

| Dewatering pump operator | | | | | | | | | |
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| S r N o | NOS Cod e | P C Code | MIN/Q0411 - Question bank | Option A | Optio n B | Option C | Option D | Answe r | Difficul ty level E/M/H |
| 1 | Min e/N 043 5 ,36 &09 01 | PC1 TO PC7 | . 1- What safety apparatus to be used by the pump operator in pumping station. | A | B | C | D | D | M |
| | | | A-a) Cap lamp b) self rescuer c) fire extinguisher d) flame safety lamp –Ans- d | | | | | | |
| 2 | | | Q 2 While going U/G which rout he has to fallow. a) Haulage road ways b) conveyor road ways c) return road ways d) travelling road ways. ANS-d | A | B | C | D | D | E |
| 3 | | | Q3 –In degree 2&3 gassy mine what apparatus is to be carried with? a) Vello meter b) Multi meter c) tong tester d) self rescuer Ans d | A | B | C | D | D | H |
| 4 | | | Q 4 While inspecting running pump which types of cloth to wear? a) Tight shirt b) loose shirt c) Gamchha – Ans –a | A | B | C | D | A | M |
| 5 | | | Q-5 Pump not delivering water. a) Wrong rotation b) suction pipe leakage c) football leakage d) all three Ans d | A | B | C | D | D | M |
| 6 | | | Q 6 What will you do if the pump does not prime? a) See delivery sluice valve b) non return valve c) bye pass valve d) suction gland packing. Ans- d | A | B | C | D | | |
| 7 | | | Q 7 Before pump starting what to be checked, a) Suction b) delivery c) sluice valve d) Pump inspection for any crack or abnormality. Ans- d | A | B | C | D | D | M |
| 8 | | | Q 8-If Pump does not start. a) Inform fitter b) will not call any one c) inform engineer d) leave the pump unattended. Ans- a | A | B | C | D | A | H |
| 9 | | | Q-9 If Pump over loaded. a) Shaft broken b) Amp meter malfunction c hydraulic balancing disturbed d)non of above Ans c | A | B | C | D | C | H |
| 1 0 | | | Q 10 How will you perform duty on pump. a) Switch off pump b) leave pump station c) close monitoring d) sleeping Ans c | A | B | C | D | C | E |
| 1 1 | | | Q -11 what will you do in emergency condition in case of stoppage of ventilator fan. a) sit in intake b) will leave mine c) inform Mate d) Stop pump Ans a | A | B | C | D | A | M |

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| 1 2 | | Q 12 If the safety lamp stops working. a) leave the mine b) inform mate c) you will find the reason Ans b. | A | B | C | D | B | M |
| 1 4 | | Q 14 If pumps showing more load and not delivering water. a) Suction chocked b) non return valve out of order c) delivery line broken d) wrong rotation Ans c | A | B | C | D | C | H |
| 1 5 | | Q 15 Pump not delivering water. a) Suction leakage b) delivery leakage c) Head more than the designed. D) Non of above Ans c | A | B | C | D | C | H |
| 1 6 | | Q 16 If everything Ok but not delivering water. a) Delivery leakage b) wrong direction of rotation c) delivery leaking d) non return valve not working Ans b | A | B | C | D | B | H |
| 1 7 | | Q 17 If suction side shaft breaks. a) Misalignment b) suction chocked. c) Bearing dry d) non of above Ans a | A | B | C | D | A | H |
| 1 8 | | Q 18- Every things OK but delivers less water a) meter not working b) suction side 1 st impellor chocked c) pump not primed d) non of above, Ans b | A | B | C | D | B | H |
| 1 9 | | Q 19 Everything OK but not sucking water. a) Suction head more than 4 meters b) sluice valve not working. c) Wrong pump rotation Ans a | A | B | C | D | A | H |
| 2 0 | | Q 20 Moving coupling should be guarded. a) to get fresh air b) to protect from injury due to breakage of bolts c) non of above Ans b | A | B | C | D | B | M |
| 2 1 | | Q 21 Ventilation on pump and on switch gear is done for a) to have sound sleep on Pump b) to maximize the cooling of pump unit C) non of above Ans b | A | B | C | D | B | M |
| 2 2 | | Q 22 Water hammering occurs due to a) Breakage of non return valve b) due to sudden stoppage of pump c) non of above Ans b | A | B | C | D | B | M |
| 2 3 | | Q 23 Heavy HT < pumps run on a) Floor level b) on wooden slippers c) on concrete foundation with holding bolts . Ans c | A | B | C | D | C | E |
| 2 4 | | Q 24 Duties of pump operator is a) To pass the duty time b) to monitor continuously the pumping operation C) non of above A-b | A | B | C | D | B | E |
| 2 5 | | Q 25 Suction in underground is hanged on roof because a) Protect it from leakage b) to prevent from choking c) protect from breakage Ans b. | A | B | C | D | B | M |
| 2 6 | | Q 26 In multistage pump over flow/bye pass water is for. a) Hydraulic balance water b) for cooling suction gland c) for cooling coupling Ans. A | A | B | C | D | A | H |
| 2 7 | | b Q 27 If a pump of 100 Mtr head, 1000 GPM discharge, 200 X 150, requires to pump the water at 70 meter head, and 500 GPM. What changes will be made? a) Replace the pump b) Replace suction by 150 mm c) remove the impellor d) non Ans-B | A | B | C | D | B | H |

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| 28 | | Q 28 How will you prime high head high discharge pump. a) Pouring water in stages by bucket b) open the delivery and fill water c) by over flow pipe d) by inter couple delivery of other pump Ans. D | A | B | C | D | D | H |
| 29 | | Q 29 What is the use of non return valve bye pass arrangement. a) to prime pump b) to fill water in sump c) to cool down pump d) to cool glands Ans a | A | B | C | D | A | M |
| 30 | | Q 30 Sequence fitting of non return & sluice valve. a) Non return valve than sluice valve b) sluice valve than NRV c) both NRV Ans. B. | A | B | C | D | B | H |
| 31 | | Q 31 What is the use of sluice valve in pump? a) To regulate the flow in delivery on no load b) for priming in pump c) non Ans a&b | A | B | C | D | A&B | M |
| 32 | | Q 32 What is the use of non return valve with bye pass arrangement in delivery. a) It allows the water to flow b) prevents water hammering c) for priming pump d) non Ans b&c | A | B | C | D | B&C | H |
| 33 | | Q 33 What is the use of sluice valve in pump? a) To regulate the flow in delivery on no load b) for priming in pump c) non Ans a&b | A | B | C | D | A&B | M |
| 34 | | Q 34 What is the use of non return valve with bye pass arrangement in delivery. a) It allows the water to flow b) prevents water hammering c) for priming pump d) non Ans b&c | A | B | C | D | B&C | H |
| 35 | | Q 35 How should be Housekeeping of pumping station? a) Spread oil grease in and nearby pump b) grease should be spread over entire pump c) pump should be free from oil and grease d) non Ans c | A | B | C | D | C | E |
| 36 | | Q 36 Safety devices against fire. In pump station. a) Sand pit b) fire bucket c) fire extinghsuser d) stone dust sparing. Ans. All | A | B | C | D | ALL | M |
| 37 | | Q 37 purpose of lighting in pump station. a) for sitting and reading novel b) to observe the activities in equipments c) to lie down on sleeper in light. D) Non of above Ans b | A | B | C | D | B | M |
| 38 | | Q38 If smoke or fire observe in cable and switch? a) Let the pump run continuously. b) stop the pump immediately and contact CDS system to sand mate and electrician c) you will take your own decision d) non Ans b. | A | B | C | D | B | H |
| 39 | | Q 39 Maintenance procedure of pump. a) You will self start doing b) call the fitter c) switch off its control switch d) non | A | B | C | D | B | M |
| 40 | | Q 40 Which gas is found in pump sump? a) Methane b) SO2 c) H2S d) black damp Ans d | A | B | C | D | D | H |
| 41 | | Q41 Effect of black dam gas on safety lamp kept near pump suction? a) Lamp will ignite more b) lamp will dim c) lamp will quench d) non of above Ans c | A | B | C | D | C | H |

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| 4 2 | | Q 42 If sudden power fails? a) You will go away b) will wait for some time c) will contact CDS, Engineer and report power failure. d) Close sluice valve soon after power failure And c&d | A | B | C | D | C&D | H |
| 4 3 | | Q 43 If safety lamp quenches kept at the sump what will you do? a) You will bring back safety lamp b) inform mate to bring another lamp and to inspect the place c) you your self will find the reason. D none of above Ans b | A | B | C | D | A | M |
| 4 4 | | Q 44 Which dangerous gas is found at sump? a) Black damp b) methane c SO2 d) H2S Ans a | A | B | C | D | A | M |
| 4 5 | | Q 45 Why sleeping is restricted on duty. a) Roof fall mat occur b) pump may stop c) may come in contact with gas d) non of above Ans c | A | B | C | D | C | H |
| 4 6 | | Q 46 Why starter should be placed away from pump and in light? a) Water may enter due to leakage b) for clear visibility of Amp. Meter reading. C) To protect from elect. Shock d) none of above Ans a | A | B | C | D | A | M |
| 4 7 | | Q 47 What will you do at the end of shift if pump is on continues operation/ a) Stop the pump and leave the place b) hand over the pump in charge c) report to CDS operator for increase or decrease of water level. d) Report to fitter, Ans b&c | A | B | C | D | B&C | M |
| 4 8 | | Q 48 What safety precautions to be taken while riding over Panton? a) Wear life saving jacket. B) Wear shoe C) wear hand gloves. D) Non of above AnS a | A | B | C | D | A | E |
| 4 9 | | Q 49 Why pontoon is fenced at 3 sides? a) to protect the person to fall down in sump b) protection of equipment c)non of above. Ans a&b. | A | B | C | D | A&B | |
| 5 0 | | Q50 Why it is restricted for the person other than operator to ride. a) It may imbalance and person may fall down b) there is no such danger c) none of above Ans a. | A | B | C | D | A | M |
| 5 1 | | Q 51 Why pontoon is anchored? a) so that it will not shift from one place to another b) chances of drowning c) non of above Ans a. | A | B | C | D | A | M |
| 5 2 | | Q 52 What type of cable is used in pontoon? a) Armored cable b) PVC cable c) flexible cable 4 core. D) None of above. Ans c. | A | B | C | D | C | M |
| 5 3 | | Q53 which lighting to be used on pontoon? a) Sodium vapors lamp b) ordinary bulb c) LED lighting of higher wattage. D) Non of above Ans c&a | A | B | C | D | C&A | E |
| 5 4 | | Q 54Communication system on Panton? a) Wakitaki b) telephone c) mobile d) none of above Ans a | A | B | C | D | A | E |
| 5 5 | | Q 55 How to rescue operator in case of emergency? a) by swimming b) bye sanding stand bye pontoon. C) By sanding rope Ans b. | A | B | C | D | B | M |

