



Institute of Health Management Research

MBA Hospital and Health Management

Batch-27th (2022-2024) Health Management

Second Year, Term 4 End Term Examination, September 2023

HEM-701 Applied Demography and Population Dynamics

Time - 3 Hours

Maximum Marks: 50 (Minimum Marks: 20)

Instructions to students:

- This question paper contains 3 printed pages.
- Don't write anything on the Question Paper except your Enrolment No.

Section A

3 X 6 = 18

Attempt Any Three Questions

1. Briefly Discuss the Interrelationship between Population and Development
2. Discuss about trend, situation, causes and consequences of Juvenile sex ratio in India.
3. Calculate IMR for the year 2014 from the Table given below.

Year	Live Births	Infant Deaths	
		Same Year	Previous Year
2012	1000	44	47
2013	1000	42	44
2014	1000	40	42

4. Briefly discuss about Easterlin's Framework
5. What are the various modes of transmission of HIV/AIDS? Name the High-risk population group for HIV? Write about the types of MSM. Also describe the various types of BAR in Mumbai.

Section B (Compulsory)**2 X 16 = 32**

1. From the Table below show the rank of the blocks for 16 Dash Board Indicators within a District according to RMNCH+A programme

		X	Y	Z
Pregnancy Care				
1	ANC Registration in 1st Trimester	66.3	64.8	47.1
2	Pregnant women received 3 ANC check-ups	82.5	90.2	83.5
3	Pregnant women given 100 IFA	95.3	99	99
4	Pregnant women with Obstetric Complications and attended	0	2.8	0.1
5	Pregnant women receiving TT2 or Booster	99	99.5	102.8
Child Birth				
6	SBA attended home deliveries	42.9	25.8	53.6
7	Institutional Deliveries	44	48.3	44.3
8	C- Section Deliveries	0	0.9	0
Postnatal Maternal and Newborn Care				
9	Newborns breast fed within 1 hour	86.2	93.3	95.8
10	Women discharged in more than 48 hours of delivery in public institutions	75.8	85.6	91.1
11	Newborns weighing less than 2.5 kg	67.8	65.6	54.5
12	Newborns visited within 24hrs of home delivery	49.2	60.2	65.3
13	Infants 9 to 11 months old who received Measles vaccine	153.1	154.3	168.9
Reproductive Age-group				
14	Post-partum sterilization	10.8	70.3	49.7
15	Male sterilization	0.2	0.9	0.5
16	IUD insertions in public plus private accredited institution	53.3	59.4	58.9

Enrolment No.:.....

2. Estimate and fill the blanks for the table given below:

Mid-Year Projected population 2019-20	CBR (Total, AHS13)	Annual Pregnanc y	10%wastag e	Estimated Pregnanc y	3% still birth	Estimat ed Deliver y	AN C regi stra tion	% of ANC registra tion against estimat ed pregna ncy	Instit ution al Deliv ery	% institution al delivery against estimated delivery	Blocks	Sum of PW register ed for ANC (N)	Sum of Institutional Deliveries conducted (Incl C- Sections) (N)
271786	25.5										Banikod er	7474	3504
240635	25.5										Banki	9220	2036
174672	25.5										Baraban ki DHQ	3530	6267

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