TEST - 35 (IPM 2022)

84.	84. Consider the following about a Gyrocompass.				
	1. It is a non-magnetic compass that finds true north by using an electrically powered fastspinning wheel.				
	2. Large ships typically rely on a gyrocompass, rather than the magnetic compass, since a gyrocompass is				
	not affected by ferromagnetic metal in a ship's hull.				
	Which of the above is/ar		C P 4 1 12	D.M	
0.5	A. 1 only	B. 2 only	C. Both 1 and 2	D. None	
85.	85. A barrier to trade is a government-imposed restraint on the flow of international goods or services.				
	Which of the following constitute such barriers of trade?				
	1. Import quotas		t investment	3. Tax on imports	
	Select the correct answer	_	C 1 12 1-	D 1 2 12	
07	A. 1 only	B. 1 and 2 only	•	D. 1, 2 and 3	
86. Sound that is perceptible by human beings has frequencies ranging from about 20 Hz to 20,000 Hz.					
	In atmospheric air at standard temperature and pressure, the wavelengths of sound wave corresponding to these frequencies will be				
	A. 17 centimetres to 17 i	=	B. 17 metres to 17 millimetre	20	
	C. 17 kms to 17 metres	iiiiiiiieues	D. 17 millimetres to 17 millimetres D. 17 millimetres to 17 kms	28	
97	7. Consider the following about the Supersonic Missile Assisted Torpedo (SMART) system rec				
07.	tested by the DRDO.				
	1. It is designed for enhancing anti-submarine warfare capability beyond the conventional range of				
	torpedos.				
	 It can presently only be launched from air-based platforms. 				
	Which of the above is/are correct?				
	A. 1 only	B. 2 only	C. Both 1 and 2	D. Neither 1 nor 2	
88	-	•		D. Ivertiner 1 nor 2	
00.	8. Consider the following about the Imaging X-Ray Polarimetry Explorer.1. It maps the magnetic fields of neutron stars and black holes, among other phenomena.				
	2. It is the first satellite mission that is dedicated to the measure the polarization of X – Rays from				
	different cosmic sources.				
	3. It seeks to explore general relativistic and quantum effects in extreme environments.				
	Which of the above is/are correct?				
	A. 1 only	B. 2 and 3 only	C. 1. 2 and 3	D. 1 and 3 only	
89.	Consider the following	•	- · · · · · · ·	, , , , , , ,	
	1. Neutron stars are formed when a massive star runs out of fuel and collapses.				
	2. Pulsars are stars that do not rotate and yet manage to emit electromagnetic radiation from their				
	magnetic poles.				
	3. In a typical neutron star, the magnetic field is trillions of times that of the Earth's magnetic field, but in				
	a magnetar, the magnetic field is another 1000 times stronger.				
	Which of the above is/ar				
	A. 1 only	B. 2 only	C. 1, 2 and 3	D. 1 and 3 only	
90.	Arrange the following of	cities from west to east as	you would see them in a map) :	
	1. Phuket	2. Singapore	3. Hong Kong	4. Shanghai	
	Select the correct answer	r using the codes below.		-	
	A. 1234	B. 1243	C. 3124	D. 2134	
91.	1. Consider the following statements.				
	1. The amount of energy a photon has can cause it to behave more like a wave, or more like a particle.				
	2. The only substantial difference between radio waves, visible light and gamma rays is the energy of the				
	photons.				
	Select the correct answer	r using the codes below.			
	A. 1 only	B. 2 only	C. Both 1 and 2	D. Neither 1 nor 2	
92. The objectives of the Asia Cooperation Dialogue (ACD), an inter-governmental organization,					
	includes				
	1. expand the trade and financial market within Asia				
	2. increase the bargaining power of Asian countries in the international market				
	3. developing a knowledge-based society within Asia				
	Select the correct answer	_			
	A. 1 only	B. 2 and 3 only	C. 1 and 2 only	D. 1, 2 and 3	