https://selldocx.com/products/test-bank-anatomy-and-physiology-the-unity-of-form-and-function-9e-saladin

Studen	Student name:							
		E - Write 'T' if the statement is true and 'F' nt is false.						
1)	_	g for swollen lymph nodes is an example of						
auscult	ation.							
	o true							
	0	false						
2) imagin		n see through bones with magnetic resonance).						
	0	true						
	0	false						
		ogy is the study of structures that can be out a magnifying lens.						
	o	true						
	0	false						
4)	Cells w	vere first named by microscopist Robert Hooke.						
	0	true						
	0	false						
5) effects		ctions of the body can be interpreted as the lar activity.						
	0	true						
	0	false						

Version 1

7)	An in	adividual scientific fact has more information	than a theory.
	0	true	
	0	false	
6)	Evol	utionary (Darwinian) modiaing traces some of our	
8) diseas		utionary (Darwinian) medicine traces some of our ur evolutionary past.	
	0	true	
	0	false	
9) meani		erms <i>development</i> and <i>evolution</i> have the same physiology.	
	o	true	
	0	false	
10)	Orgai	ns are made of tissues.	
	o	true	
	0	false	
11) mitoc		plecule of water is more complex than a on (organelle).	
	o	true	
	0	false	
12) charac		eostasis and occupying space are both unique es of living things.	
	0	true	
	0	false	

13)	Negative feedb	back is a self-amplifying chain of events	that tends to produce rapid
,		1 3 8	1 1

- o true
- ⊚ false

14) when o	hen one of the body's physiological variables gets out of						
	⊚ ⊚	true false					
15) standar			names and a English equ	-			
	© ©	true false					
16) Lateral		chrig disease is the eponym for Amyotropic sis, made famous by the "ice bucket challege."					
	00	true false					
17) do <i>not</i>		mes anatomical terms come from origins that y insight into their meaning.					
	⊚ ⊚	true false					
	mplete	CHOICE - Choose the one alternative that s the statement or answers the question. Index of normal body structures is called					
		nysiology natomy	C) D) E)	pathology microscopy biology			

19)	The	e study of how the body functions is called		
	A) B)	neuroanatomy anatomy	C) D) E)	chemistry histology physiology
20)	Fee	ling structures with your fingertips is called _, whereas tapping on the body and listening for	sounds of a	bnormalities is
	A) B) C)	palpation; auscultation auscultation; percussion percussion; auscultation	D) percussion E) palpation	palpation; percussion;
21) routine		ich of these is the best imaging technique for xamining the anatomical development of a fetus?		
	A) B)	Auscultation PET scan	C) D) E)	MRI Sonography Radiography
22) called		e study of the structure and function of cells is		
	A) B) C)	cytology gross anatomy exploratory physiology	physiology	radiology
23) level o		rastructure refers to the detailed structure to the		

	A)	molecule	C) D)	organelle tissue
	B)	cell	E)	organ
24)	The	e study of how hormones function is called		
	4.		D)	histology
	A)	neuroanatomy	E)	.1
	B) C)	neurophysiology endocrinology	pathophysi	ology
25)	The	e study of mechanism of disease is called		
	A)	neuroanatomy	D) E)	histology
	B)	neurophysiology	pathophysi	ology
	C)	endocrinology	1 1 3	2,
26) from		e terms <i>physics, physiology,</i> and <i>physician</i> come n proposed to distinguish natural	causes from	n supernatural
			C)	Schwann
	A)	Hippocrates	D)	Aristotle
	B)	Plato	E)	Avicenna
27) by dis	section	o was a physician to the Roman gladiators, learned on of animals, and saw science as a method of		
			C)	Schwann
	A)	Hippocrates	D)	Aristotle
	B)	Plato	E)	Galen

28)	Kno	ownas "the father of modern anatomy," was the first to publish accurate drawings of the			
body.					
	A) B) C)	Vesalius Maimonides Harvey	Leeuw	D) E) enho	Aristotle van oek
29) era wa		most influential medical textbook of the ancient tten by			
	A) B)	Hippocrates Aristotle		C) D) E)	Galen Vesalius Avicenna
30) consid		o established a code of ethics for physicians and is the "father of medicine"?			
	A) B)	Aristotle Hippocrates		C) D) E)	Galen Vesalius Hooke
31) develo	op gei	at is the process of using numerous observations to neral principles and predictions about a specific ed?			
	A) B) C)	Experimental design The deductive method The inductive method	testing	D) E)	A hypothesis Statistical
			32)	Mo	st people think

that ulcers are caused by

psychological stress. It was discovered that an acid-resistant antibiotic should reduce bacterium, Heliobacter pylori, lives in the lining of the ulcers. This line of stomach. If these bacteria cause ulcers, then treatment with an investigation is an example of . D) experimental A) hypothetical reasoning design hypothetico-deductive reasoning statistical C) the inductive method analysis 33) The use of controls and statistical testing are two aspects of experimental design that help to ensure D) psychosomatic effects A) an adequate sample size objective and reliable results treatment C) experimental bias groups 34) Which process submits a scientist's ideas to the critical judgment of other specialists in the field before the research is funded or published? D) Peer review E) Hypothetico-A) Adjudication B) Statistical testing deductive testing C) Falsification A new drug apparently increases short-term memory. given a same-looking pill, 35) Students were divided randomly into two groups at the but it was just sugar. The beginning of the semester. One group was given the memory sugar pill is termed a(n) pill once a day for the semester, and the other group was C) treatment pill

Version 1

A) controlled pill

B) placebo

D) variable

E) effective dose

given 8 exhibit	Two groups of people were tested to determine or garlic lowers blood cholesterol levels. One group was 300 mg of garlic powder daily for four months and sed an average 12% reduction in the blood cholesterol. The group was not given any garlic and after four	reduction in The group	raged a 3% n cholesterol. that was not arlic was the group.
	A) peer B) test	C) D) E)	treatment control double-blind
37) questic	An educated speculation or a possible answer to a on is called a(n)		
	A) scientific method B) theory	C) D) E)	law hypothesis fact
	Which of the following would contain the greatest to finformation that scientists consider to be true to the their knowledge?		
	A) A fact B) A law of nature	C) D) E)	A hypothesis An equation A theory
wind a	If a species of animal evolves over generations to large fan-blade like growth on its back to catch the nd cool its body, this would be an example of ding to		
	A) selection pressureB) adaptationC) natural selection	D)	climate

change

E) positive feedback

40) popul		at is a change in the genetic composition of a over time called?		
	A) B) C)	Mutation Natural selection Selection pressure	D) E)	Evolution Adaptation
41)	The	e constant appearance of new strains of influenza		
virus	is an	example of		
	A) B) C)	a model evolution selection pressure	D) E)	survivorship success
42)	Wh	at is the principal theory of how evolution works?		
	A) B) C)	Natural pressure Selective pressure Darwinian pressure	D) adaptation E) selection	Natural Natural
43)	Ster	reoscopic vision provides	D)	bipedalism
	A)	opposable perception	E)	opposition of
	B)	color perception	thumbs	
44) trees.	C) Mo	st primates are, meaning they live in		
			B)	bipedal
	A)	prehensile	C)	cursorial

	D)	troglodytic	E) arboreal
45) in cor		ich of the following was an adaptation thatevolved on with human upright walking?	
	A)	Hair	D) Color visionE) Spinal and
	B)	Fully opposable thumbs	pelvic anatomy
	C)	Stereoscopic vision	per re same and
46) matur		uman isborn before his/her nervous system has his is traceable to	
11100001	· · · ·		_, , , , , , , , , , , , , , , , , , ,
	A)	their inability to regulate body temperature	D) the conditions of modern civilization
	B) C)	skeletal adaptations to bipedalism the arboreal habits of early primates	E) the diet of early species of Homo
47)	Wh	at is the species of modern humans?	
			D) Neanderthal
	A)	Homo erectus	E)
	B)	Homo sapiens	Australopithecus
	C)	Homo habilis	
48)		is composed of two or more tissues	
	whe	reas are microscopic structures in a	
cell.			
			D) organ;
	A)	organ system; organs	molecules
	B)		E)
	C)	organ; organelles	organelle;molecules

49)	Wh	ich of the following lists levels of human structure		
from t	he i	most complex to the simplest?		
	A) B) C) D)	Organelle, cell, tissue, organ, organ system Organ system, organ, cell, tissue, organelle Organ system, organelle, tissue, cell, organ Organ system, organ, tissue, cell, organelle	E) system, tiss organelle	Organ, organ sue, cell,
50) structi		from the simplest to the most complex?		
stoma	ch, a	Mitochondrion, connective tissue, protein, dipocyte (fat cell)	stomach, co	Protein, onnective tissue
conne	ctive	Protein, mitochondrion, adipocyte (fat cell), tissue, stomach Mitochondrion, connective tissue, stomach,	adipocyte (
protei	-	ipocyte (fat cell) Protein, adipocyte (fat cell), stomach, connective		
51) interce		n) is a group of similar cells and their ar materials in a discrete region of an organ	performing function.	a specific
	A) B)	macromolecule organ system	C) D) E)	organelle organism tissue
52)	All	of the following are human organ systems except		
	A) B)	skeletal endocrine	C) D) E)	epidermal reproductive lymphatic

Version 1

53)	All	of the following are organs except			
	A) B) C)	teeth the skin nails	D Ej system	_	the liver the digestive
54)	Tak	ing apart a clock to see how it works is similar to _thinking about human physiology.			
	A) B)	comparative evolutionary	C D E)	holistic inductive reductionist
55) human		ich of the following approaches understanding the y by studying the interactions of its parts?			
	A) B)	Naturalism Reductionism	C D E)	Vitalism Holism Rationalism
	sm ca	at is the view that not everything about an an be understood or predicted from the knowledge onents; that is, the whole is greater than the sum of			
	A) B)	Naturalism Reductionism	C D E)	Holism Materialism Science
57) but son		fact that most of us have five lumbar vertebrae, eople have six and some have four, is an example	of what ty		e of variation nisms?
	A)	Cellular	B C	_	Holistic Physiological

	D)	Anatomical	E)	Reductionist
58) version		y does a surgeon need to be familiar with different anatomy?		
VCISIO	115 01	anatomy:		
			D)	Anatomical
	A)	Cellular adaptation Holistic medicine	variation	Evalutionomy
	B) C)	Physiological variation	E) adaptation	Evolutionary
	C)	Thysiological variation	uduptution	
59) alive?	Wh	at are the simplest body structures considered		
			C)	Cells
	A)	Organ systems	D)	Organelles
	B)	Organs	E)	Molecules
60)	Met	tabolism is the sum of all change.		
			D)	internal
	A)	external physical	physical	
	B)	external chemical	E)	internal
	C)	internal chemical	integrative	
61)		change in size of the bone marrow (where blood		plood cells is an
cells a	re pr	oduced) as an infant matures is an example of _, whereas the transformation of blood stem cells	example of	` <u> </u>
			D)	
	A)	development; differentiation	· ·	ion; growth
	B)	growth; development	E)	differentiation;
	C)	growth; differentiation	developme	nt

62) female of?		emoglobin level of 12g/dL is normal for an adult low for an adult male. What is this is an example			
	A) B) C)	Cellular adaptation Holistic medicine Physiological variation	variati differe	E)	Anatomical Structural
63) result i		ch of the following is <i>not</i> an aspectthat could ysiological variation?			
	A) B) C) D)	Age Gender Environment Physical activity	-		These are all can cause al variation.
64) our boo	dy, y	live in an ever-changing environment outside of et our internal conditions remain relatively stable.			
	A) B)	homeostasis metastasis		C) D) E)	responsiveness adaptation evolution
65) loop?	Wha	at are the three common components of a feedback	00		
	A)	Stimulus, integrating (control) center, and organ	effecto	or	
system	B)	Stimulus, receptor, and integrating (control)			
center	C)	Receptor, integrating (control) center, and			

- D) Receptor, organ, and organ system
- E) Receptor, integrating (control) center, and organ system

Version 1

66) During exercise, one generates excess heat and the body temperature rises. As a response, blood vessels dilate in			heat is lost. This is an example of		
the sk	in, w	arm blood flows closer to the body surface, and			
	A) B) C)	negative feedback positive feedback dynamic equilibrium	D) integration control E) set point adjustment		
travels	ates	ood glucose concentration rises after a meal and the pancreas to release the hormone insulin. Insulin he blood and stimulates the uptake ofglucose by from the bloodstream, thusreducing blood glucose	concentration. This is an example of		
	A) B) C)	negative feedback positive feedback dynamic equilibrium	D) integration control E) set point adjustment		
68)	Neg	gative feedback loops are			
	A) B) C)	homeostatic mechanisms not homeostatic mechanisms associated with "vicious circles"	D) self- amplifying cycles E) usually harmful		
hormo	s aga	ten a woman is giving birth, the head of the baby inst her cervix and stimulates therelease of the xytocin. Oxytocin travels in the blood and the uterus to contract. Labor contractions become	more and more intense until the baby is expelled. This is an example of		
	A) B)	negative feedback positive feedback	C) dynamic equilibrium D) integration		

Version 1

control	E) set point adjustment		
70) disease	Which of the following is <i>most likely</i> to cause s?		
	A) Positive feedbackB) Negative feedback	C) D) E)	Homeostasis Equilibrium Irritability
	A physiological is a difference in eal concentration, electrical charge, physical pressure, ature, or other variables between one point and r.		
	A) gradient B) barrier	C) D) E)	membrane imbalance feedback loop
	Chemicals in a solution can move down a tration gradient. This means the chemical will move area of concentration to the area	ofconcentration	on.
	A) higher; lowerB) lower; higher	C) D) E)	equal; equal lower; lower higher; higher
73) physio	Which of the following is <i>not</i> an example of a logical gradient?		
	A) Tissue	C) D)	Concentration Pressure

E) Electrical

B) Thermal

74)	Wh	at type of gradient causes the movement of ions			
due to	both	charge and concentration differences?			
	A) B) C)	Electrochemical gradient Thermal gradient Concentration gradient	gradie gradie	E)	Pressure Osmotic
75) langua		dern anatomical language is based on what two because individuals speaking these languages made	most c		early discoveries?
				D)	Roman and
	A)	Greek and Latin	Latin		
	B)	English and Japanese		E)	Latin and
	C)	English and Spanish	Chines	se	
76) of	The	e term <i>fallopian</i> tube (uterine tube) is an example			
			structu	ıre	
	A)	a Latin root used in medical terminology		D)	an eponym
	B)	the use of prefixes to name an anatomical		E)	an acronym
struct					
	C)	the use of suffixes to name an anatomical			
77)		e lexicon of standard international anatomical terms			
				E)	formed from
	A)	called Terminologia Anatomica (TA)	thousa	nds o	of French word
	B)	called Nomina Anatomica (NA)	roots		
	C)	formed from thousands of English word roots			
	D)	formed from thousands of Italian word roots			

78)	The prefix hypo- means	, whereas	hyper- means
	A) front; backB) right; left		C) inside; outsideD) clear; darkE) below; above
79)	What does "hypercalcemia" mean	n?	
	A) Elevated calcium levelsB) Lowered calcium levelsC) Elevated sodium levels		D) Lowered sodium levels E) Elevated potassium levels
80) scan is	DNA is an example of an s an example of an	, whereas PET	
	A) abbreviation; acronymB) acronym; abbreviationC) eponym; acronym		D) acronym; eponym E) eponym; abbreviation
81) the plu	The plural of axilla (armpit) isural of appendix is	, whereas	
	A) axillae; appendicesB) axillides; appendagesC) axillies; appendi		D) axilli; appendices E) axilles; appendices
82) plural	The plural of villus (hair) is of diagnosis is	, whereas the	
	A) villuses; diagnosises		B) villi; diagnoses

	C)	villus; diagnosis	E)	villuses;
	D)	villi; diagnosis	diagnosis	
83)	Wh	y is precise spelling important in anatomy?		
30)		y to process opening imperious in suscessy.	0	00
	A)	It is important to practice language skills.		fferent structures It is easier to
	B)	There are many different ways to spell certain	· · · · · · · · · · · · · · · · · · ·	acronyms when
terms.	,	J J I	spelled co	•
	C)	Eponyms are difficult to memorize.	•	·
	D)	There are many similar terms in anatomy that		
84)	The	ileum is, whereasthe ilium is		
		·		
			D)	a muscle; a
	A)	part of the hip bone; part of the small intestine	bone	
	B)	part of the small intestine; part of the hip bone	E)	a bone; a
	C)	a bone in the wrist; a muscle of the back	muscle	

85) What is the name of the highlighted organ?



- intestine
 - E) Spleen

- A) Small intestine
- B) Stomach
- C) Liver

86) What is the name of the highlighted organ?



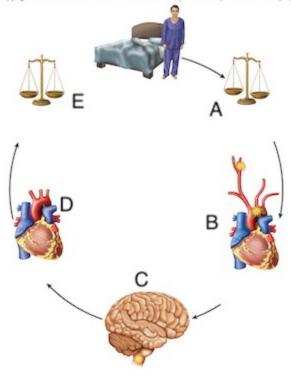
- A) Adrenal gland
- B) Spleen

- C) Liver
- D) Kidney
- E) Pancreas

SECTION BREAK. Answer all the part questions.

87)

Copyright © McGraw-Hill Education. Permission required for reproduction or display.



- **87.1)** Which letter represents the *receptor* of this feedback loop?
 - A) A
 - B) B

- C) CD) D
- E) E

- **87.2)** Which letter represents the *effector* of this feedback loop?
 - A) A
 - B) B

- C) C
- D) D
- E) E
- **87.3)** Where in this feedback loop is homeostasis present?

Version 1

C) C

D) D

E) E

87.4) This feedback loop is an example of which of the following?

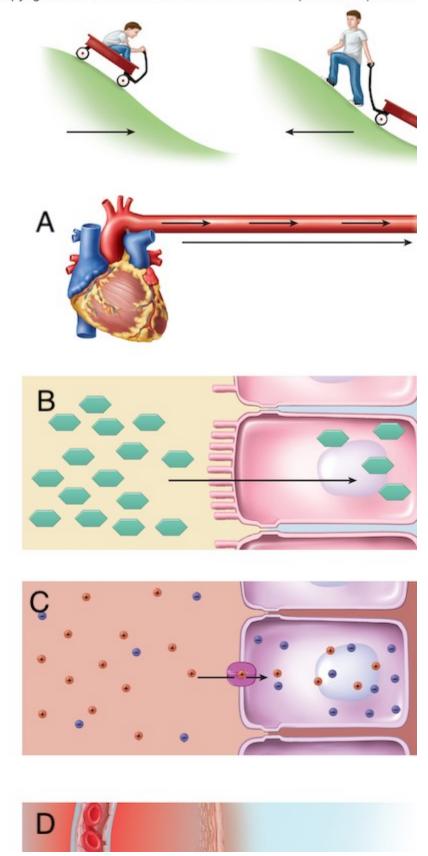
- A) Negative feedback
- B) Positive feedback

A) AB) B

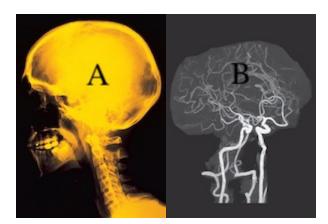
C) Dynamic equilibrium

- D) Thermal gradient
- E) Natural selection

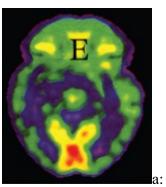
Copyright @ McGraw-Hill Education. Permission required for reproductive



88.1) Which letter represents a <i>pressure</i> gradient?	
A) A B) B C) C	D) D E) All of these represent a pressure gradient.
88.2) Which letter represents a <i>thermal</i> gradient?	
A) A B) B C) C	D) D E) All of these represent a thermal gradient.
88.3) Glucose would move down which of these gradients?	
A) A B) B C) C	D) D E) Glucose can move via all of these mechanisms.
88.4) Ions would move down which of these gradients?	
A) A B) B C) C	D) D E) Ions can move via all of these mechanisms.







U.H.B. Trust/The Image
Bank/Getty Images; b:
pang_oasis/Shutterstock; c:
Miriam Maslo/Science
Source; d: UHB
Trust/Getty Images; e:
ISM/Sovereign/Medical
Images

89.1) Which image is produced using an X-ray?

A) A

89)

B) B

- C) C
- D) DE) E

- **89.2)** Which image is produced using Computed Tomography?
 - A) A
 - B) B

- C) C
- D) DE) E

89.3) Which image is produced using Magnetic Resonance Imaging?

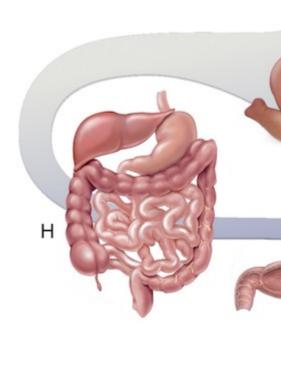
		C)	C
A)	A	D)	D
B)	В	E)	E

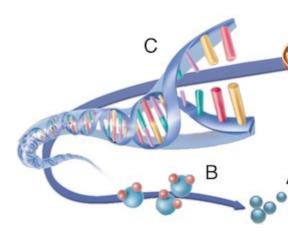
89.4) Which imaging technique would be used to determine the location of a blocked artery?

C) C
A) A
B) B
E) E

89.5) Which imaging technique would be used to determine the metabolically active areas of the brain?

C) C
A) A
B) B
E) E





- **90.1)** What level of structural hierarchy is represented by the letter E?
 - A) Organelle
 - B) Cell

- C) Tissue
- D) Organ
- E) Molecule

90.2) What level of structural hierarchy is represented by the letter H?	
A) Organ systemB) Cell	C) TissueD) OrganE) Molecule
90.3) What is the study of the structure at E called?	
A) CytologyB) HistologyC) Physiology	D) Organismal biology E) Pathology
90.4) What is the study of the structure at F called?	
A) CytologyB) HistologyC) Physiology	D) OrganismalbiologyE) Pathology
90.5) The integumentary system is an example of which level of structural hierarchy?	
A) A B) C	C) E D) H E) I
90.6) A lymph node is an example of which level of structural hierarchy?	
A) G B) C	C) E

- D) H
- E) I

90.7) A ribosome is an example of which level of structural hierarchy?

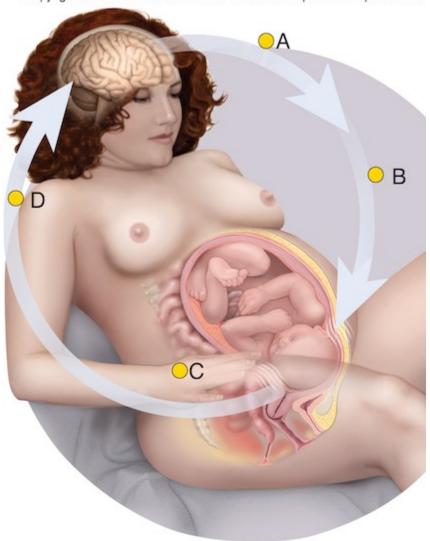
C) E

D) H

E) D

- A) A
- B) C

91)
Copyright © McGraw-Hill Education. Permission required for reproduction



91.1) This is an example of which of the following?

A)	Positive feedback	E)	Natural	
B)	Negative feedback	selection		
C)	Dynamic equilibrium			
91.2)	In this feedback loop, what is the receptor?			
		C)	Uterus	
A)	Brain	D)	Ovaries	
B)	Oxytocin	E)	Adrenal gland	
91.3)	In this feedback loop, what is the effector?			
,	1,	~ \		
		D)	Uterine	
A)	Cervix	musc	eles	
B)	Brain	E)	Ovaries	
C)	Oxytocin			

D) Adaptation

Answer Key

Anatomy and Physiology

Test name: Chapter 01: Major Themes of

- 1) FALSE
- 2) TRUE
- 3) FALSE
- 4) TRUE
- 5) TRUE
- 6) TRUE
- 7) FALSE
- 8) TRUE
- 9) FALSE
- 10) TRUE
- 11) FALSE
- 12) FALSE
- 13) FALSE
- 14) FALSE
- **15) TRUE**
- 16) TRUE
- 17) TRUE
- 18) B

- 19) E
- 20) D
- 21) D
- 22) A
- 23) A
- 24) C
- 25) E
- 26) D
- 27) E
- 28) A
- 29) C
- 30) B
- 31) C
- 32) B
- 33) B
- 34) D
- 35) B
- 36) D
- 37) D
- 38) E
- 39) A

- 40) D
- 41) B
- 42) E
- 43) C
- 44) E
- 45) E
- 46) B
- 47) B
- 48) C
- 49) D
- 50) B
- 51) E
- 52) C
- 53) E
- 54) E
- 55) B
- 56) C
- 57) D
- 58) D
- 59) C
- 60) C

Version 1

- 61) C
- 62) C
- 63) E
- 64) A
- 65) C
- 66) A
- 67) A
- 68) A
- 69) B
- 70) A
- 71) A
- 72) A
- 73) A
- 74) A
- 75) A
- 76) D
- 77) A
- 78) E
- 79) A
- 80) A
- 81) A

- 82) B
- 83) D
- 84) B
- 85) C
- 86) D
- 87) Section Break
 - 87.1) B
 - 87.2) D
 - 87.3) E
 - 87.4) A
- 88) Section Break
 - 88.1) A
 - 88.2) D
 - 88.3) B
 - 88.4) C
- 89) Section Break
 - 89.1) A
 - 89.2) C
 - 89.3) D
 - 89.4) B
 - 89.5) E

90) Section Break

- 90.1) B
- 90.2) A
- 90.3) A
- 90.4) B
- 90.5) D
- 90.6) A
- 90.7) E

91) Section Break

- 91.1) A
- 91.2) A
- 91.3) D

Version 1

43