



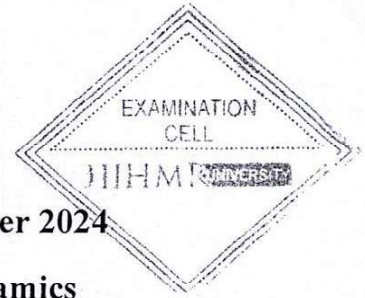
Institute of Health Management Research

MBA Hospital and Health Management

Batch-28th (2023-2025) Health Management

Second Year, Term 4 End Term Examination, November 2024

HEM-701 Applied Demography and Population Dynamics



Time - 3 Hour

Maximum Marks: 50 (Minimum Marks: 20)

Instructions to students:

- This question paper contains 02 printed pages.
- Don't write anything on the Question Paper except writing your Enrolment No.

Part A

(Maximum Marks: 5)

Q1. Answer the following in one word / line (1 mark each):

- What are the checks mentioned by Malthus
- What is the IMR of Madhya Pradesh?
- For exact measure of IMR which method we have to use?
- What is the MMR of Kerala?
- Who has given the theory of change and Response?

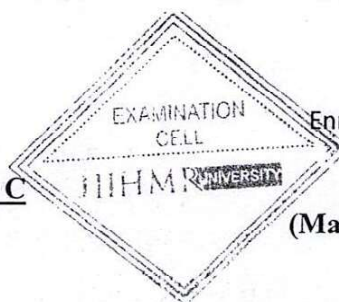
Part B

(Maximum Marks: 15)

Answer the following questions (7.5 mark each):

- Q2. 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.
- Q3. Briefly discuss Easterlin's Framework.

Part C



Enrolment No.:

(Maximum Marks: 30)

Q4. Calculate the figures for the blanks for Table 1:

(15 marks)

Table 1:

Mid-Year Projected population 2019-20	CBR (Total, AHS 13)	Annual Pregnancy	10% wastage	Estimated Pregnancy	3% still birth	Estimated Delivery	ANC registration	% of ANC registration against estimated pregnancy	Institutional Delivery	% institutional delivery against estimated delivery
271786	25.5						7474		3504	
240635	25.5						9220		2036	
174672	25.5						3530		6267	

Q5. Table 2 show the rank of the blocks for 16 Dashboard Indicators within a District according to RMNCH+A program.

(15 marks)

Table 2:

		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