FED	AL PUBLIC SERVICE COMMISSION
SPEC	COMPETITIVE EXAMINATION
TO	

FOLLOW FOR THE FEDERAL GOVERNMENT

GENERAL KNOWLEDGE-I (GENERAL SCIENCE & ABILITY)

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MALE KNOWLEDGE-I (GENERAL SCIENCE & ABILITY)									
	TIME ALLOWED: THREE HOURS	ART-1 MCQs) MAXIMUM MARKS: 20							
	PART-I (MCO5) : MANIMUM 30 MINUTES (P.	ARTAD MANDALANARKS: 80							
	NOTE: (i) First attempt PART-1 (MCOs) on separate	OND Answer Sheet which shall be taken back							
	NOTE: (i) First attempt PART-1 (MCQs) on separate OMR Answer Sheet which shall be taken back after 30 minutes along with the Question Paper.								
	(ii) Overwriting/cutting of the options/answer	re will out he alien analit							
	(ii) Overwriting/cutting of the options/answers will not be given credit. (iii) There is no negative marking. All MCQs must be attempted.								
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	PART-1 (MCQs)(CO)	MPULSORY)							
Q.1.	(i) Select the best option/answer and fill in the appropri	iate Box 🗐 on the OMR Answer Sheet, (20x1=20)							
	(ii) Answers given anywhere else, other than OMR An	aswer Sheet, will not be considered.							
1.	Apparently, the Solar System is maximum and								
1.	Apparently, the Solar System is moving around the galaxy with a speed of: (A) 50 km/s (B) 200 km/s (C) 500 km/s								
2 .		500 km/s (D) Not moving at all							
	The image formation in the James Webb Space Te (A) Gamma-Rays (B) X-Rays (C)								
3.		Visible light (D) Infra-Red Rays							
	In general, the Cancer in a human body is caused I (A) Virus (B) RNA								
4.	(A) Virus (B) RNA In a year, light travels a distance of:	(C) DNA (D) All of these							
	(A) 9.4×10^9 km (B) 9.4×10^{12} km								
5.		(C) 9.4×10^{15} km (D) None of these							
э.	The location below the Earth's surface where the H	Earthquake starts is called:							
6	(A) Epicenter (B) Hypocenter	(C) Tectonic center (D) All of these							
6.	During the combustion of gasoline in a vehicle eng	gine, the energy used is:							
-	(A) Chemical (B) Mechanical	(C) Electrical (D) All of these							
7.	A Bar is System International unit to measure:								
	(A) Temperature (B) Energy	(C) Pressure (D) Force							
8.	One may define Renewable Energy as:	www.CSSExamDesk.com							
	(A) Energy derived from non-traditional sources								
	(B) Energy derived from sources that do not use up na	atural resources or harm the environment							
	(C) Energy fueled into ways that do not use up natural	il resources or harm the environment							
	(D) All of these								
9.	The sky looks blue due to:	N							
	(A) The scattering of sunlight by the Atmosphere.								
	(C) Absorption of blue light by the atmosphere	(D) Presence of CO ₂ in the atmosphere.							
10.									
	(A) Aerosol (B) Ozone	(C) Acid rain (D) All of these							
11.									
		Artificial Intelligence							
		Advanced Intelligence							
12.	A 'Cyclone' is generated due to:								
	(A) High Temperature (B) High Humidity	(C) Low Pressure (D) All of these							
13.	그는 것 같은 것 같								
	neutrons must haveto penetrate in the								
• •	(A) Very high velocity (B) Very low velocity	(C) Intermediate velocity (D) All of these							
14.									
	(A) Protein (B) Bacteria	(C) Virus (D) All of these							
15.	0								
16	(A) Protein ⁻ (B) Bacteria	(C) Virus (D) All of these							
16.	In the covalent bonding, electron of two atoms:	m. C. C							
	(A) Share with each other (B)	Transfer from one atom to another							
		None of these							
17.									
	(A) North to South (B) South to North	(C) East to West (D) West to East							
18.		CHL (D) CH							
	(A) CH_8 (B) CH_6	$(C) CH_4 \qquad (D) CH_2$							
19.	The Artificial Intelligence term was invented by:								
	(A) Geoffrey Hinton (B) Albert Einstein	(C) Alan M. Turing (D) John McCarthy							
20.	Disease-causing microorganisms are referred to as								
	(A) Pathogens (B) Coliform bacteria	(C) Viruses (D) All of these							
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a law later of a second	OWED: THREE HOURS CQS): MAXIMUM 30 MINUTES	PART-1 (MCQS) PART-U	MAXIMUM MARKS = 20 MAXIMUM MARKS = 80	
NOTE: (i) (i0 (iii) (iv) (v) (vi) (vii)	Part-II is to be attempted on the separate Ar Attempt ONLY FOUR questions from PA ALL questions carry EQUAL marks All the parts (if any) of each Question mark Write Q. No. in the Answer Book is secon No Page/Space be left blank between the erosed. Extra attempt of any question or any part of Use of Calculator is not allowed.	ART-II by selecting TWO t be attempted at one place dance with Q. No. in the O he answers. All the binn	s instand of at different pla) Paper h pages of Answer Book	COI.
	(SFC	$\Gamma(ON - \Delta)$		
Q. 2. (a)	The age of the Universe is estimated to be	13.8 billion years. How w	in it entimated?	(5)
(b)	Explain the phenomenon of Solar Eclipse.			(5)
(c) (d)	Describe James Webb Space Telescopt importance.	e, its principle of oper	ation, construction and	(5)
(u)	Explain the Global Positioning System and	its applications		(5) (20)
Q. 3. (a)	What is a 'Weather Cycle'? Describe its ca	uses and parts.		(5)
(b)	What is 'Air Pollution'? Discuss its cause with the highest and lowest percentage of i		ods. Name the countries	(5)
(c)	Write a comprehensive note on 'Pole Reve	usal' of Earth		(5)
(d)	Describe different Ocean Currents, their ca	uses and effects on Clima	te.	(5) (20)
Q. 4. (a)	Write a note on data storage in a 'USB' H	ow it is different from the	Hard disk?	(5)
(b)	Describe how a 'Solar Cell' converts operation and applications.	light into electricity. D	escribe its construction,	(5)
(c)	Write a comprehensive note on 'Food of	cycle in our body'.		(5)
(d)	What is 'Artificial Intelligence'? How it is	helpful for humanity?		(5) (20)
). 5. (a)	Explain the concept of diabetes, its cau	ses and classifications i	n the human body.	(5)
(b)	Describe different sources of 'Renewal environment?	ble Energy'. How is it h	elpful for the	(5)
(c)	Define 'Enzymes'. Describe it types an	nd functions within orga	misms.	(5)
(d)	Describe the 'Cell Structure'. Elaborate	e 7 main functions of a	cell in human beings.	(5) (20

(SECTION - B)

- Q. 6. (a) Find the area of a rectangular field whose length is 20 m and the length of its diagonal is (5) 25m.
 - (b) A Crow travels 5 km due South, 3 km due West, 4 km due North and 2 km toward South- (5) East. How far is crow from its starting position?
 - (c) Three persons, Zain, Ali and Umar started a bussiness with Rs. 150,000, Rs. 190,000 and Rs. (5) 120,000 respectivily. Zain manages the bussiness and receives allowance of Rs. 160,000 for this management. After 5 months Ali withdraws Rs. 90,000 and bussiness is closed after 9 months. What did each receive in the profit of Rs. 580,000.
 - (d) Mst. Razia Begum died leaving behind her property of Rs. 802,500 which was to be (5) (20) distributed among her husband, her mother and two daughters. The husband got 1/4, mother got 1/6 and remaining for 2 daughters. Rs. 7500 was spent on her burial. Find the share of each one.

GENERAL KNOWLEDGE-I (GENERAL SCIENCE & ABILITY)

Q. 7 (a)	In a certain country, 7% of the total workforce is employed in tourism. 24.4 million overseas visitors came to this country in 2014. 2014 was a record year for inbound tourism. This level of visitors was 3% higher than in 2013. It eclipsed the previous record of 24 million visitors recorded in 2008. In 2014 the average overseas visitor spent US\$ 110 but average daily spend per visitor in 2013 was US\$ 60 while in 2014, it was US\$ 76.20.	(5)
	What percentage increase in daily average amount spent occurred between 2013 and 2014?	
(b)	How many visitors came to this country in 2013?	(5)
(c)	What was the approximate percentage increase on the previous record number of visitors?	(5)
(d)	If there are 30 m people employed in this country's workforce, how many work in the tourism sector?	(5) (20)
Q. 8. (a)	The sum of two numbers is 48. If me smaller number is one-fifth of the larger number, find the two numbers.	(5)
(b)	Find out the correct word from the jumbled spellings given below. IUPNRT, AERPSTEL, LLARIVITOUE, DCAAOOV, ANAISSSOITANS	(5)
(c)	A sphere of diameter 26 cm is half filled with honey. The honey is poured into a cylindrical beaker of diameter 16 cm. Find the depth of honey in the beaker.	(5)
(d)	The breadth, length, and height of a room is 14 feet, 20 feet and 10 feet respectively. There is also a door of room having height 8 feet and with 5 feet. Two windows of 4 feet by 5 feet are also there. The cost of paint and labour inside room is Rs. 100 per square foot. How much will it cost to paint the inner walls and roof of the room?	
