by achinery.	division o	of pre-ex	xisting	organell	es and	they co	ntain DN	IA but	lack prote	ein synthesizing			
nich one of t	he followin	g option	ns is co	rect?									
(1) Both (a) and (b) are false.				(2) Bo	oth (a) a	nd (b) a	re correc	t.					
(3) (b) is true but (a) is false.				(4) (a	) is true	but (b) i	s false.						
nich of the fo	ollowing is	true for	nucleol	us?									
Larger nuc	•												
It is a site for	•			_	<b>3.</b>								
(3) It takes part in spindle formation.													
It takes par	(4) It is a membrane-bound structure.												
•	f "Omnis ce	ellula-e	cellula"	regard c	ell divisi	on was	first prop	osed by	':				
•				(2) R	udolf Vir	chow							
It is a mem				(4) Sc	chleiden								
It is a mem e concept o Aristotle	Schwann						Answer key						
It is a mem e concept o Aristotle	Schwann			4	(3)	5.	(2)	6.	(1)				
I	•		Aristotle Fheodore Schwann	Γheodore Schwann	Theodore Schwann (4) So	Theodore Schwann (4) Schleiden  Answer key							

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