

Set No. : 1

Question Booklet No.

RET / 17 / TEST-B

658 Community Medicine

(To be filled up by the candidate by blue/black ball point pen)

Roll No.

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Roll No. (Write the digits in words)

Serial No. of OMR Answer Sheet

Day and Date

(Signature of Invigilator)

INSTRUCTIONS TO CANDIDATES

(Use only blue/black ball-point pen in the space above and on both sides of the Answer Sheet)

1. Within 30 minutes of the issue of the Question Booklet, Please ensure that you have got the correct booklet and it contains all the pages in correct sequence and no page/question is missing. In case of faulty Question Booklet, Bring it to the notice of the Superintendent/Invigilators immediately to obtain a fresh Question Booklet.
2. Do not bring any loose paper, written or blank, inside the Examination Hall *except the Admit Card without its envelope.*
3. *A separate Answer Sheet is given. It should not be folded or mutilated. A second Answer Sheet shall not be provided.*
4. Write your Roll Number and Serial Number of the Answer Sheet by pen in the space provided above.
5. *On the front page of the Answer Sheet, write by pen your Roll Number in the space provided at the top, and by darkening the circles at the bottom. Also, wherever applicable, write the Question Booklet Number and the Set Number in appropriate places.*
6. *No overwriting is allowed in the entries of Roll No., Question Booklet No. and Set No. (if any) on OMR sheet and Roll No. and OMR sheet no. on the Question Booklet.*
7. *Any change in the aforesaid entries is to be verified by the invigilator, otherwise it will be taken as unfair means.*
8. *This Booklet contains 40 multiple choice questions followed by 10 short answer questions. For each MCQ, you are to record the correct option on the Answer Sheet by darkening the appropriate circle in the corresponding row of the Answer Sheet, by pen as mentioned in the guidelines given on the first page of the Answer Sheet. For answering any five short Answer Questions use five Blank pages attached at the end of this Question Booklet.*
9. For each question, darken only **one** circle on the Answer Sheet. If you darken more than one circle or darken a circle partially, the answer will be treated as incorrect.
10. *Note that the answer once filled in ink cannot be changed. If you do not wish to attempt a question, leave all the circles in the corresponding row blank (such question will be awarded zero marks).*
11. For rough work, use the inner back pages of the title cover and the blank page at the end of this Booklet.
12. **Deposit both OMR Answer Sheet and Question Booklet at the end of the Test.**
13. You are not permitted to leave the Examination Hall until the end of the Test.
14. If a candidate attempts to use any form of unfair means, he/she shall be liable to such punishment as the University may determine and impose on him/her.

Total No. of Printed Pages : 20

RET/17/TEST-B

658/Community Medicine

ROUGH WORK

रफ़ कार्य

Research Entrance Test-2017

No. of Questions : 50

प्रश्नों की संख्या : 50

Time : 2 Hours

Full Marks : 200

समय : 2 घण्टे

पूर्णाङ्क : 200

Note: (1) This Question Booklet contains **40** Multiple Choice Questions followed by **10** Short Answer Questions.

इस प्रश्न पुस्तिका में **40** वस्तुनिष्ठ व **10** लघु उत्तरीय प्रश्न हैं।

(2) Attempt as many MCQs as you can. Each MCQ carries **3 (Three)** marks. **1 (One)** mark will be deducted for each incorrect answer. **Zero** mark will be awarded for each unattempted question. If more than one alternative answers of MCQs seem to be approximate to the correct answer, choose the closest one.

अधिकाधिक वस्तुनिष्ठ प्रश्नों को हल करने का प्रयत्न करें। प्रत्येक वस्तुनिष्ठ प्रश्न **3** (तीन) अंकों का है। प्रत्येक गलत उत्तर के लिए **1** (एक) अंक काटा जायेगा। प्रत्येक अनुत्तरित प्रश्न का प्राप्तांक शून्य होगा। यदि वस्तुनिष्ठ प्रश्नों के एकाधिक वैकल्पिक उत्तर सही उत्तर के निकट प्रतीत हों, तो निकटतम सही उत्तर दें।

(3) Answer only **5** Short Answer Questions. Each question carries **16 (Sixteen)** marks and should be answered in **150-200** words. Blank **5 (Five)** pages attached with this booklet shall only be used for the purpose. Answer each question on separate page, after writing Question No.

केवल **5** (पाँच) लघुउत्तरीय प्रश्नों के उत्तर दें। प्रत्येक प्रश्न **16** (सोलह) अंकों का है तथा उनका उत्तर **150-200** शब्दों के बीच होना चाहिए इसके लिए इस पुस्तिका में लगे हुए सादे **5** (पाँच) पृष्ठों का ही उपयोग आवश्यक है। प्रत्येक प्रश्न का उत्तर एक नए पृष्ठ से, प्रश्न संख्या लिखकर शुरू करें।

- 01.** Which kidney Disease is a "Global Public Health" Problem Worldwide ?
- (1) Acute Kidney Injury (AKI)
 - (2) Kidney Stone
 - (3) Chronic Kidney Disease (CKD)
 - (4) Renal Papillary Necrosis
- 02.** Which Virus affects mainly Human Immune System ?
- (1) Hepatitis A Virus (HAV)
 - (2) Parvo Virus B19
 - (3) Cytomegla Virus (CMV)
 - (4) Human Immunodeficiency Virus (HIV)
- 03.** Which BHU Alumnus is honoured with "Bharat Ratna" ?
- | | |
|---------------------|-------------------------|
| (1) Prof.K.N.Udappa | (2) Prof.O.N.Srivastava |
| (3) Prof.C.N.R.Rao | (4) Prof.R.D.Dwivedi |
- 04.** Which of the following drug is used as "Immunosuppression" ?
- | | |
|-------------------|------------------|
| (1) Citrofloxocin | (2) Aspirin |
| (3) Ampicellin | (4) Cyclosporine |
- 05.** The Probability of a particle to cross a barrier of height more than the kinetic energy of the particle is :
- | | |
|--------------------------|---------|
| (1) zero | (2) one |
| (3) between zero and one | (4) 50% |

- 06.** Deficiency of which of the following mineral nutrients induces dental carries and mottled enamel ?
- (1) Molybdenum (2) Cobalt
(3) Fluorine (4) Iron
- 07.** Oxidation number of Iodine is highest in which compound ?
- (1) KI (2) KI₃
(3) IF₅ (4) KIO₄
- 08.** In which part of our body, antibodies are formed ?
- (1) Brain (2) Lungs
(3) Bone marrow (4) Spleen
- 09.** Which of the following sensations is not generated by impulses initiated in naked nerve endings ?
- (1) Touch (2) Pain
(3) Cold (4) Smell
- 10.** Sound cannot travel through :
- (1) Air (2) Water
(3) Fire (4) Vacuum
- 11.** Among the following the best indicator of Health in a community is :
- (1) Maternal Mortality Rate (2) Infant Mortality Rate
(3) Life Expectancy (4) Neonatal Mortality Rate

- 12.** Malathion is an :
- (1) Organo-chlorine compound
 - (2) Carbamate
 - (3) Pyrethroid
 - (4) Organo-phosphorous compound
- 13.** IMNCI differ from IMCI in all EXCEPT :
- (1) Malaria & Anemia are included
 - (2) 0-7 day Child are included
 - (3) Sick neonate are preferred over sick older child
 - (4) Treatment are aim to more than disease (condition) at a time
- 14.** The most appropriate to assess the prevalence of Tuberculosis infection in a community :
- (1) Mass Miniature Radiography
 - (2) Sputum Examination
 - (3) Tuberculin Test
 - (4) Clinical Examination
- 15.** Neonatal Tuberculosis is said to be eliminated when the rate is :
- (1) >10per 1000LB
 - (2) >1per 1000LB
 - (3) <1per 1000LB
 - (4) <0.per 1000LB
- 16.** Mass prophylaxis was given for all EXCEPT :
- (1) Lymphatic Filariasis
 - (2) Vitamin A Deficiency
 - (3) Scabies
 - (4) Worm infestation

17. All of the following statements about rheumatic fever/ heart disease epidemiology in India are true except :
- (1) Rheumatic fever occurs in about 2% of streptococcal sore throat cases
 - (2) It occurs equally in males and female
 - (3) Its prevalence varies between 5 and 7 per 1000 children aged 5-15 years
 - (4) B-Haemolytic streptococci group B is the causative agent
18. The most common cancer affecting urban women in Delhi and Mumbai is :
- (1) Cervical cancer
 - (2) Breast cancer
 - (3) Ovarian cancer
 - (4) Uterine cancer
19. Glycosylated haemoglobin (Hba 1c) is indicative of mean blood glucose levels during past :
- (1) 2-3 days
 - (2) 2-3 weeks
 - (3) 2-3 months
 - (4) 2-3 years
20. 'Tracking' of blood pressure refers too :
- (1) Recording the BP round the clock
 - (2) Graphic representation of BP
 - (3) Identifying children at risk of developing hypertension in future
 - (4) Measuring PB at every 40 years of interval since birth

21. In a clinical trial risk difference of acquiring malaria between mosquito net users and non-users is 0.4%, how many person should use mosquito nets to prevent one case of malaria ?
- (1) 500 (2) 220 (3) 250 (4) 200
22. The best study design to prove causal relationship is :
- (1) Experimental studies (2) Ecological studies
(3) Case control studies (4) Cohort Studies
23. Main drawback of calculating incidence rate of disease using hospital record :
- (1) Poor maintenance of records
(2) Subclinical cases not admitted
(3) Admission policy may differ
(4) Denominator not well defined
24. Standard error is a measure of :
- (1) Instrumental error (2) Sampling error
(3) Observer error (4) Conceptual error
25. Which is not an explanation for cyclic trend of diseases ?
- (1) Herd immunity variation (2) Environmental conditions
(3) Build up of susceptible (4) Antigenic variations
26. Population to be covered by Urban-Primary health centre is :
- (1) 50,000-60,000 (2) 80,000-90,000
(3) 1,00,000-1,20,000 (4) 1,20,000-1,50,000

27. False about Rajiv Gandhi Shramik Kalyan Yojana :
- (1) Unemployment allowance
 - (2) In effect from April 2005
 - (3) For those rendered voluntarily unemployed
 - (4) Employees contributed under scheme ≥ 5 years
28. Which among the following does not belong to Category A of bio-terrorism agents ?
- (1) Brucellosis
 - (2) Botulism
 - (3) Plague
 - (4) Tularemia
29. Cut off for high glycaemic index (GI) is :
- (1) 50 or more
 - (2) 70 or more
 - (3) 90 or more
 - (4) 110 or more
30. Percentage of ultraviolet rays filtered by black skin is upto :
- (1) 65%
 - (2) 75%
 - (3) 85%
 - (4) 95%
31. Fat content of soyabean is :
- (1) 5%
 - (2) 10%
 - (3) 15%
 - (4) 20%
32. If a child presents with protein energy malnutrition showing signs of loss of subcutaneous fat and weight reductions. The level of prevention suggested at this point is :
- (1) Health promotion
 - (2) Specific protection
 - (3) Early diagnosis and prompt treatment
 - (4) Disability limitation & rehabilitation

- 33.** In a negative skewed deviation, true statement is :
- (1) Mean is greater than the median
 - (2) Mean is equal to mode
 - (3) Mean is less than the median
 - (4) Mode is less than the median
- 34.** All are morbidity indicator except :
- (1) period of stay in hospital
 - (2) Doctor: population ratio
 - (3) attendance of outpatient department
 - (4) Notification rates
- 35.** Case control study is used to study :
- (1) Common diseases
 - (2) Uncommon disease
 - (3) Rare diseases
 - (4) Unknown diseases
- 36.** Which of the following is not a Health promotion measure of improvement of genetic endowment of community ?
- (1) Positive eugenics
 - (2) Euthenics
 - (3) Lowering of consanguineous marriages
 - (4) Amniocentesis
- 37.** All are incinerated except :
- (1) Chemical waste
 - (2) Soiled waste
 - (3) Animal carcasses
 - (4) Broken thermometers
- 38.** Food and Agriculture Organization has its headquarters at :
- (1) Geneva
 - (2) Rome
 - (3) New Delhi
 - (4) Washington DC

39. RCA latrine was designed and constructed by :

- | | |
|-----------------------|----------------------------|
| (1) Ford foundation | (2) Rockefeller foundation |
| (3) sulabh souchalaya | (4) Indian Red Cross |

40. Under Indian Factories Act, total no. of working hours should not exceed hours :

- | | | | |
|---------|--------|--------|--------|
| (1) 100 | (2) 70 | (3) 60 | (4) 50 |
|---------|--------|--------|--------|

Short Answer Questions

Note: Attempt any **five** questions. Write answer in **150-200** words. Each question carries **16** marks. Answer each question on separate page, after writing Question Number.

01. Multidrug Resistance Tuberculosis
02. Enumerate health programs for Adolescent girls
03. Emergency obstetric care.
04. Malariometric measures.
05. Cluster Sampling technique
06. Continuum of care in MCH
07. Road Map for Open air defecation free India
08. Sample Registration System
09. Social Behaviour Change-Communication
10. Swachcha Bharat Abhiyan

Question No.

Page for Short Answer

Question No.

Page for Short Answer

Question No.

Page for Short Answer

Question No.

Page for Short Answer

Question No.

Page for Short Answer

Question No.

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ROUGH WORK
रफ़ कार्य

अभ्यर्थियों के लिए निर्देश

(इस पुस्तिका के प्रथम आवरण पृष्ठ पर तथा उत्तर-पत्र के दोनों पृष्ठों पर केवल नीली-काली बाल-प्वाइंट पेन से ही लिखें)

1. प्रश्न पुस्तिका मिलने के 30 मिनट के अन्दर ही देख लें कि प्रश्नपत्र में सभी पृष्ठ मौजूद हैं और कोई प्रश्न छूटा नहीं है। पुस्तिका दोषयुक्त पाये जाने पर इसकी सूचना तत्काल कक्ष-निरीक्षक को देकर सम्पूर्ण प्रश्नपत्र की दूसरी पुस्तिका प्राप्त कर लें।
2. परीक्षा भवन में लिफाफा रहित प्रवेश-पत्र के अतिरिक्त, लिखा या सादा कोई भी खुला कागज साथ में न लायें।
3. उत्तर-पत्र अलग से दिया गया है। इसे न तो मोड़ें और न ही विकृत करें। दूसरा उत्तर-पत्र नहीं दिया जायेगा। केवल उत्तर-पत्र का ही मूल्यांकन किया जायेगा।
4. अपना अनुक्रमांक तथा उत्तर-पत्र का क्रमांक प्रथम आवरण-पृष्ठ पर पेन से निर्धारित स्थान पर लिखें।
5. उत्तर-पत्र के प्रथम पृष्ठ पर पेन से अपना अनुक्रमांक निर्धारित स्थान पर लिखें तथा नीचे दिये वृत्तों को गाढ़ा कर दें। जहाँ-जहाँ आवश्यक हो वहाँ प्रश्न-पुस्तिका का क्रमांक तथा सेट का नम्बर उचित स्थानों पर लिखें।
6. ओ० एम० आर० पत्र पर अनुक्रमांक संख्या, प्रश्नपुस्तिका संख्या व सेट संख्या (यदि कोई हो) तथा प्रश्नपुस्तिका पर अनुक्रमांक और ओ० एम० आर० पत्र संख्या की प्रविष्टियों में उपरिलेखन की अनुमति नहीं है।
7. उपर्युक्त प्रविष्टियों में कोई भी परिवर्तन कक्ष निरीक्षक द्वारा प्रमाणित होना चाहिये अन्यथा यह एक अनुचित साधन का प्रयोग माना जायेगा।
8. प्रश्न-पुस्तिका में प्रत्येक प्रश्न के चार वैकल्पिक उत्तर दिये गये हैं। प्रत्येक प्रश्न के वैकल्पिक उत्तर के लिए आपको उत्तर-पत्र की सम्बन्धित पंक्ति के सामने दिये गये वृत्त को उत्तर-पत्र के प्रथम पृष्ठ पर दिये गये निर्देशों के अनुसार पेन से गाढ़ा करना है।
9. प्रत्येक प्रश्न के उत्तर के लिए केवल एक ही वृत्त को गाढ़ा करें। एक से अधिक वृत्तों को गाढ़ा करने पर अथवा एक वृत्त को अपूर्ण भरने पर वह उत्तर गलत माना जायेगा।
10. ध्यान दें कि एक बार स्याही द्वारा अंकित उत्तर बदला नहीं जा सकता है। यदि आप किसी प्रश्न का उत्तर नहीं देना चाहते हैं, तो संबंधित पंक्ति के सामने दिये गये सभी वृत्तों को खाली छोड़ दें। ऐसे प्रश्नों पर शून्य अंक दिये जायेंगे।
11. रफ कार्य के लिए प्रश्न-पुस्तिका के मुखपृष्ठ के अंदर वाला पृष्ठ तथा उत्तर-पुस्तिका के अंतिम पृष्ठ का प्रयोग करें।
12. परीक्षा के उपरान्त केवल ओ एम आर उत्तर-पत्र परीक्षा भवन में जमा कर दें।
13. परीक्षा समाप्त होने से पहले परीक्षा भवन से बाहर जाने की अनुमति नहीं होगी।
14. यदि कोई अभ्यर्थी परीक्षा में अनुचित साधनों का प्रयोग करता है, तो वह विश्वविद्यालय द्वारा निर्धारित दंड का/की, भागी होगा/होगी।